



09 | 2023

## PRODUCT CATALOGUE



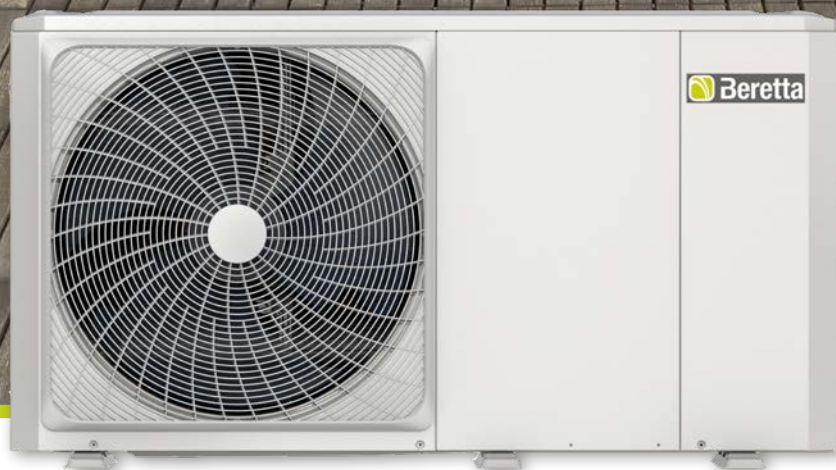
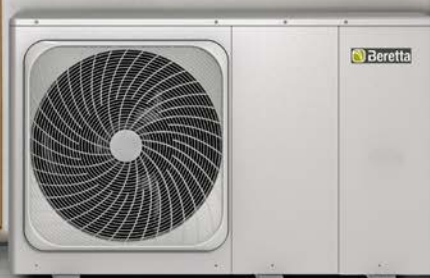
INTERNATIONAL

A Carrier Company

 **Beretta**

# HYDRO UNIT M

## BERETTA'S AIR TO WATER HEAT PUMP WITH LOW ENERGY CONSUMPTION



The HYDRO UNIT M range of heat pumps is an ideal solution for heating, cooling and production of domestic hot water, and is available in ten different models with power capacity from 4 kW to 16 kW. Equipped with Twin Rotary compressor DC-Inverter technology, they operate in a temperature range from -25°C to +43°C and can achieve high leaving water temperature up to 65°C. Advanced Remote Control as standard allows them to be combined with a Beretta boiler for greater comfort in domestic hot water and heating applications.



HIGH  
EFFICIENCY



LOW NOISE  
OPERATIONS



R32  
REFRIGERANT GAS



ANTI-FROST  
FUNCTION



GREATER  
SUSTAINABILITY



HP KEYMARK  
CERTIFICATION



The experts in residential heating for  
over fifty years.  
Excellence and innovation for the  
comfort of millions of homes,  
in Italy and in the world.

# BERETTA TODAY

## BERETTA

The Specialists in residential heating for over fifty years: excellence and innovation, for the comfort within millions of homes. Today Beretta confirms its growing trend in the residential heating and faces new challenges with the same enthusiasm and the same commitment of the beginnings. Because the excellence in the products and in the supplied services remain Beretta's key values.

## EXCELLENCE

The great expertise gained over the years in the field of residential heating has made of Beretta one of the reference brands of its sector. Today, as in the beginnings, the pursuit of excellence in every activity and, more specifically, the constant attention to product and services represent Beretta core values.

## RESIDENTIAL HEATING

Specialist in residential heating systems: this is the product mission. Beretta anticipates changes without compromising its vocation as reference brand in this sector. A targeted expertise, honed and sustained on the front of a 360° investment. In this way, the Company responds to the different plant engineering needs, thanks to the know-how gained in over fifty years of experience in the sector, and is constantly committed to expanding its offer of products and services. New technologies and new solutions that can integrate, in a highly efficient way, different energy sources, giving priority to renewable energy.

## EFFICIENCY

With a strong focus on residential heating, Beretta product portfolio concentrates increasingly on solutions that enhance energy efficiency through the intelligent integration of different energy sources.

## TECHNOLOGY

Beretta has always shown an exceptional ability to foresee change and respond to the resulting evolutions in demand. Two examples of many past cases: Beretta was the first Italian company to produce a wall-hung gas boiler and - with the IDRA METEO model, the first to produce a wall-hung boiler specifically designed for outdoor installation. A commitment to innovation which today increasingly takes an environmental slant, with a view to excellence and cutting-edge technology. Beretta solutions target improved energy efficiency and the reduction of emissions, both for the sustainability of the environment and to ensure all the comfort that millions of consumers are accustomed to demanding and receiving from Beretta products

## TERRITORY

Beretta customer-centred approach translates into a network of specialists: proximity, expertise, flexibility are Beretta key values. Beretta, after over fifty years since the production of its first wall-hung gas boiler, is nowadays a worldwide known brand in the field of home heating solutions, synonymous with technology and quality. Our products are sold through Subsidiaries, Sales Partners and OEM Customers in over 30 countries.

## ATTENTION TO ENVIRONMENT

Beretta commitment is concrete and aims at an increasingly sustainable future. For years, Beretta has been totally committed to a system logic which combines the intelligent use of several sustainable and renewable energy sources, in perfect harmony with the environment around us, for the home comfort of millions of consumers who use Beretta products every day.



**BERETTA, AFTER OVER FIFTY YEARS SINCE THE PRODUCTION OF ITS FIRST WALL-HUNG GAS BOILER, IS NOWADAYS A WORLDWIDE KNOWN BRAND IN THE FIELD OF HOME HEATING, SYNONYMOUS WITH TECHNOLOGY AND QUALITY.**



## CONSOLIDATED **KNOW-HOW** AT YOUR SERVICE



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### **AFTER-SALES SERVICE**

BERETTA PUTS A GREAT DEAL OF EMPHASIS ON AFTER-SALES SERVICE, WITH A CENTRAL TECHNICAL SERVICE TEAM COMMITTED TO SUPPORTING OUR SUBSIDIARIES AND SALES PARTNERS WORLDWIDE TO PROVIDE LOCALLY A QUALIFIED SERVICE.

### **PRE-SALES SERVICE**

THE BERETTA PRE-SALES SERVICE TEAM, THANKS TO THE CONSOLIDATED KNOW-HOW, GIVES ADVICE ON THE WHOLE PORTFOLIO OF PRODUCTS TO OUR SALES PARTNERS AND SUBSIDIARIES IN THE WORLD, IN ORDER THEY CAN LOCALLY SUPPORT ENGINEERS, ARCHITECTS, SPECIFIERS AND DEVELOPERS IN CHOOSING THE BEST SOLUTION FOR EVERY PROJECT.



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### **TECHNICAL TRAINING**

ALL BERETTA SALES PARTNERS AND SUBSIDIARIES IN THE WORLD ORGANIZE LOCALLY TECHNICAL TRAINING COURSES, FOCUSING ON THE NEED OF THE INSTALLER AND ENGINEER TO BECOME FAMILIAR WITH BERETTA PRODUCTS AND TO ENABLE QUICK AND SIMPLE INSTALLATION OR REPAIR. OUR TECHNICAL TRAINING IS STRUCTURED TO ENSURE YOU COVER: THE APPLIANCE RANGE, INSTALLATION, OPERATION, WIRING, FLUEING, BENCHMARK, FAULT FINDING AND COMMISSIONING.



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### **ORIGINAL SPARE-PARTS AND ACCESSORIES**

FOR YOUR COMPLETE PEACE OF MIND, THE BERETTA ORIGINAL SPARE PARTS AND ACCESSORIES ARE AVAILABLE AT ANY OF OUR SALES PARTNERS AND SUBSIDIARIES ALL OVER THE WORLD.

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# ADVANCED TRAINING CENTRE



A TRAINING ROOM WITH BERETTA **RESIDENTIAL** PRODUCTS, WITH TRAINING BENCHES AND OPERATING PRODUCTS.



A TRAINING ROOM WITH BERETTA **SYSTEMS** PRODUCTS, WITH TRAINING BENCHES AND OPERATING PRODUCTS FOR THE PLANT ROOM.



## MULTIMEDIA INSTRUMENTS

WHICH ALLOW TO TAKE TRAINING COURSES VIA WEB.

In recent years, the Heating and Plumbing sector has been facing great changes and new challenges that have involved all the players operating in this field. European Directives and the new technical standards have led to the introduction of new working and administrative practices.

Meanwhile, an increasingly specialised

market, with the growing need of new qualifications and new hot and cold system solutions, makes a continuous training process more and more necessary. For all these reasons, Beretta has deemed it important to widen its training offer at Beretta ATENELO Centre in Lecco (Milan area), its advanced Training Centre, fitted with

state-of-the-art technologies.

A computerised system allows **interactive presentations** with operating products, while simulating specific applications. Inside the building there are two training rooms, each of them complete with laboratories, dedicated to **Residential and Systems** applications.



### RESIDENTIAL TRAINING ROOM

Room dedicated to specific activities with products of less than 35 kW power.



### SYSTEMS TRAINING ROOM

Room set up with High Power products in cascade and simulation of hot and cold system operation.

» **OVER 400 SQ.M**  
DEDICATED  
TO SPECIALISED  
TRAINING

HIGHLIGHTS

# EXCLUSIVE X

## TECHNOLOGY FOR A GREEN LIFESTYLE



EXCLUSIVE X won the Archiproducts Design Awards 2021, obtaining appreciation for the project concept and its design, and the “2021 Special Mention for sustainability”.

EXCLUSIVE X is the new generation Beretta boiler, designed for those who are looking for green solutions. With performance and comfort at the top of its category, EXCLUSIVE X can be directly integrated into multi-energy systems, ensuring maximum energy savings, and is ready to process blends of up to 20% hydrogen with natural gas, in line with European environmental sustainability objectives.



FOR A SUSTAINABLE FUTURE



SYSTEM  
DISPLAY



STAINLESS STEEL  
HEAT EXCHANGER



HYBRID  
READY



QUICK AND  
STABLE  
HOT WATER



FRONTAL ACCESS  
TO COMPONENTS



QUICK  
INSTALLATION



UNIVERSAL  
INSTALLATION

# MYNUTE X

## STAINLESS STEEL HEART, BERETTA TECHNOLOGY



MYNUTE X, THE RANGE OF CONDENSING BOILERS WITH MANY INNOVATIVE FEATURES AND ADVANTAGES.

From the primary heat exchanger in stainless steel to the modern electronic interface, there are many new elements that distinguish MYNUTE X within the Beretta range.

This condensing range, with its 5 models from 20 to 35 kW, with "combi" and "heating only" versions, can meet to all residential comfort needs. High efficiency, low consumption and ease of installation

make MYNUTE X the winning choice, both for new homes and for the replacement market.

With MYNUTE X, the new features of the project blend with Beretta's tradition of excellence, gained over more than half a century of experience in the home comfort sector. Its aesthetics, in line with the Beretta style of the latest generation of products, can be easily integrated into any living context, thanks also to its compactness and flexibility of installation.



NEW DIGITAL  
INTERFACE



FRONTAL ACCESS  
TO COMPONENTS



STAINLESS STEEL  
HEAT EXCHANGER



UNIVERSAL  
INSTALLATION



HIGH  
EFFICIENCY



EASY AND QUICK  
INSTALLATION



LOW NOX  
COMPLIANT  
6 CLASS

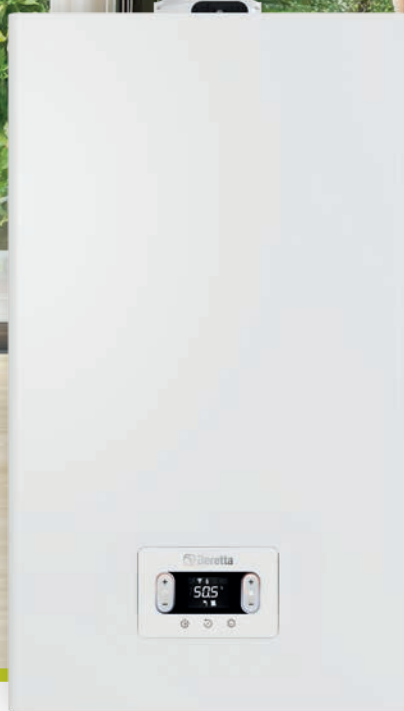


HYBRID  
READY

HIGHLIGHTS

# CIAO X

## THE COMFORT YOU DESERVE



CIAO X is the new range of Beretta condensing boilers that expertly combines technology and respect for the environment, to offer you the comfort you desire. Touchscreen interface, stainless steel core, easy use and installation make CIAO X the perfect choice both for new buildings and replacement.



FOR A  
SUSTAINABLE  
FUTURE



NEW DIGITAL  
TOUCHPAD INTERFACE



HIGH  
EFFICIENCY



QUICK AND STABLE  
HOT WATER



STAINLESS STEEL  
HEAT EXCHANGER



COMPACT  
DESIGN



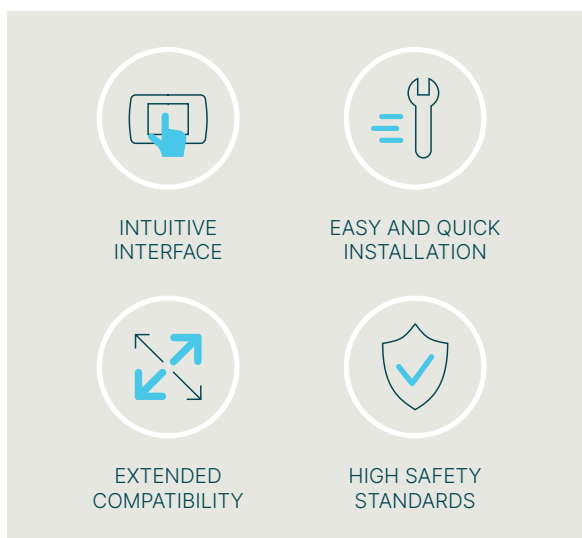
LOW NOISE  
OPERATION

# Hi, Comfort

## COMFORT AT YOUR FINGERTIPS

Today, with HI, COMFORT, the new solution platform IoT from Beretta, managing comfort has never been easier.

HI, COMFORT T100 can be used as a traditional thermostat or in smart mode, through the new HI, COMFORT App, if combined with the new Wi-Fi Box HI, COMFORT G100-W. The new app is free download for Android and iOS systems and allows to monitor the stages, remotely set the hot water temperature and define the boiler settings in a simple and safe way. Also, install HI, COMFORT T100 is quick and easy and in case of replacing an old one thermostat, the new thermostat does not require any intervention on the electrical system of the house. HI, COMFORT T100, battery powered, it also allows "wireless" installation, if the system is equipped with a radio frequency receiver.



### HI, COMFORT K100

In addition to HI, COMFORT T100 the new smart key will soon be available HI, COMFORT K100, also connected to the app HI, COMFORT, which, directly connected to the boiler, allows you to make it "smart" without requiring replacement of the thermostat.



### HI, COMFORT T100

- Complete control with backlit display for the home comfort management even remotely with
- Smartphone and Tablet
- Modern and simple to use APP, with innovative functions
- Remote control of Beretta boilers in advanced mode and all boilers in ON / OFF mode
- Versatile communication: ON / OFF and OTBus both Wired and Wireless



THE HI, COMFORT PLATFORM  
THAT INTEGRATES  
BERETTA BOILERS LATEST  
GENERATION, INTELLIGENT  
THERMOSTATS AND APP, THIS  
IS THE BEGINNING OF A NEW  
GENERATION OF COMFORT.



[hi-comfort.com](http://hi-comfort.com)

# POWER EVO-X

NEW

## THE NEW MODULAR AND COMPACT SOLUTION FROM BERETTA

**POWER EVO-X is Beretta's new wall-mounted condensing boiler that is the ideal solution for replacing old generators in small central heating systems.**

Installation flexibility is the distinguishing feature of this product, which can be installed in single or cascade configuration up to 280 kW power.

### TECHNOLOGY AND BENEFITS

- › New combustion with high-performance stainless steel condenser exchanger, synonymous with high efficiency and energy saving
- › Maximum application flexibility: each model can be installed either in a stand-alone configuration or in cascade up to 4 modules (linear or back-to-back). A total of 28 different configurations can be realised to meet the most diverse installation requirements
- › Suitable for heating and, in combination with other components, for the production of domestic hot water in small residential or commercial buildings, gyms, industrial warehouses, etc.
- › Can be combined with solar thermal
- › Wide flame modulation range (up to 1:8 in single configuration; up to 1:32 in cascade configuration), which allows gas consumption to be adjusted to the actual demand of the user, resulting in reduced consumption



FOR A  
SUSTAINABLE  
FUTURE



STAINLESS STEEL  
PATENTED HEAT  
EXCHANGER



ENERGY  
SAVING



WIDE RANGE OF  
ACCESSORIES



STAND ALONE  
APPLICATION



LINEAR  
CASCADE  
APPLICATIONS



BACK-TO BACK  
CASCADE  
APPLICATIONS

# POWER MAX BOX

## BERETTA **MODULAR** SOLUTION FOR CENTRAL HEATING SYSTEM, **NOW UP TO 1300 KW**

### APPLICATION FLEXIBILITY

**POWER MAX BOX stands out for the modularity and flexibility of the solutions it allows to implement, a plus that is increasingly appreciated also in the central heating system.**

The 10 models that make up the POWER MAX BOX range, all usable in single configuration, cover an output range from 114 to 524 kW. The models of this range can also be combined in linear cascade, reaching a maximum

output of 1300 kW.

Adding up the single configurations to those in cascade, the POWER MAX BOX range allows to create 16 configurations, which, with the use of specific accessory kits, can total dozens of different types of applications (water-tight chamber, for outdoor use, with plate heat exchanger or separator, etc.), responding to the most varied system requirements.



DIGITAL  
ELECTRONIC  
CONTROL



STAINLESS STEEL  
PATENTED HEAT  
EXCHANGER



LOW NOX  
COMPLIANT  
6 CLASS



WIDE RANGE OF  
ACCESSORIES



STAND ALONE  
APPLICATION



LINEAR  
CASCADE  
APPLICATIONS

# EXCLUSIVE AGILE

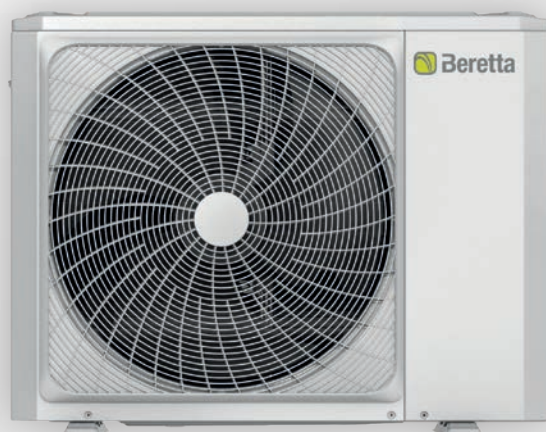
NEW

## THE NEW AIR-TO-WATER WALL-HUNG SPLIT HEAT PUMP WITH R32 REFRIGERANT

**EXCLUSIVE AGILE split heat pumps are designed to provide heating, cooling and domestic hot water.**

With a range of ten power sizes, they offer a wide choice of single-phase models from 4 to 16 kW and three-phase models from 12 to 16 kW. Thanks to the compressor featuring DC Inverter technology, they offer a heating temperature of up to 65°C. On-board control as standard allows easy management of the various functions. They are designed to be additionally used within a hybrid system, in combination with a gas heating source.

The new EXCLUSIVE AGILE range uses the refrigerant gas R32, which has a low environmental impact, in line with European targets to reduce emissions of CO<sub>2</sub>.



COMFORT FOR  
ALL SEASONS



HIGH  
EFFICIENCY



LOW NOISE  
OPERATION



COMPACT  
DIMENSIONS



R32 REFRIGERANT  
GAS



WIDE  
RANGE



HYBRID  
READY

# BREVA

## COMFORT IN SUMMER AND WINTER FOR YOUR HOME

**BREVA, the range of air-to-air heat pumps with R32 refrigerant, consists of four power sizes in versions mono and/or multisplit for summer and winter air conditioning of residential environments.**

In addition to high efficiency and room temperature stability, BREVA offers a continuous air cleaning action, operated through antibacterial and photocatalytic filters, for a healthier environment. Thanks to the DRY dehumidification function, BREVA is able to maintain optimum humidity values. Inverter technology, with which the range is equipped, allows the power absorbed by the air conditioner to be adapted continuously, reducing or increasing it according to the needs of the environment, providing a constant temperature and helping to reduce electricity consumption. BREVA uses the R32 refrigerant gas, with low environmental impact, offering many performance advantages and enabling the units to achieve up to A++ efficiency class, with low running costs.



HEALTH  
AIRFLOW



DISPLAY  
LED



AIR  
FILTRATION



SUPER  
SILENT



NIGHT  
FUNCTION



LOW ENVIRONMENTAL  
IMPACT

INDEX





# INDEX



## INTRODUCTION 1

## HYBRID SYSTEMS 18

### HYBRID SYSTEMS WITH MONOBLOC HEAT PUMP 20

<b>WALL HUNG SOLUTION</b>	<b>20</b>
Wall Hybrid System.....	20
Monobloc wall-hung hybrid system MAX .....	39

>> NEW

### HYBRID SYSTEMS WITH SPLIT HEAT PUMP 51

<b>WALL-HUNG SOLUTIONS</b>	<b>51</b>
RES B COMBI wall-hung split hybrid system .....	51
RES B HEATING-ONLY wall-hung split hybrid system .....	59

## HEAT PUMPS 68

### HEAT PUMPS 70

<b>AIR TO WATER - MONOBLOC</b>	<b>70</b>
Hydro Unit M 004÷016 .....	70
Hydro Unit M 018÷030T .....	74

<b>AIR TO WATER - SPLIT</b>	<b>76</b>
Exclusive Agile .....	76

>> NEW

## WALL HUNG BOILERS 80

### CONDENSING WALL-HUNG BOILERS 86

<b>INDOOR</b>	<b>86</b>
Exclusive X.....	86
Exclusive Boiler Green He .....	89
Mynute X .....	91
Mynute Boiler Green .....	93
Ciao X.....	95
Meteo X.....	98

>> NEW

### STANDARD-EFFICIENCY WALL-HUNG BOILERS 102

<b>INDOOR</b>	<b>104</b>
Exclusive Mix .....	104
Mynute Lx - Mynute S.....	106
Ciao S .....	109
City.....	111
Quadra II Lx - Quadra II.....	113
Ciao Lx - Ciao.....	115
Ciao.....	117

### SYSTEM COMPLEMENTARY ITEMS 119

<b>IDARULIC DISTRIBUTION MODULES</b>	<b>119</b>
Connect Hybrid.....	119
Connect.....	121

### FLUE OPTION SYSTEMS 128

<b>FOR CONDENSING</b>	<b>128</b>
Flue Option for Condensing .....	128

<b>FOR STANDARD-EFFICIENCY</b>	<b>139</b>
Flue Option for Standard-Efficiency .....	139

## WATER-HEATERS 146

### LOW NOX INSTANTANEOUS - GAS 148

<b>CONVENTIONAL FLUE</b>	<b>148</b>
Fonte Lx .....	148

<b>ROOM SEALED</b>	<b>149</b>
Idrabagno Lx .....	149

### FLUE OPTION SYSTEMS 150

<b>STANDARD EFFICIENCY</b>	<b>150</b>
Flue Option for Standard Efficiency .....	150

## SOLAR THERMAL AND CYLINDERS 156

### SOLAR SYSTEMS 158

<b>FORCED CIRCULATION</b>	<b>158</b>
SCF-25/4B A system.....	158
SCF-20/4B A system.....	162

>> NEW  
>> NEW

<b>NATURAL CIRCULATION</b>	<b>167</b>
NB-SOL-A system .....	167

>> NEW

### SOLAR COLLECTORS 171

<b>FLAT PLATE</b>	<b>171</b>
SCF-25/4B A.....	171
SCF-20/4B A.....	175

>> NEW  
>> NEW

### SOLAR DHW AND STORAGE CYLINDERS 179

<b>DOUBLE COILS DHW CYLINDERS</b>	<b>179</b>
IDRA DS .....	179
IDRA PLUS DS .....	183

<b>FLANGED AND DOUBLE COILS DHW CYLINDERS</b>	<b>185</b>
IDRA N DS.....	185

<b>SINGLE COIL DHW CYLINDERS</b>	<b>187</b>
IDRA C-HP MS.....	187
IDRA HP .....	192

>> NEW

<b>STORAGE CYLINDERS</b>	<b>194</b>
STOR M / STOR.....	194
STOR H.....	196

## COMPLEMENTARY ITEMS 198

### SOLAR CONTROLS AND PUMP STATIONS 198

CONNECT SOLAR & EVOSOL .....	198
SUN PRO .....	199

### HEAT EXCHANGER UNITS 200

SC SUN .....	200
SC ACS .....	202

## SOLAR THERMAL ACCESSORIES 204

### SOLAR THERMAL ACCESSORIES 204

Solar Thermal Accessories .....	204
---------------------------------	-----

## CENTRALIZED HEATING 206

### CONDENSING WALL-HUNG BOILERS 208

#### INDOOR 208

Power Evo X .....	208
-------------------	-----

### WALL HUNG MODULAR SYSTEMS 216

#### INDOOR/OUTDOOR 216

Power Max .....	216
-----------------	-----

### FLOOR MODULAR SYSTEMS 239

#### INDOOR/OUTDOOR 239

Power Max Box .....	239
---------------------	-----

### FLUE OPTION SYSTEMS 253

#### FOR CONDENSING 253

For Chimneys Condensing .....	253
Flue Option for Condensing .....	259

## AIR CONDITIONING 270

### AIR CONDITIONERS 272

#### MONOSPLIT 272

Breva .....	272
-------------	-----

#### MULTISPLIT 274

Breva Dual .....	274
Breva Trial .....	276
Breva Quadri .....	278

## TERMINAL UNITS 280

### FAN COILS 282

#### WALL-MOUNTED FAN COILS 282

Tivano Wall .....	282
-------------------	-----

#### FAN COILS WITH CABINET 284

Tivano - Tivano R .....	284
-------------------------	-----

## SYSTEM COMPLEMENTARY ITEMS 288

### THERMOSTAT AND CHRONOTHERMOSTAT 290

#### THERMOSTAT AND CHRONOTHERMOSTAT 290

Hi, Comfort T100 Wi-Fi .....	290
Hi, Comfort K100 .....	292
Alpha Programmable Digital Room Thermostat .....	293
Alpha Digital Room Thermostat .....	294

### HEAT-EXCHANGERS 295

#### PLATE HEAT-EXCHANGERS 295

SP - Inspectable plate heat exchanger .....	295
---	-----

>> NEW

HYBRID SYSTEMS



HYBRID SYSTEMS WITH MONOBLOC HEAT PUMP	20
HYBRID SYSTEMS WITH SPLIT HEAT PUMP	51



## HYBRID SYSTEMS FOR HYBRID READY COMBINED BOILER



- The HYBRID Systems consisting of combined boiler, solar collectors and Bertea heat pump form a class A+ system
- Modular thermally autonomous hybrid system
- Suitable for heating, cooling and domestic water
- Management of COMBINED condensing boiler, heat pump and solar thermal unit
- **REC10MH, Hybrid System Management Control, to be installed in the home on the wall or on the boiler**
- Three possible configurations (A, B, C) each with 3 kits to manage a different number of zones (1 DIR; 2 DIR; 1HT+1LT):  
KIT A (HYBRID DS) - for combined boiler and Heat Pump with solar thermal unit connectable to a double-coil heater  
KIT B (HYBRID MS) - for combined boiler and Heat Pump that can be combined with a single-coil heater  
KIT C (HYBRID WITHOUT HEATER) - for combined boiler and heat pump without heater
- **New under-boiler distribution module (kit) for applications without hydraulic separator**

## Hybrid systems for combined boilers

CODE	DESCRIPTION	MANAGEMENT COMFORT <sup>(1)</sup>	MANAGEMENT DHW	MANAGEMENT ZONES
<b>UNDER-BOILER KIT - DISTRIBUTION MODULE WITHOUT SEPARATOR FOR CONNECTION OF MS HEATER AND DHW MANAGEMENT WITH COMBINED BOILER - HEAT PUMP</b>				
20185507	HYBRID UNDER-BOILER SYSTEM 1 DIR <sup>(A)</sup>	hot / cold	⚡ 🔥 -	1 DIRECT
<b>KIT A (HYBRID DS) - FOR DS HEATER CONNECTION AND DHW MANAGEMENT WITH COMBINED BOILER - HEAT PUMP - SOLAR</b>				
20134957	HYBRID DS 1 DIR - DHW (COMBI-HEAT PUMP-SOLAR)	hot / cold	⚡ 🔥 ☀	1 DIRECT
20134958	HYBRID DS 2 DIR - DHW (COMBI-HEAT PUMP-SOLAR)	hot / cold	⚡ 🔥 ☀	2 DIRECT
20134959	HYBRID DS 1HT/1LT - DHW (COMBI-HEAT PUMP-SOLAR)	hot / cold	⚡ 🔥 ☀	1HT + 1LT
<b>KIT B (HYBRID MS) - FOR MS HEATER CONNECTION AND DHW MANAGEMENT WITH COMBINED BOILER AND HEAT PUMP</b>				
20134960	HYBRID MS 1 DIR - DHW (COMBI-HEAT PUMP)	hot / cold	⚡ 🔥 -	1 DIRECT
20134961	HYBRID MS 2 DIR - DHW (COMBI-HEAT PUMP)	hot / cold	⚡ 🔥 -	2 DIRECT
20134962	HYBRID MS 1HT/1LT - DHW (COMBI-HEAT PUMP)	hot / cold	⚡ 🔥 -	1HT + 1LT
<b>KIT C (HYBRID WITHOUT HEATER) - FOR DHW MANAGEMENT WITH COMBINED BOILER</b>				
20134963	HYBRID 1 DIR COMBI - WITHOUT HEATER	hot / cold	- 🔥 -	1 DIRECT
20134964	HYBRID 2 DIR COMBI - WITHOUT HEATER	hot / cold	- 🔥 -	2 DIRECT
20134965	HYBRID 1HT/1LT COMBI - WITHOUT HEATER	hot / cold	- 🔥 -	1HT + 1LT

☀ Solar thermal unit; ⚡ Hydronic Unit heat pump; 🔥 Hybrid Ready combined condensing boiler

To house the Hybrid kits it is necessary to purchase the BOX, also compatible for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

The Hybrid kit codes do not include the boiler, solar collector, heat pump, storage cylinder or inertial storage tank: these must be chosen from the codes indicated in the combination tables.

(A) Code consisting of 1 hydraulic module for direct 1-zone hybrid distribution (code 20165227) and 1 outdoor temperature sensor kit with connector (code 1220559). For hybrid system management command (not included in the kit), refer to the "Management commands for hybrid systems" table. Compatible with heat pump up to model 012/012T only. Check whether there is a bypass valve (code 20182807). Add one if necessary.

(1) Comfort management with boiler and heat pump.

## HYBRID SYSTEMS - COMBINED BOILER SELECTION TABLES

### Management commands for hybrid systems

CODE	MODEL
20193922	REC10MH hybrid system management command <sup>(1)</sup>



















(1) The REC10MH panel is used to manage the operation of the HYDRO UNIT M heat pump in a hybrid system.

### Box for Hybrid kit

CODE	MODEL	DIMENSIONS H x L x D (mm)
20130808	Box (also for built-in installation) for CONNECT HYBRID <sup>(2)</sup>	797 x 400 x 160
20131752	Cock kit for CONNECT HYBRID	-

(1) Paintable box.

### Combined condensing boilers (compatible with under-boiler kit and kits A, B and C)

CODICE MTN <sup>(1)</sup>	MODEL	DIMENSIONS H x L x D (mm)	HEAT INPUT OF HEAT. / DOMESTIC WATER Min - Max (kW)	DOMESTIC WATER PRODUCTION (l/min-Δt 25°C)	CLASS  
<b>INSTANTANEOUS COMBINED</b>					
20187794	EXCLUSIVE X 25 C <sup>(1) (2)</sup>	740 x 420 x 275	3,6 - 20 / 3,6 - 25	15,1	 
20187795	EXCLUSIVE X 30 C <sup>(1)</sup>	740 x 470 x 350	4,9 - 25 / 4,9 - 30	18,1	 
20187796	EXCLUSIVE X 35 C <sup>(1)</sup>	740 x 470 x 350	4,9-32 / 4,9 - 34,6	20,8	 
20149446	MYNUTE X 25 C <sup>(2)</sup>	740 x 420 x 275	3,6 - 20 / 3,6 - 25	15,1	 
20149447	MYNUTE X 30 C	740 x 420 x 350	4,9 - 25 / 4,9 - 30	18,1	 
20149448	MYNUTE X 35 C	740 x 420 x 350	4,9 - 30 / 4,9 - 34,6	20,8	 
20191298	METEO X 25C <sup>(3)</sup>	740 x 420 x 275	3,1 - 20 / 3,1 - 25	14,3	 
20191299	METEO X 30C <sup>(3)</sup>	740 x 420 x 275	3,95 - 25 / 3,95 - 30	17,2	 

(1) Boilers in which gas switch-over, thanks to the new ACC combustion system, is carried out through electronic settings.

(2) BOX built-in boilers code 1103289.

(3) For more info about combining boilers and heat pumps, refer to the tables in the "GUIDE TO SYSTEM CONFIGURATION" on page 55.

## HYBRID SYSTEMS - HEAT PUMP AND SOLAR COLLECTOR SELECTION TABLE

### Specific accessories for condensing boilers

CODE	MODEL	DIMENSIONS H x L x D (mm)
20016681	EDILBOX built-in box <sup>(1)</sup>	1185 x 545 x 255
1103289	Built-in BOX GREEN with door <sup>(2)(3)</sup>	1223 x 654 x 255 (+26)
20193276	EXCLUSIVE X anti-freeze resistor kit for combined versions (down to -15°C)	-
20156799	Combined MYNUTE X frost protection heating element kit (down to -15°C)	-
20132005	Wall-mounted hydraulic connections and gas tap kit for combi boilers	-
20133516	Wall-mounted hydraulic connections and heating, gas and DHW taps kit for combi boilers	-
20134477	Connection kit for EXCLUSIVE X - MYNUTE X built-in installation	-
20196582	Rigid ramps for EDILBOX - 25 kW <sup>(4)</sup>	-
20196580	Rigid ramps for BOX GREEN - 25 kW <sup>(4)</sup>	-
20196581	Rigid ramps for BOX GREEN - 30 kW <sup>(4)</sup>	-
20182807	Adjustable bypass valve	-
20191518	Compact polyphosphate doser kit	-
20191517	Compact magnetic filter	-

(1) BOX compatible with Mynute X 25 C through the specific accessory kit for recessed cod. 20196582.



(2) The front of the BOX (door) protrudes 26 mm from the recessed frame.

(3) BOX compatible with Mynute X 25 C and Mynute X 30 C respectively through the specific accessory kits for built-in cod. 20196580 and 20196581.

(4) The 'RIGID RAMPS' kits must be used in conjunction with the accessories Compact magnetic filter kit cod. 20191517 and Polyphosphate dosing compact kit cod. 20191518.

# HYBRID SYSTEMS - HEAT PUMP AND SOLAR COLLECTOR SELECTION TABLE

## Heat pumps (compatible with under-boiler kits and kits A, B and C)

CODE	MODEL	DIMENSIONS H x L x D (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS  55°C  35°C	
SINGLE-PHASE HEAT PUMPS					
20203411	HYDRO UNIT M 004	718 x 1295 x 426	4,20 / 4,50	A <sup>++</sup>	A <sup>+++</sup>
20203413	HYDRO UNIT M 006	718 x 1295 x 426	6,35 / 6,50	A <sup>++</sup>	A <sup>+++</sup>
20203414	HYDRO UNIT M 008	865 x 1385 x 523	8,40 / 8,30	A <sup>++</sup>	A <sup>+++</sup>
20203416	HYDRO UNIT M 010	865 x 1385 x 523	10,00 / 9,90	A <sup>++</sup>	A <sup>+++</sup>
20203656	HYDRO UNIT M 012	865 x 1385 x 523	12,10 / 12,00	A <sup>++</sup>	A <sup>+++</sup>
20203659	HYDRO UNIT M 014	865 x 1385 x 523	14,50 / 13,50	A <sup>++</sup>	A <sup>+++</sup>
THREE-PHASE HEAT PUMPS					
20203672	HYDRO UNIT M 012T	865 x 1385 x 523	12,10 / 12,00	A <sup>++</sup>	A <sup>+++</sup>
20203674	HYDRO UNIT M 014T	865 x 1385 x 523	14,50 / 13,50	A <sup>++</sup>	A <sup>+++</sup>

(1) Outdoor air d.b. + 7 °C / w.b. + 6 °C, water 30°C - 35°C.

(2) Outdoor air d.b. + 35 °C/w.b. + 24°C, water 23°C - 18°C.


Models that can be used for stand-alone full electric installation with commands supplied as standard, and for hybrid systems in combination with the REC10MH command (refer to the specific section).

## Solar collectors (for kit A only)

CODE	DESCRIPTION	MODEL
20201328	Flat collector 2,5 m <sup>2</sup>	SCF-25/4B A
20201335	Flat collector 2 m <sup>2</sup>	SCF-20/4B A

For bracket codes and glycol refer to the solar thermal section.






## Double-coil heaters (compatible with kit A)

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>DOUBLE SERPENTINE BOILERS</b>					
20117881	IDRA DS 200 <sup>(1)</sup>	1338 x 604	208 double coil	62	B
20117882	IDRA DS 300 <sup>(1)</sup>	1838 x 604	301 double coil	69	B

(1) Heaters for Hybrid DS Systems. When connected in Hybrid MS Systems, the two coils must be connected in series.

## HYBRID SYSTEMS - HEATER AND INERTIAL BUFFER TANK SELECTION TABLES

### Single-coil heaters (compatible with under-boiler kit and kit B)

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>SINGLE-COIL HEATERS FOR HEAT PUMP</b>					
20117745	IDRA HP 300 <sup>(2)</sup>	1615 x 600	263 single-coil	85	
20204198	IDRA C-HP 150 MS	1138 x 604	170 single-coil	55	
20204200	IDRA C-HP 200 MS	1354 x 604	210 single-coil	58	
20204202	IDRA C-HP 300 MS	1838 x 604	305 single-coil	68	

(2) Heaters for Hybrid MS Systems.

### Accessories for IDRA HP 300 single-coil storage tanks (compatible with kit B)

CODE	DESCRIPTION
4383504	Solar heat exchanger 0,8 m <sup>2</sup> for IDRA HP 300 <sup>(1)</sup>
20203248	Solar heat exchanger 0,8 m <sup>2</sup> for C-HP 150-300
4383270	Single-phase resistance kit 1,5 kW 1 "1/2

(1) The accessory must be ordered together with the base unit (if the latter is not available, the accessory cannot be ordered). It is supplied uninstalled.

### Inertial buffer tanks (compatible with under-boiler kit and kits A, B and C)

CODE	DESCRIPTION
20104496	25-litre cylindrical technical tank kit <sup>(1)</sup>
20171999	STOR H 50 - 50-litre inertial buffer tank <sup>(1)</sup>
20142300	STOR H 100 - 100-litre technical hot/cold tank kit <sup>(1) (2)</sup>

(1) Provide at least 3,5 litres per kW of heat pump cooling output.

(2) Code with limited availability.

### Accessories for Hybrid Systems (compatible with Kit C)




CODE	DESCRIPTION
20165741	Photovoltaic input board kit <sup>(1)</sup>

(1) To be used only if there is no diverting valve kit code 20131755 within the packages.

For info about all the accessories available, refer to the specific section.


## HYBRID SYSTEMS FOR HYBRID READY COMBINED BOILER

### KIT A COMPOSITION (HYBRID DS) - for management (\*) of DS heater and DHW with combined boiler - Heat Pump - solar

CODE	DESCRIPTION	MANAGEMENT COMFORT	MANAGEMENT DHW	MANAGEMENT ZONES
20134957	HYBRID DS 1 DIR - ACS (COMBI-HEAT PUMP-SOLAR)	hot / cold	  	1 DIRECT




#### CONSISTING OF:

20130801	CONNECT HYBRID 1D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
20035644	SOLAR MIXING DIVERTING VALVE KIT (FOR COMBINED BOILERS)			1 pc.
20116162	CONNECT SOLAR R RETURN-ONLY HYDRAULIC UNIT - 7,5m			1 pc.
20168672	SOLAR THERMAL UNIT INTERFACE KIT			1 pc.

20134958	HYBRID DS 2 DIR - DHW (COMBI-HEAT PUMP-SOLAR)	hot / cold	  	2 DIRECT
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#### CONSISTING OF:

20130802	CONNECT HYBRID 2D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
20035644	SOLAR MIXING DIVERTING VALVE KIT (FOR COMBINED BOILERS)			1 pc.
20116162	CONNECT SOLAR R RETURN-ONLY HYDRAULIC UNIT - 7,5m			1 pc.
20168672	SOLAR THERMAL UNIT INTERFACE KIT			1 pc.

20134959	HYBRID DS 1HT/1LT - DHW (COMBI-HEAT PUMP-SOLAR)	hot / cold	  	1HT + 1LT
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#### CONSISTING OF:

20130803	CONNECT HYBRID HT/LT MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
20035644	SOLAR MIXING DIVERTING VALVE KIT (FOR COMBINED BOILERS)			1 pc.
20116162	CONNECT SOLAR R RETURN-ONLY HYDRAULIC UNIT - 7,5m			1 pc.
20168672	SOLAR THERMAL UNIT INTERFACE KIT			1 pc.

 Solar thermal unit;  Hydronic Unit heat pump;  combined condensing boiler

To house the Hybrid kits it is necessary to purchase the BOX for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

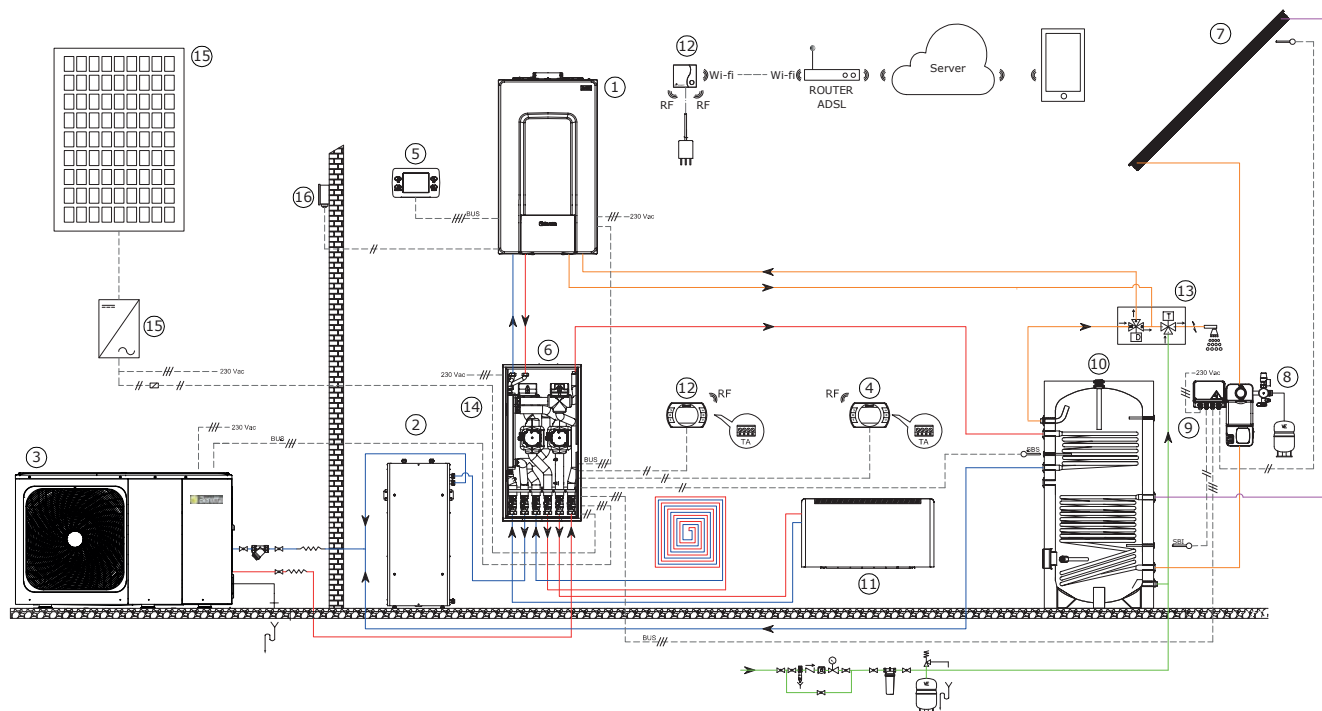
The Hybrid system codes do not include boiler, solar collector, heat pump, heater and inertial buffer tank: to be chosen from the codes specified in the combination tables.

(\*) Refer to the "Command panels for hybrid systems" table for the system command panel.

## HYBRID SYSTEMS FOR HYBRID READY COMBINED BOILER

### Hybrid DS systems: with kit A, combined boiler, heat pump, solar - two zones (1HT + 1LT)

The system is controlled by the REC10MH hybrid control connected to Connect Hybrid, and the outdoor temperature probe connected to the boiler.



Basic layout purely for illustrative purposes

#### Key:

- 1 EXCLUSIVE X / MYNUTE X / METEO X<sup>(1)</sup>
- 2 STOR H 50 - 50-litre inertial buffer tank
- 3 Heat pump <sup>(1)</sup>
- 4 Hi, Comfort T100 Control
- 5 REC10MH hybrid systems management control <sup>(2)</sup>
- 6 Kit A - (Hybrid DS), built into the BOX and with cock kit (optional)
- 7 Solar collector
- 8 Return-only solar hydraulic unit (code sold in kit A - Hybrid DS)
- 9 Solar management board (code sold in kit A - Hybrid DS)
- 10 Double-coil domestic water heater
- 11 Tivano Fan coil
- 12 Wi-fi module
- 13 Diverting/mixing valve (code sold in kit A - Hybrid DS)
- 14 Photovoltaic input board (code sold in kit A - Hybrid DS)
- 15 Photovoltaic string with inverter
- 16 External probe

#### Possible solutions\*:

- 1 HT zone or 1 direct LT zone
- 2 HT zones or 2 direct LT zones
- 1 HT zone + 1 LT zone (as per diagram)
- Cooling using TIVANO FAN COIL







(\*) The mixed zone is managed with motorised mixing valves and self-modulating circulating pumps

(1) For more info about combining boilers and heat pumps, refer to the tables in the "GUIDE TO SYSTEM CONFIGURATION" on page 55.

(2) The REC10MH - Hybrid control is already installed on the Exclusive X boilers. If it is installed on the wall, the control on the boiler must be disconnected and remotely controlled using a specific accessory. For all configurations, refer to the applicable design and installation standards and to the product's technical manuals.

## HYBRID SYSTEMS FOR HYBRID READY COMBINED BOILER

### KIT B COMPOSITION (HYBRID MS) - for management of MS heater and DHW with combined boiler and Heat Pump

CODE	DESCRIPTION	MANAGEMENT COMFORT	MANAGEMENT DHW	MANAGEMENT ZONES
20134960	HYBRID MS 1 DIR - DHW (COMBI-HEAT PUMP)	hot / cold	  -	1 DIRECT
<b>CONSISTING OF:</b>				
20130801	CONNECT HYBRID 1D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
20035644	SOLAR MIXING DIVERTING VALVE KIT (FOR COMBINED BOILERS)			1 pc.
20134961	HYBRID MS 2 DIR - DHW (COMBI-HEAT PUMP)	hot / cold	  -	2 DIRECT
<b>CONSISTING OF:</b>				
20130802	CONNECT HYBRID 2D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
20035644	SOLAR MIXING DIVERTING VALVE KIT (FOR COMBINED BOILERS)			1 pc.
20134962	HYBRID MS 1HT/1LT - DHW (COMBI-HEAT PUMP)	hot / cold	  -	1AT + 1BT
<b>CONSISTING OF:</b>				
20130803	CONNECT HYBRID HT/LT MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
20035644	SOLAR MIXING DIVERTING VALVE KIT (FOR COMBINED BOILERS)			1 pc.

 Heat pump;  Combined condensing boiler.

To house the Hybrid kits it is necessary to purchase the BOX for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

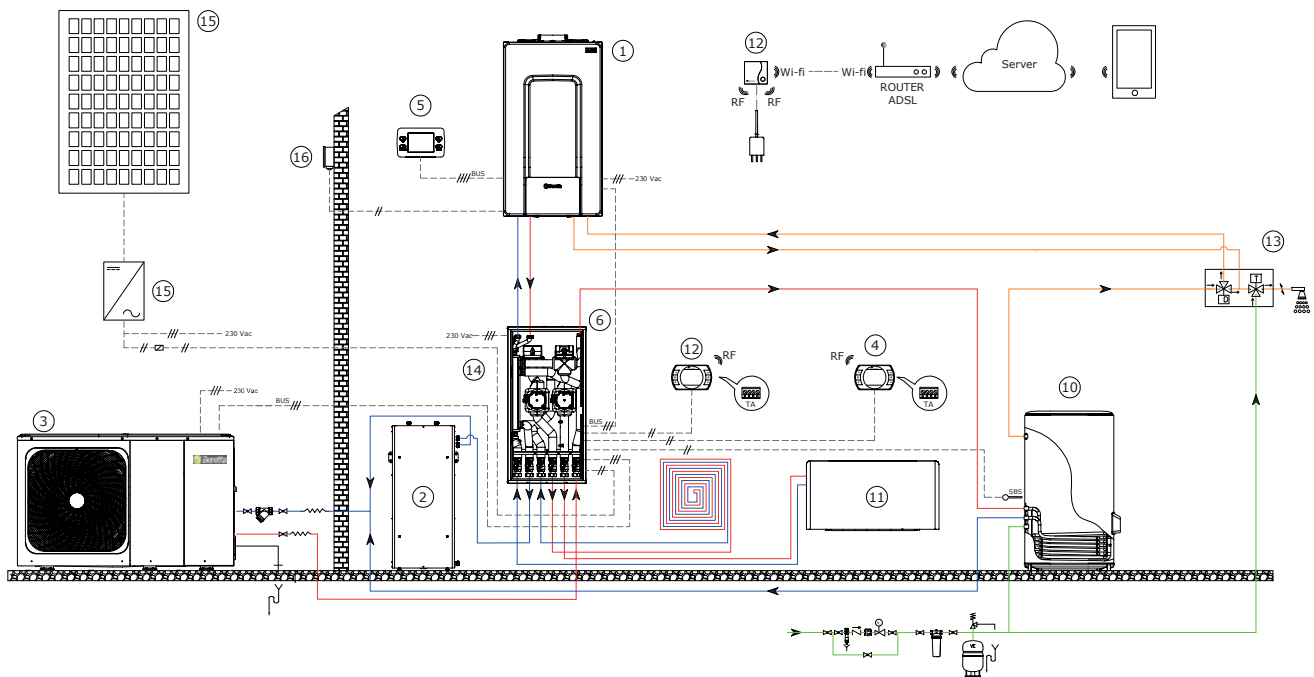
The Hybrid system codes do not include the boiler, the hybrid system command panel, the heat pump, storage cylinder or inertial storage tank: these must be chosen from the codes indicated in the combination tables.

(\*) Refer to the "Command panels for hybrid systems" table for the system command panel.

## HYBRID SYSTEMS FOR HYBRID READY COMBINED BOILER

### Hybrid MS systems: with kit B, combined boiler, heat pump - two zones (1HT + 1LT)

The system is controlled by the REC10MH hybrid control connected to Connect Hybrid, and the outdoor temperature probe connected to the boiler.



Basic layout purely for illustrative purposes

#### Key:

- 1 EXCLUSIVE X / MYNUTE X / METEO X<sup>(1)</sup>
- 2 STOR H 50 - 50-litre inertial buffer tank
- 3 Heat pump <sup>(1)</sup>
- 4 Hi, Comfort T100 Control
- 5 REC10MH hybrid systems management control <sup>(2)</sup>
- 6 Kit B - (Hybrid MS), built into the BOX and with cock kit (optional)
- 10 Single-coil domestic water heater
- 11 Tivano Fan coil
- 12 Wi-fi module
- 13 Diverting/mixing valve (code sold in kit B - Hybrid MS)
- 14 Photovoltaic input board (code sold in kit B - Hybrid MS)
- 15 Photovoltaic string with inverter
- 16 External probe

#### Possible solutions\*:




- 1 HT zone or 1 direct LT zone
- 2 HT zones or 2 direct LT zones
- 1 HT zone + 1 LT zone (as per diagram)
- Cooling using TIVANO FAN COIL

(\*) The mixed zone is managed with motorised mixing valves and self-modulating circulating pumps

(1) For more info about combining boilers and heat pumps, refer to the tables in the "GUIDE TO SYSTEM CONFIGURATION" on page 55.

(2) The REC10MH - Hybrid control is already installed on the Exclusive X boilers. If it is installed on the wall, the control on the boiler must be disconnected and remotely controlled using a specific accessory. For all configurations, refer to the applicable design and installation standards and to the product's technical manuals.

**KIT C COMPOSITION (HYBRID WITHOUT HEATER) - for DHW management with combined boiler**

CODE	DESCRIPTION	MANAGEMENT COMFORT	MANAGEMENT DHW	MANAGEMENT ZONES
20134963	HYBRID 1 DIR COMBI - WITHOUT HEATER	hot / cold	-  -	1 DIRECT
<b>CONSISTING OF:</b>				
20130801	CONNECT HYBRID 1D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20134964	HYBRID 2 DIR COMBI - WITHOUT HEATER	hot / cold	-  -	2 DIRECT
<b>CONSISTING OF:</b>				
20130802	CONNECT HYBRID 2D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20134965	HYBRID 1HT/1LT COMBI - WITHOUT HEATER	hot / cold	-  -	1HT + 1LT
<b>CONSISTING OF:</b>				
20130803	CONNECT HYBRID HT/LT MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.

 Combined condensing boiler.

To house the Hybrid kits it is necessary to purchase the BOX for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

The Hybrid system codes do not include the boiler, the hybrid system command panel, the heat pump, storage cylinder or inertial storage tank: these must be chosen from the codes indicated in the combination tables.

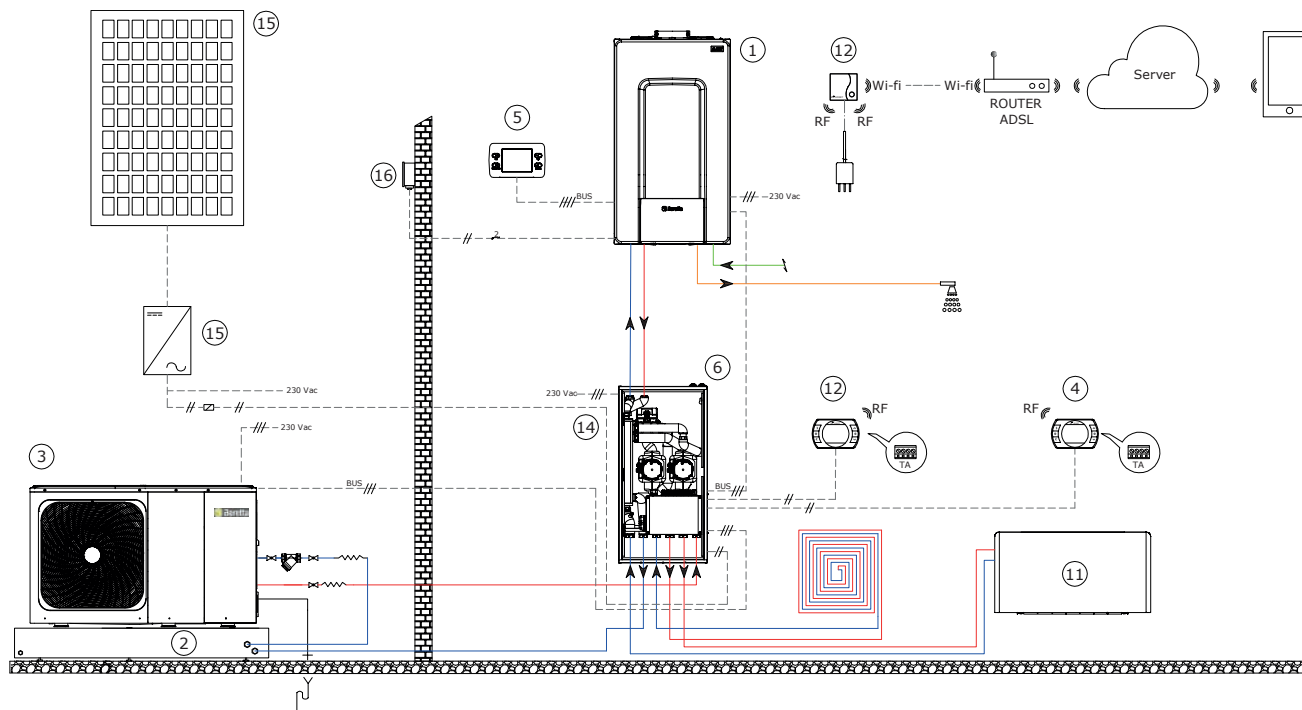
For input of signal from the photovoltaic system, it is necessary to use the optional kit code 20165741.

(\*) Refer to the "Command panels for hybrid systems" table for the system command panel.

## HYBRID SYSTEMS FOR HYBRID READY COMBINED BOILER

### Hybrid systems WITHOUT HEATER: with kit C, combined boiler, heat pump - two zones (1HT + 1LT)

he system is controlled by the REC10MH hybrid control connected to Connect Hybrid, and the outdoor temperature probe connected to the boiler.



Basic layout purely for illustrative purposes

#### Key:

- 1 EXCLUSIVE X / MYNUTE X / METEO X<sup>(1)</sup>
- 2 STOR H 50 - 50-litre inertial buffer tank
- 3 Heat pump <sup>(1)</sup>
- 4 Hi, Comfort T100 Control
- 5 REC10MH hybrid systems management control <sup>(2)</sup>
- 6 Kit C - Hybrid WITHOUT HEATER, built into the BOX and with cock kit (optional)
- 11 Tivano Fan coil
- 12 Wi-fi module
- 14 Optional photovoltaic input board (code 20165741)
- 15 Photovoltaic string with inverter
- 16 External probe

#### Possible solutions\*:

- 1 HT zone or 1 direct LT zone
- 2 HT zones or 2 direct LT zones
- 1 HT zone + 1 LT zone (as per diagram)
- Cooling using TIVANO FAN COIL

(\*) The mixed zone is managed with motorised mixing valves and self-modulating circulating pumps

(1) For more info about combining boilers and heat pumps, refer to the tables in the "GUIDE TO SYSTEM CONFIGURATION" on page 55.

(2) The REC10MH - Hybrid control is already installed on the Exclusive X boilers. If it is installed on the wall, the control on the boiler must be disconnected and remotely controlled using a specific accessory. For all configurations, refer to the applicable design and installation standards and to the product's technical manuals.



- **The HYBRID Systems consisting of heating-only boiler, solar collectors and Beretta heat pump form a class A+ system**
- Modular thermally autonomous hybrid system
- Suitable for heating, cooling and domestic water
- Management of HEATING-ONLY condensing boiler, heat pump and solar thermal unit
- **REC10MH, Hybrid System Management Control, to be installed in the home on the wall or on the boiler**
- Two possible configurations (D, E) each with 3 kits to manage a different number of zones (1 DIR; 2 DIR; 1HT+1LT):  
KIT D - (HYBRID DS) - for Heat Pump and heating-only boiler with solar connectable to a double-coil heater  
KIT E - (HYBRID DS) - for heating-only boiler and Heat Pump connectable to a double-coil heater
- **New under-boiler distribution module (kit) for applications without hydraulic separator**

## Hybrid systems for heating-only boilers

CODE	DESCRIPTION	MANAGEMENT COMFORT <sup>(1)</sup>	MANAGEMENT DHW	MANAGEMENT ZONES
<b>UNDER-BOILER KIT - DISTRIBUTION MODULE WITHOUT SEPARATOR FOR CONNECTION DS HEATER WITH HEATING-ONLY BOILER, SOLAR AND HEAT PUMP</b>				
20185398	HYBRID UNDER-BOILER SYSTEM 1.DIR + DHW (A)	hot / cold	⚡ 🔥 ☀️	1 DIRECT
<b>KIT D (HYBRID DS) - FOR MANAGEMENT OF DS HEATER WITH HEATING-ONLY BOILER AND SOLAR</b>				
20134966	HYBRID DS 1 DIR - DHW (HEATING ONLY-SOLAR)	hot / cold	- 🔥 ☀️	1 DIRECT
20134967	HYBRID DS 2 DIR - DHW (HEATING ONLY-SOLAR)	hot / cold	- 🔥 ☀️	2 DIRECT
20134968	HYBRID DS 1HT/1LT - DHW (HEATING ONLY-SOLAR)	hot / cold	- 🔥 ☀️	1HT + 1LT
<b>KIT E (HYBRID DS) - FOR MANAGEMENT OF DS HEATER WITH HEATING-ONLY BOILER AND HEAT PUMP</b>				
20134969	HYBRID DS 1 DIR - DHW (HEATING ONLY-HEAT PUMP)	hot / cold	⚡ 🔥 -	1 DIRECT
20134970	HYBRID DS 2 DIR - DHW (HEATING ONLY-HEAT PUMP)	hot / cold	⚡ 🔥 -	2 DIRECT
20134971	HYBRID DS 1HT/1LT - DHW (HEATING ONLY-HEAT PUMP)	hot / cold	⚡ 🔥 -	1HT + 1LT

☀️ Solar thermal unit; ⚡ Hydronic Unit heat pump; 🔥 Hybrid Ready combined condensing boiler.

To house the Hybrid kits it is necessary to purchase the BOX, also compatible for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

The Hybrid kit codes do not include boiler, solar collector, heat pump, heater and inertial buffer tank: to be chosen from the codes specified in the combination tables.

(A) Code consisting of 1 hydraulic module for direct 1-zone hybrid distribution (code 20165227), 1 outdoor temperature sensor kit with connector (code 1220559). For hybrid system management command (not included in the kit), refer to the "Management commands for hybrid systems" table.

Compatible with Heat Pump only up to model 012/012T. Check the presence of the bypass valve (cod. 20182807) and add it if necessary.

(1) Comfort management with boiler and heat pump.

## HYBRID SYSTEMS - HEATING-ONLY BOILER SELECTION TABLE

### Management commands for hybrid systems

CODE	MODEL
20193922	REC10MH hybrid system management command <sup>(1)</sup>







(1) The REC10MH panel is used to manage the operation of the HYDRO UNIT M heat pump in a hybrid system.

### Box for Hybrid kit

CODE	MODEL	DIMENSIONS H x L x D (mm)
20130808	Box (also for built-in installation) for CONNECT HYBRID <sup>(2)</sup>	797 x 400 x 160
20131752	Cock kit for CONNECT HYBRID	-

(1) Paintable box.

### Heating-only condensing boilers (compatible with under-boiler kit and kits D and E)

CODE MTN <sup>(1)</sup>	MODEL	DIMENSIONS H x L x D (mm)	HEAT INPUT OF HEAT. /DOMESTIC WATER Min - Max (kW)	DOMESTIC WATER PRODUCTION (l/min-Δt 25°C)	CLASS 	
<b>HEATING ONLY</b>						
20187800	EXCLUSIVE X 25 R <sup>(1) (2)</sup>	740 x 420 x 275	3,6 - 20 / 3,6 - 25	-		-
20187797	EXCLUSIVE X 35 R <sup>(1) (2) (3)</sup>	740 x 470 x 350	4,9 - 32 / 4,9 - 34,6	-		-
20149450	MYNUTE X 20 R	740 x 420 x 275	3,6 - 20 / 3,6 - 20	-		-
20149451	MYNUTE X 30 R <sup>(3)</sup>	740 x 420 x 350	4,9 - 30 / 4,9 - 34,6	-		-

(1) In EXCLUSIVE X boilers gas switch-over, thanks to the new ACC combustion system, is carried out through electronic settings.

(2) Boilers already equipped with a control panel for managing hybrid systems: REC 10MH integrated directly into the boiler. The REC 10MH can also be installed on the wall using a remote control accessory.



















(3) Models that cannot be built in the BOX code 1103289.

### Specific accessories for EXCLUSIVE X - MYNUTE X

CODE	MODEL	DIMENSIONS H x L x D (mm)
20134477	Connection kit for EXCLUSIVE X - MINUTE X built-in installation <sup>(1)</sup>	-
20191518	Kit polyphosphates dispenser (compact)	-
20191517	Kit magnetic filter (compact)	-

# HYBRID SYSTEMS - HEAT PUMP AND SOLAR COLLECTOR SELECTION TABLE

## Heat pumps (compatible with under-boiler kits and kits D and E)

CODE	MODEL	DIMENSIONS H x L x D (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS  55°C  35°C	
SINGLE-PHASE HEAT PUMPS					
20203411	HYDRO UNIT M 004	718 x 1295 x 426	4,20 / 4,50		
20203413	HYDRO UNIT M 006	718 x 1295 x 426	6,35 / 6,50		
20203414	HYDRO UNIT M 008	865 x 1385 x 523	8,40 / 8,30		
20203416	HYDRO UNIT M 010	865 x 1385 x 523	10,00 / 9,90		
20203656	HYDRO UNIT M 012	865 x 1385 x 523	12,10 / 12,00		
20203659	HYDRO UNIT M 014	865 x 1385 x 523	14,50 / 13,50		
THREE-PHASE HEAT PUMPS					
20203672	HYDRO UNIT M 012T	865 x 1385 x 523	12,10 / 12,00		
20203674	HYDRO UNIT M 014T	865 x 1385 x 523	14,50 / 13,50		

(1) Outdoor air d.b. + 7 °C / w.b. + 6 °C, water 30°C - 35°C.

(2) Outdoor air d.b. + 35 °C/w.b. + 24°C, water 23°C - 18°C.

Models that can be used for stand-alone full electric installation with commands supplied as standard, and for hybrid systems in combination with the REC10MH command (refer to the specific section).




## Solar collectors (for kit A only)

CODE	DESCRIPTION	MODEL
20201328	Flat collector 2,5 m²	SCF-25/4B A
20201335	Flat collector 2 m²	SCF-20/4B A






For bracket codes and glycol refer to the solar thermal section.

## HYBRID SYSTEMS - HEATER AND INERTIAL BUFFER TANK SELECTION TABLES

### Double-coil boilers (compatible with under-boiler kits and kits D and E)

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>DOUBLE-COIL HEATERS</b>					
20117881	IDRA DS 200	1338 x 604	208 double coil	62	
20117882	IDRA DS 300	1838 x 604	301 double coil	69	

### Single-coil heaters (compatible with kit E)

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>SINGLE-COIL HEATERS FOR HEAT PUMP</b>					
20117745	IDRA HP 300 <sup>(2)</sup>	1615 x 600	263 single-coil	85	
20204198	IDRA C-HP 150 MS	1138 x 604	170 single-coil	55	
20204200	IDRA C-HP 200 MS	1354 x 604	210 single-coil	58	
20204202	IDRA C-HP 300 MS	1838 x 604	305 single-coil	68	

(2) Heaters for Hybrid MS Systems.

### Accessories for IDRA HP 300 single-coil storage tanks (compatible with kit E)

CODE	DESCRIPTION
4383504	Solar heat exchanger 0,8 m <sup>2</sup> for IDRA HP 300 <sup>(1)</sup>
20203248	Solar heat exchanger 0,8 m <sup>2</sup> for C-HP 150-300
4383270	Single-phase resistance kit 1,5 kW 1 "1/2"

(1) The accessory must be ordered together with the base unit (if the latter is not available, the accessory cannot be ordered). It is supplied uninstalled.

### Inertial buffer tanks (compatible with under-boiler kit and kits D and E)

CODE	DESCRIPTION
20104496	25-litre cylindrical technical tank kit <sup>(1)</sup>
20171999	STOR H 50 - 50-litre inertial buffer tank <sup>(1)</sup>
20142300	STOR H 100 - 100-litre technical hot/cold tank kit <sup>(1) (2)</sup>

(1) Provide at least 3,5 litres per kW of heat pump cooling output.

(2) Code with limited availability.







# HYBRID SYSTEMS FOR HYBRID READY HEATING-ONLY BOILER

## Accessories for Hybrid Systems (compatible with Kit D)

CODE	DESCRIPTION
20165741	Photovoltaic input board kit <sup>(1)</sup>

(1) To be used only if there is no diverting valve kit code 20131755 within the packages.

## KIT D (HYBRID DS) COMPOSITION - for management (\*) of DS heater with heating-only boiler and solar

CODE	DESCRIPTION	MANAGEMENT COMFORT	MANAGEMENT DHW	MANAGEMENT ZONES
20134966	HYBRID DS 1 DIR - DHW (HEATING ONLY-SOLAR)	hot / cold	-  	1 DIRECT
<b>CONSISTING OF:</b>				
20130801	CONNECT HYBRID 1D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20116162	CONNECT SOLAR R RETURN-ONLY HYDRAULIC UNIT - 7,5m			1 pc.
20168672	SOLAR THERMAL UNIT INTERFACE KIT			1 pc.
1220599	POCKET PROBE KIT			1 pc.
1150529	3/4" MIXING VALVE			1 pc.
20134967	HYBRID DS 2 DIR - DHW (HEATING ONLY-SOLAR)	hot / cold	-  	2 DIRECT
<b>CONSISTING OF:</b>				
20130802	CONNECT HYBRID 2D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20116162	CONNECT SOLAR R RETURN-ONLY HYDRAULIC UNIT - 7,5m			1 pc.
20168672	SOLAR THERMAL UNIT INTERFACE KIT			1 pc.
1220599	POCKET PROBE KIT			1 pc.
1150529	3/4" MIXING VALVE			1 pc.
20134968	HYBRID DS 1HT/1LT - DHW (HEATING ONLY-SOLAR)	hot / cold	-  	1HT + 1LT
<b>CONSISTING OF:</b>				
20130803	CONNECT HYBRID HT/LT MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20116162	CONNECT SOLAR R RETURN-ONLY HYDRAULIC UNIT - 7,5m			1 pc.
20168672	SOLAR THERMAL UNIT INTERFACE KIT			1 pc.
1220599	POCKET PROBE KIT			1 pc.
1150529	3/4" MIXING VALVE			1 pc.

 Solar thermal unit;  Built-in combined condensing boiler

To house the Hybrid kits it is necessary to purchase the BOX for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

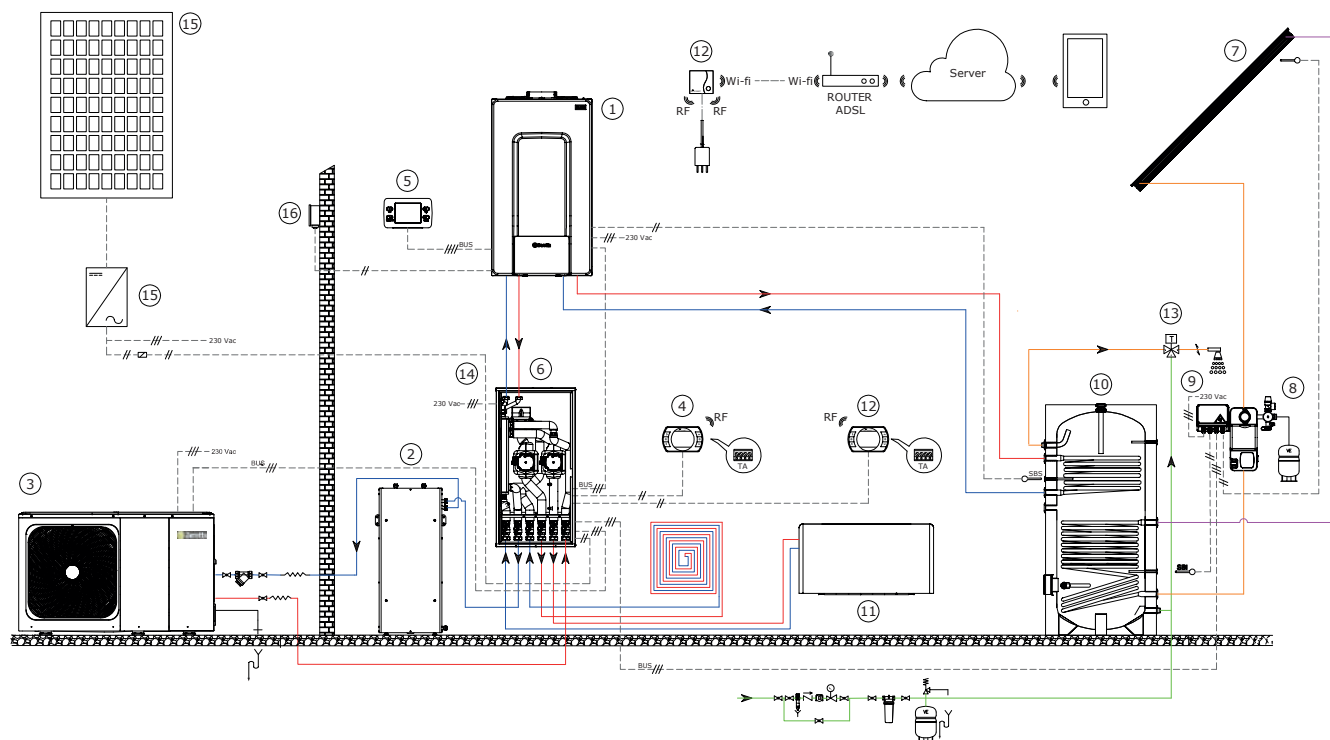
The Hybrid system codes do not include the boiler, the hybrid system command panel, solar collector, heat pump, storage cylinder or inertial storage tank: these must be chosen from the codes indicated in the combination tables.

(\*) Refer to the "Command panels for hybrid systems" table for the system command panel.

# HYBRID SYSTEMS FOR HYBRID READY HEATING-ONLY BOILER

## Hybrid DS systems: with kit D, heating-only boiler, heat pump, solar - two zones (1HT + 1LT)

The system is controlled by the REC10MH hybrid control connected to Connect Hybrid, and the outdoor temperature probe connected to the boiler.



Basic layout purely for illustrative purposes

### Key:

- 1 EXCLUSIVE X / MYNUTE X <sup>(1)</sup>
- 2 STOR H 50 - 50-litre inertial buffer tank
- 3 Heat pump <sup>(1)</sup>
- 4 Hi, Comfort T100 Control
- 5 REC10MH hybrid systems management control <sup>(2)</sup>
- 6 Kit D - Hybrid DS (heating only - solar) built into the BOX and with optional cock kit
- 7 Solar collector
- 8 Return-only solar hydraulic unit (code sold in kit D - Hybrid DS - heating-only / solar)
- 9 Solar management board (code sold in kit D - Hybrid DS - heating-only / solar)
- 10 Double-coil domestic water heater
- 11 Tivano Fan coil
- 12 Wi-fi module
- 13 Thermostatic mixing valve (code sold in kit D - Hybrid DS - heating-only / solar)
- 14 Photovoltaic input board (code sold in kit D - Hybrid DS)
- 15 Photovoltaic string with inverter
- 16 External probe

### Possible solutions\*:

- 1 HT zone or 1 direct LT zone
- 2 HT zones or 2 direct LT zones
- 1 HT zone + 1 LT zone (as per diagram)
- Cooling using TIVANO FAN COIL







(\*) The mixed zone is managed with motorised mixing valves and self-modulating circulating pumps

(1) For more info about combining boilers and heat pumps, refer to the tables in the "GUIDE TO SYSTEM CONFIGURATION" on page 63.

(2) The REC10MH - Hybrid control is already installed on the Exclusive X boilers. If it is installed on the wall, the control on the boiler must be disconnected and remotely controlled using a specific accessory. For all configurations, refer to the applicable design and installation standards and to the product's technical manuals.

## HYBRID SYSTEMS FOR HYBRID READY HEATING-ONLY BOILER

### KIT E (HYBRID DS) COMPOSITION - for management of DS heater with heating-only boiler and heat pump

CODE	DESCRIPTION	MANAGEMENT COMFORT	MANAGEMENT DHW	MANAGEMENT ZONES
20134969	HYBRID DS 1 DIR - DHW (HEATING ONLY-HEAT PUMP)	hot / cold	  -	1 DIRECT
<b>CONSISTING OF:</b>				
20130801	CONNECT HYBRID 1D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
1220599	POCKET PROBE KIT			1 pc.
20134970	HYBRID DS 2 DIR - DHW (HEATING ONLY-HEAT PUMP)	hot / cold	  -	2 DIRECT
<b>CONSISTING OF:</b>				
20130802	CONNECT HYBRID 2D MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
1220599	POCKET PROBE KIT			1 pc.
20134971	HYBRID DS 1HT/1LT - DHW (HEATING ONLY-HEAT PUMP)	hot / cold	  -	1HT + 1LT
<b>CONSISTING OF:</b>				
20130803	CONNECT HYBRID HT/LT MODULE			1 pc.
1220559	OUTDOOR TEMPERATURE PROBE KIT WITH CONNECTOR			1 pc.
20131755	DIVERTING VALVE KIT FOR HEATER MANAGEMENT (WITH PHOTOVOLTAIC INPUT)			1 pc.
1220599	POCKET PROBE KIT			1 pc.

 Heat pump;  Hybrid Ready condensing combi boiler.

To house the Hybrid kits it is necessary to purchase the BOX for built-in installation, code 20130808 and, if necessary, the cock kit code 20131752.

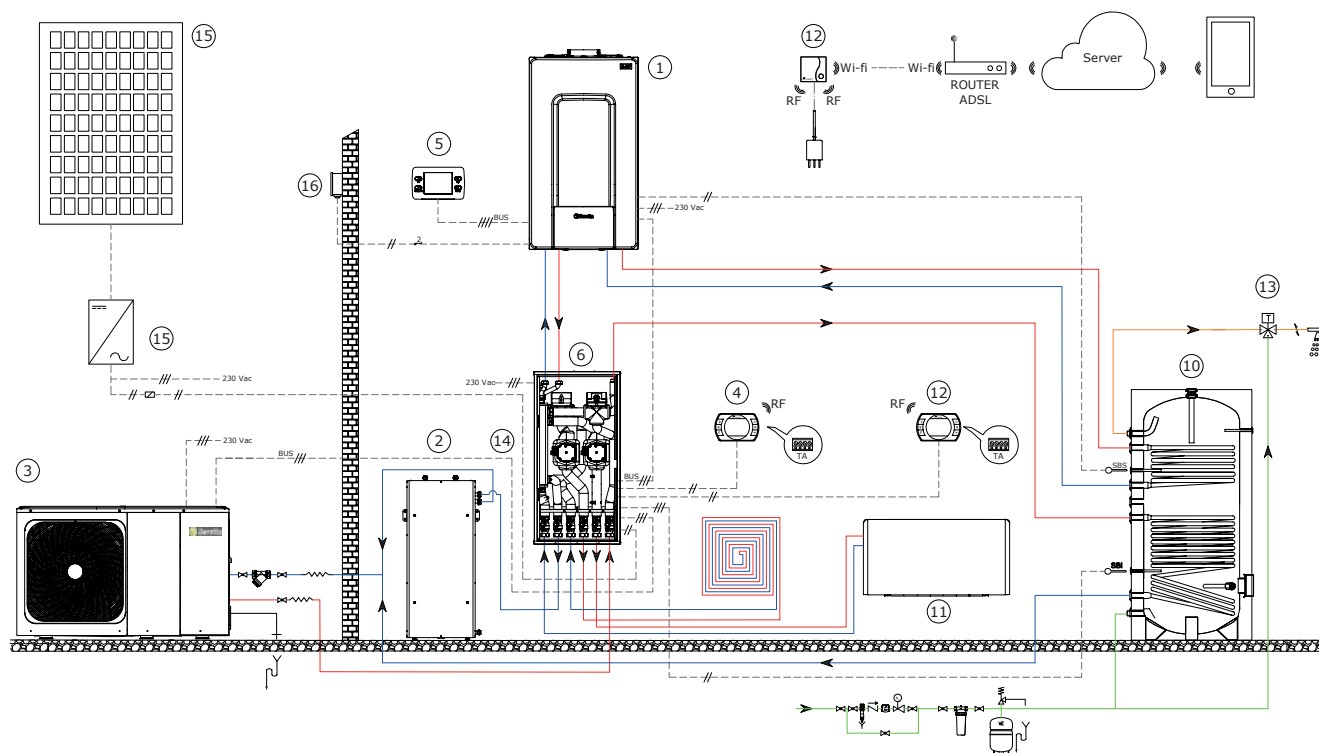
The Hybrid system codes do not include the boiler, the hybrid system command panel, the heat pump, storage cylinder or inertial storage tank: these must be chosen from the codes indicated in the combination tables.

(\*) Refer to the "Command panels for hybrid systems" table for the system command panel.

# HYBRID SYSTEMS FOR HYBRID READY HEATING-ONLY BOILER

## Hybrid DS systems: with kit E, heating-only boiler, heat pump - two zones (1HT + 1LT)

The system is controlled by the REC10MH hybrid control connected to Connect Hybrid, and the outdoor temperature probe connected to the boiler.



Basic layout purely for illustrative purposes

### Key:

- 1 EXCLUSIVE X / MYNUTE X <sup>(1)</sup>
- 2 STOR H 50 - 50-litre inertial buffer tank
- 3 Heat pump <sup>(1)</sup>
- 4 Hi, Comfort T100 Control
- 5 REC10MH hybrid systems management control (code sold in kit E - Hybrid DS - heating-only / PD) <sup>(2)</sup>
- 6 Kit E - Hybrid DS (heating only - Heat Pump) built into the BOX and with optional cock kit
- 10 Double-coil domestic water heater
- 11 Tivano Fan coil
- 12 Wi-fi module
- 13 Thermostatic mixing valve (optional code)
- 14 Photovoltaic input board (included in kit E - Hybrid DS - heating-only / Heat Pump)
- 15 Photovoltaic string with inverter
- 16 External probe

### Possible solutions\*:

- 1 HT zone or 1 direct LT zone
- 2 HT zones or 2 direct LT zones
- 1 HT zone + 1 LT zone (as per diagram)
- Cooling using TIVANO FAN COIL

(\*) The mixed zone is managed with motorised mixing valves and self-modulating circulating pumps

(1) For more info about combining boilers and heat pumps, refer to the tables in the "GUIDE TO SYSTEM CONFIGURATION" on page 63.

(2) The REC10MH - Hybrid control is already installed on the Exclusive X boilers. If it is installed on the wall, the control on the boiler must be disconnected and remotely controlled using a specific accessory. For all configurations, refer to the applicable design and installation standards and to the product's technical manuals.

# MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"



- The system consists of 2 main components: condensing boiler POWER EVO-X or POWER MAX, and heat pump HYDRO UNIT M 004÷016 or HYDRO UNIT M 018÷030
- Multi-energy hybrid system suitable for central heating and domestic hot water production
- Possibility of solar thermal integration
- Wide range of accessories

























## Heating-only condensing boilers

CODE	MODEL	DIMENSIONS H x L x P (mm)	HEAT INPUT HEATING MODE Min - Max (kW)	CLASS
<b>SINGLE-PHASE HEAT PUMPS</b>				
20190069	POWER EVO-X 50 DEP	740 x 470 x 350	5,20-34,9	A
20190070	POWER EVO-X 50	740 x 470 x 350	5,20-45	A
20190072	POWER EVO-X 65	740 x 470 x 453	8,20-55	A
20190073	POWER EVO-X 80	740 x 470 x 453	8,20-70	A
20128431	POWER MAX 65 P	1000 x 600 x 435	57-13,6	A
20128432	POWER MAX 80 P	1000 x 600 x 435	68-13,6	A
20128433	POWER MAX 100	1000 x 600 x 435	90-19,4	A
20128434	POWER MAX 110	1000 x 600 x 435	97-19,4	A
20128435	POWER MAX 130 (115 Hi)	1170 x 600 x 435	112-22,4	A
20128436	POWER MAX 150	1170 x 600 x 435	131-26,2	A

(\*) In combination with optional control kit Hi, Comfort T100 code 20193352 (class V) or optional control kit Hi, Comfort T100 Wi-F code 20193354 (class VI) connected to the boiler or, when present, to the additional zone card kit code 20130811.

# MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

## MONOBLOC HEAT PUMP





CODE	MODEL	DIMENSIONS H x L x P (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS  55°C  35°C	
SINGLE-PHASE HEAT PUMPS					
20203416	HYDRO UNIT M 010	865 x 1385 x 523	10.00 / 9.90		
20203656	HYDRO UNIT M 012	865 x 1385 x 523	12.10 / 12.00		
20203659	HYDRO UNIT M 014	865 x 1385 x 523	14.50 / 13.50		
20203660	HYDRO UNIT M 016	865 x 1385 x 523	15.90 / 14.20		
THREE-PHASE HEAT PUMPS					
20203672	HYDRO UNIT M 012T	865 x 1385 x 523	12.10 / 12.00		
20203674	HYDRO UNIT M 014T	865 x 1385 x 523	14.50 / 13.50		
20203678	HYDRO UNIT M 016T	865 x 1385 x 523	15.90 / 14.20		
20194173	HYDRO UNIT M 018T	1558 x 1129 x 528	18,00/ 18,50		
20194174	HYDRO UNIT M 022T	1558 x 1129 x 528	22,00/ 23,00		
20194175	HYDRO UNIT M 026T	1558 x 1129 x 528	26,00/ 27,00		
20194176	HYDRO UNIT M 030T	1558 x 1129 x 528	30,10/ 31,00		

(1) External air temperature DBT + 7 °C / WBT + 6 °C, Water Temperature 30 °C - 35 °C;

(2) External air temperature DBT + 35 °C / WBT + 24 °C, Water Temperature 23 °C - 18 °C.

DBT = Dry Bulb Temperature - WBT = Wet Bulb Temperature

## Inertial buffer tanks

CODE	MODEL	DIMENSIONS H x L x P (mm)	CAPACITY (l)	DISPERSION (W)	CLASS 
<b>SINGLE-PHASE HEAT PUMPS</b>					
20056180	STOR H 200	1395 x 550	203	68	
20056181	STOR H 300	1560 x 600	277	82	
20056183	STOR H 500	1840 x 700	473	114	

# MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"







## Compatible Solar hydraulic units

CODE	MODEL
20116161	Flow and return hydraulic group - CONNECT SOLAR M/R - 7.5 m <sup>2</sup>

## Compatible Solar collectors

CODE	MODEL	DIMENSIONS H x L x P (mm)	TOTAL AREA (m <sup>2</sup> )
20201328	SCF-25/4B A	2020 x 1235 x 85	2,49
20201335	SCF-20/4B A	1625 x 1235 x 85	2

## Compatible Cylinder for DHW

CODE	MODEL	DIMENSIONS H x L x P (mm)	CAPACITY (l)	DISPERSION (W)	CLASS 
20117745	IDRA HP 300	1615 x 600	263 single-coil	85	
20117746	IDRA HP 500	1690 x 750	470 single-coil	112	
20204202	IDRA C-HP 300 MS	1838 x 604	305 single-coil	68	
20204204	IDRA C-HP 500 MS	1793 x 755	500 single-coil	84	
20204206	IDRA C-HP 800 MS	1835 x 974	735 single-coil	94	-
20204208	IDRA C-HP 1000 MS	2155 x 974	890 single-coil	101	-
20117883	IDRA DS 430	1644 x 755	430 double-coil	75	
20117884	IDRA DS 550	1988 x 755	551 double-coil	85	-
20132278	IDRA DS 750	1846 x 1000	731 double-coil	94	-
20132281	IDRA DS 1000	2171 x 1000	883 double-coil	101	-
20136241	IDRA N DS 1500	2185 x 1200	1390 double-coil	162	-
20136242	IDRA N DS 2000	2470 x 1300	1950 double-coil	186	-

# MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

## GUIDE TO SYSTEM CONFIGURATION



### 1. SELECTION OF WALL-HUNG BOILER RANGE

#### 1.1 POWER EVO-X boiler-Heat pump combinations

#### 1.2 POWER MAX boiler-Heat pump combinations

### 2. WALL-HUNG BOILER ACCESSORIES

#### 2.1 Accessories for POWER EVO-X boilers

#### 2.2 Accessories for POWER MAX boilers

### 3. ACCESSORIES TO COMPLETE THE SYSTEM

#### 3.1 Hydraulic accessories

#### 3.2 Domestic hot water tank accessories

### 4. HI, COMFORT CONTROLS

## 1. SELECTION OF WALL-HUNG BOILER RANGE

Boiler output power (80°/60°) [kW]		Number of cascading boilers				
Boiler Range	Boiler Description	1	2	3	4	5
POWER EVO-X	POWER EVO-X 50	34	68			
	POWER EVO-X 50 DEP	44	88			
	POWER EVO-X 65	54	107			
	POWER EVO-X 80	68	136			
POWER MAX	POWER MAX 100	56	111			
	POWER MAX 110	67	134			
	POWER MAX 130	88	177	265	353	
	POWER MAX 150	95	191	286	381	
	POWER MAX 65 P	110	220	329	439	549
	POWER MAX 80 P	129	258	387	516	645

# MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

## 1.1 POWER EVO-X boiler-heat pump combinations (recommended)\*

### Combinations with stand-alone boilers

			1x HYDRO UNIT M 010 (20203416)	1x HYDRO UNIT M 012 (20203656)	1x HYDRO UNIT M 014 (20203659)	1x HYDRO UNIT M 016 (20203660)	1x HYDRO UNIT M 012T (20203672)	1x HYDRO UNIT M 014T (20203674)	1x HYDRO UNIT M 016T (20203678)	1x HYDRO UNIT M 018T (20194173)	1x HYDRO UNIT M 022T (20194174)	1x HYDRO UNIT M 026T (20194175)	1x HYDRO UNIT M 030T (20194176)
CODE	MODEL	Nominal power (kW)	10	12,1	14,5	15,9	12,1	14,5	15,9	18	22	26	30,1
20190069	POWER EVO-X 50 DEP	34	•	•	•	•	•	•	•				
20190070	POWER EVO-X 50	43,9		•	•	•	•	•	•	•			
20190072	POWER EVO-X 65	53,6			•	•		•	•	•	•	•	
20190073	POWER EVO-X 80	68,2								•	•	•	•

(\*) The following combinations guarantee the best energy performance; for the full list of certified hybrid systems please refer to the company declaration.

### Combinations with cascading boilers

			1x HYDRO UNIT M 018T (20194173)	1x HYDRO UNIT M 022T (20194174)	1x HYDRO UNIT M 026T (20194175)	1x HYDRO UNIT M 030T (20194176)	2x HYDRO UNIT M 018T (20194173)	2x HYDRO UNIT M 022T (20194174)	2x HYDRO UNIT M 026T (20194175)	2x HYDRO UNIT M 030T (20194176)	3x HYDRO UNIT M 018T (20194173)	3x HYDRO UNIT M 022T (20194174)
CODE	MODEL	Nominal power (kW)	18	22	26	30,1	36	44	52	60,2	54	66
20190069	2x POWER EVO-X 50 DEP	68	•	•	•	•						
20190070	2x POWER EVO-X 50	87,8		•	•	•	•					
20190072	2x POWER EVO-X 65	107,2				•	•	•	•			
20190073	2x POWER EVO-X 80	136,4					•	•	•	•	•	•

(\*) The following combinations guarantee the best energy performance; for the full list of certified hybrid systems please refer to the company declaration.

## MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

### 1.2 POWER MAX boiler-heat pump combinations (recommended)\*

#### Combinations with stand-alone boilers

			1x HYDRO UNIT M 014 (20203659)	1x HYDRO UNIT M 016 (20203660)	1x HYDRO UNIT M 014T (20203674)	1x HYDRO UNIT M 016T (20203678)	1x HYDRO UNIT M 018T (20194173)	1x HYDRO UNIT M 022T (20194174)	1x HYDRO UNIT M 026T (20194175)	1x HYDRO UNIT M 030T (20194176)	2x HYDRO UNIT M 018T (20194173)	2x HYDRO UNIT M 022T (20194174)	2x HYDRO UNIT M 026T (20194175)	2x HYDRO UNIT M 030T (20194176)	3x HYDRO UNIT M 018T (20194173)
CODE	MODEL	Nominal power (kW)	14,5	15,9	14,5	15,9	18	22	26	30,1	36	44	52	60,2	54
20128431	POWER MAX 65 P	55,7	•	•	•	•	•	•	•						
20128432	POWER MAX 80 P	67					•	•	•	•					
20128433	POWER MAX 100	88,3							•	•	•	•			
20128434	POWER MAX 110	95,3							•	•	•	•			
20128435	POWER MAX 130	109,8								•	•	•	•		•
20128436	POWER MAX 150	129									•	•	•	•	•

(\*) The following combinations guarantee the best energy performance; for the full list of certified hybrid systems please refer to the company declaration.

#### Combinations with cascading boilers

			1x HYDRO UNIT M 030T (20194176)	2x HYDRO UNIT M 018T (20194173)	2x HYDRO UNIT M 022T (20194174)	2x HYDRO UNIT M 026T (20194175)	2x HYDRO UNIT M 030T (20194176)	3x HYDRO UNIT M 018T (20194173)	3x HYDRO UNIT M 022T (20194174)	3x HYDRO UNIT M 026T (20194175)	3x HYDRO UNIT M 030T (20194176)	4x HYDRO UNIT M 030T (20194176)	5x HYDRO UNIT M 030T (20194176)	6x HYDRO UNIT M 030T (20194176)
CODE	MODEL	Nominal power (kW)	30,1	36	44	52	60,2	54	66	78	90,3	120,4	150,5	180,6
20128431	2x POWER MAX 65 P	111,4	•	•	•	•		•						
20128432	2x POWER MAX 80 P	134		•	•	•	•	•	•					
20128433	2x POWER MAX 100	176,6				•	•	•	•	•				
20128434	2x POWER MAX 110	190,6				•	•	•	•	•	•			
20128435	2x POWER MAX 130	219,6					•		•	•	•			
20128436	2x POWER MAX 150	258							•	•	•	•		
20128433	3x POWER MAX 100	264,9								•	•	•		
20128434	3x POWER MAX 110	285,9								•	•	•		
20128435	3x POWER MAX 130	329,4									•	•	•	
20128436	3x POWER MAX 150	387										•	•	•
20128433	4x POWER MAX 100	353,2									•	•	•	
20128434	4x POWER MAX 110	381,2										•	•	•
20128435	4x POWER MAX 130	439,2										•	•	•
20128436	4x POWER MAX 150	516											•	•
20128435	5x POWER MAX 130	549											•	•
20128436	5x POWER MAX 150	645												•

(\*) The following combinations guarantee the best energy performance; for the full list of certified hybrid systems please refer to the company declaration.

## 2. BOILER ACCESSORIES

### 2.1 Accessories for POWER EVO-X boiler

CODE	MODEL
<b>BOILER ACCESSORIES</b>	
1220559	Outdoor temperature probe kit with connector
20201490	LPG transformation kit (35/45 kW)
20201489	LPG transformation kit (55/70 kW)
20196701	Support frame
20190221	Shut-off cock
4031810	Condensate neutralizer N2 (up to 450 kW)
4031811	Condensate neutralizer HN2 (up to 280 kW)
<b>ACCESSORIES - STAND ALONE INSTALLATION</b>	
20195886	Connection pipe to hydraulic separator/plate heat exchanger <sup>(1)</sup>
20195884	Horizontal hydraulic separator
20195889	Internal 3 way valve kit <sup>(2)</sup>
20195890	External 3 way valve kit <sup>(3)</sup>
20195891	Delivery/return connection for direct installation
20195883	Safety kit manifold <sup>(4)</sup>
20199254	Safety valve 4,5 bar FF 3/4"x1" <sup>(5)</sup>
20195885	Cover for safety kit/hydraulic separator
20200070	Spacer kit for fixing to wall <sup>(6)</sup>
<b>ACCESSORIES - CASCADE INSTALLATION</b>	
20197000	Trains with isolation <sup>(7) (8)</sup>
20197001	Trains with isolation - B2B <sup>(7) (8)</sup>
20197005	Trains without isolation <sup>(7) (8)</sup>
20197006	Trains without isolation - B2B <sup>(7) (8)</sup>
20197634	Gas train kit for cascade installation 35-45 kW <sup>(7)</sup>
20197635	Gas train kit for cascade installation 55-70 kW <sup>(7)</sup>
20197639	Gas train kit for cascade installation 35-45 kW - B2B <sup>(7)</sup>
20197640	Gas train kit for cascade installation 55-70 kW - B2B <sup>(7)</sup>
20197007	2" 1/2 manifolds for cascade of 2 boilers
20197362	2" 1/2 manifolds for cascade of 1 boiler
20197366	Through flange kit 2" 1/2 PN6
20197367	Blind flange kit 2" 1/2 PN6
20197364	Condensate outlet kit for cascade boiler
20196449	Stub kit for safety device housing 2" 1/2
20197642	Hydraulic separator kit 2" 1/2
20071190	Safety kit <sup>(9)</sup>
20197368	Safety valve up to 400 kW (4,5 bar)
20009486	Fuel shut-off valve (VIC) - ØG.1" <sup>(10) (12)</sup>
20009482	Fuel shut-off valve (VIC) - ØG.1" 1/2 <sup>(11) (12)</sup>
20197363	Manifolds and ramps cover for stand alone boiler
20129765	Fixed split system kit Ø80 mm 20129765
20197070	Adapter Ø80 to Ø110 mm
20196319	Ø80/110 mm - Rainproof vertical adapter 20196319
20137506	90° Ø80 mm bend
20137538	Air-intake kit B23
20062338	Cascade terminal Ø160 mm with condensate drain
20197583	Collector Ø160 mm for 1 boiler
20197582	Y-fitting Ø160/160 mm
20200265	Cascade and zone remote control <sup>(13)</sup>

(1) Prearranged for coupling with safety valve code 20199254.

## MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

- (2) Can be combined with models 35-45 kW.
- (3) Can be combined with plate heat exchanger kit for single boiler for DHW production.
- (4) It contains a thermometer, pressure gauge, relief valve, safety pressure switch and VIC valve.
- (5) Can be used in Italy in combination with the 35kW model only.
- (6) Kit required for concentric rear wall outlet for 55-70 kW models.
- (7) To be ordered for each storage tank in the cascade system (qty = no. boilers).
- (8) Does not include the gas train
- (9) Does not include the relief valve and VIC.
- (10) Recommended up to maximum output of 131 kW, calculated considering gas supply pressure = 20 mbar.
- (11) Recommended up to maximum output of 230 kW, calculated considering gas supply pressure = 20 mbar.
- (12) Intervention temperature 97 °C - Capillary length 5 m.
- (13) Allows management of: cascade system, solar thermal and up to 6 independent direct/mixed zones.

### 2.2 Accessories for POWER MAX boiler

CODE	MODEL
<b>BOILER ACCESSORIES</b>	
20132778	External probe
20133102	Condensate outlet kit for stand alone boiler
20125034	Injection pump kit POWER MAX 100 - 110 - 130 (115 Hi) <sup>(1) (2)</sup>
20125035	Injection pump kit POWER MAX 130 <sup>(1) (2)</sup>
20125040	High head injection pump POWER MAX 150 <sup>(1) (4)</sup>
20131898	Stub kit with safety devices for stand alone boiler 65 to 150 <sup>(5)</sup>
20190221	Shut-off cock 1" ½
20131663	Frame kit for FRONT/B2B cascade <sup>(6)</sup>
20131664	Frame conversion kit for B2B cascade <sup>(6)</sup>
4031811	HN2 neutraliser kit up to 280 kW <sup>(7) (8)</sup>
4031810	N2 neutraliser kit up to 450 kW <sup>(7)</sup>
4031812	N3 neutraliser kit 450 to 1500 kW <sup>(7)</sup>
4031813	HN3 neutraliser kit 280 to 750 kW <sup>(7) (8)</sup>
<b>ACCESSORIES - STAND ALONE INSTALLATION</b>	
20131897	Horizontal hydraulic separator kit for POWER MAX stand alone boiler
20136823	Delivery/return fitting kit for direct installation (without hydraulic separator) <sup>(9)</sup>
20131665	Conversion kit C type for POWER MAX 65 P - 80 P
20131668	Conversion kit C type for POWER MAX 100 - 110 - 130 (115 Hi) - 150
20131270	Spacer kit for fixing to wall <sup>(10)</sup>
20133224	Cover for safety kit/hydraulic separator unit for POWER MAX stand alone boiler
20132366	Kit remote control POWER MAX (11)
<b>ACCESSORIES - CASCADE INSTALLATION</b>	
20175716	Primary sensor <sup>(12)</sup>
20131267	Condensate outlet kit for cascade boiler <sup>(13)</sup>
20130658	Trains without isolation for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <sup>(14)</sup>
20131122	Trains with isolation for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 (14) (18)
20131121	Trains without isolation for POWER MAX 150 (external pump) <sup>(15)</sup>
20131123	Trains without isolation for POWER MAX 150 (external pump) <sup>(15) (18)</sup>
20131787	Trains without isolation for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 B2B <sup>(16)</sup>
20131789	Trains without isolation INAIL per POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 B2B <sup>(16) (18)</sup>
20131788	Trains without isolation for POWER MAX 150 (external pump) B2B <sup>(17)</sup>
20131790	Trains without isolation for POWER MAX 150 (external pump) B2B <sup>(17) (18)</sup>
20133220	Hydraulic manifold kit 3" flanged DN80 + GAS 2" threaded - for 1 frame <sup>(19)</sup>
20130220	Hydraulic manifold kit 3" flanged DN80 + GAS 2" threaded - for 2 frames (up to 485 kW) <sup>(20)</sup>
20130221	Hydraulic manifold kit 3" flanged DN80 + GAS 2" threaded - for 3 frames (up to 485 kW) <sup>(20)</sup>
20130222	Hydraulic manifold kit 5" flanged DN125 + GAS 3" threaded DN80 - for 2 frames (over 485 kW) <sup>(21)</sup>
20130223	Hydraulic manifold kit 5" flanged DN125 + GAS 3" threaded DN80 - for 3 frames (over 485 kW) <sup>(21)</sup>
20132377	Manifolds and ramps cover kit - for single POWER MAX in cascade application
20070903	Closing plug kit 3" <sup>(22)</sup>
20082190	Through flange kit 3"

# MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

CODE	MODEL
20070907	Closing plug kit 5" <sup>(22)</sup>
20082191	Through flange kit 5"
20070910	Stub kit for housing 3" safety device <sup>(23)</sup>
20070912	Stub kit for housing 5" safety device <sup>(23)</sup>
20071190	Safety kit (safety valve not included and VIC)
20023104	Safety valve up to 460 kW (5,4 bar 3/4" F)
20023106	Safety valve up to 580 kW (5,4 bar 1" F)
20009486	Fuel shut-off valve (VIC) - Ø G.1" - TS=97°C - Capillare L=5 m <sup>(24)</sup>
20009482	Fuel shut-off valve (VIC) - Ø G.1" 1/2 - TS=97°C - Capillare L=5 m <sup>(25)</sup>
20009483	Fuel shut-off valve (VIC) - Ø G.2" - TS=97°C - Capillare L=5 m <sup>(26)</sup>
20061640	Fuel shut-off valve (VIC) - Ø G.3" - TS=97°C - Capillare L=5 m <sup>(27)</sup>
20131238	Adapter Ø80/110 mm <sup>(35) (28)</sup>
20062338	Cascade terminal Ø160 mm with condensate outlet
20131266	Collector array Ø160 mm for 1 boiler
20132391	Eccentric adapter Ø160/200 mm
20132381	Y fitting Ø160 / Ø160 (only available with B2B configuration)
20132384	Y fitting Ø160 / Ø200 (only available with B2B configuration)

(1) For POWER MAX 65 P - 80 P models the pump is already present in the boiler.

(2) The pump, which can be housed in the boiler, offers a high residual head on POWER MAX 100-110 and with these boilers is also suitable in combination with the plate heat exchanger. If the pump is used with POWER MAX 130 (115 Hi), it can be combined with the hydraulic separator but not with the plate heat exchanger.

(3) When combined with POWER MAX 150, this circulation pump can be mounted inside the boiler and offers a very low residual head (10 mbar). It must ONLY be used in combination with the horizontal hydraulic separator code: 20131897.

(4) This circulation pump cannot be mounted inside the boiler, it must be installed beneath the boiler.

(5) Includes all the safety devices, including safety valve and VIC mandatory for the Italian market.

(6) The frame is necessary in case of installation with plate exchanger; if the frame kit is not fixed to the wall, it is necessary to buy also the kit for the use of the front and back frame code 20131664.

(7) Availability of the material at our warehouse: 30 working days from the order receipt date.

(8) Equipped with extraction pumps.

(9) Kit compatible with all POWER MAX models in case of presence of kit and without the need of hydraulic separator

(10) Kit necessary for wall rear concentric exhaust.

(11) Necessary for hourly programming of the heater and for programming of zones (also those managed by the additional zone kits)

(12) No.1 pc. for each cascade system, to be connected to the main boiler, i.e. the one that controls the cascade system

(13) To be ordered for each storage tank in the cascade system (qty = no. boilers)

(14) To be ordered for each manifold-side boiler with pump or valve installed inside the boiler.

(15) To be ordered for each manifold-side boiler with pump or valve installed outside the boiler.

(16) To be ordered for each boiler opposite the manifolds with pump or valve installed inside the boiler.

(17) To be ordered for each boiler opposite the manifolds with pump or valve installed outside the boiler.

(18) The kits allow you to bypass the single thermal unit to proceed with its maintenance while the other thermal units continue to operate

(19) To be used for the BACK TO BACK configuration with no. 2 BOILERS; includes 3" flanged DN80 delivery/return manifolds, 2" threaded gas manifold, condensate outlet manifold.

(20) For use with maximum power up to 485 kW; includes 3" flanged DN80 delivery/return manifolds, 2" threaded gas manifold, condensate outlet manifold.

(21) For use with maximum power exceeding 485 kW; includes 5" flanged DN125 delivery/return manifolds, 3" flanged DN80 gas manifold, condensate outlet manifold.

(22) They allow the closure, on one side, of the gas collector and the two hydraulic collectors

(23) Intended for use in cascade systems without primary circuit circulating pump

(24) Recommended up to maximum output of 131 kW, calculated considering gas supply pressure = 20 mbar.

(25) Recommended up to maximum output of 230 kW, calculated considering gas supply pressure = 20 mbar.

(26) Recommended up to maximum output of 580 kW, calculated considering gas supply pressure = 20 mbar.

(27) Recommended up to maximum output of 1150 kW, calculated considering gas supply pressure = 20 mbar.

(28) Only necessary for the models POWER MAX 65 P - 80 P

## MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

### 3. ACCESSORIES TO COMPLETE THE SYSTEM

#### 3.1 Heat pump accessories

CODE	MODEL
20194933	Temperature probe for balancing tanks or zone 2 flow temperature or solar temperature

#### 3.2 DHW heater accessories

CODE	MODEL
20055206	Electric anode kit 1/2" <sup>(1)</sup>
20123850	Thermometer kit for DHW heater <sup>(1)</sup>
20123851	Curve kit for electronic anode <sup>(1)</sup>
4383504	Solar heat exchanger for IDRA HP 300 <sup>(2)</sup>
4383505	Solar heat exchanger for IDRA HP 500 <sup>(3)</sup>
20203248	Solar heat exchanger 0,8 m <sup>2</sup> per C-HP 150-300
20203246	Solar heat exchanger 1,2 m <sup>2</sup> per C-HP 500
20203245	Solar heat exchanger 1,9 m <sup>2</sup> per C-HP 800-1000

(1) Accessories for DHW heater of the IDRA DS series

(2) Accessories for DHW heater of the IDRA HP 300

(3) Accessories for DHW heater of the IDRA HP 500

### 4. Hi, COMFORT CONTROLS

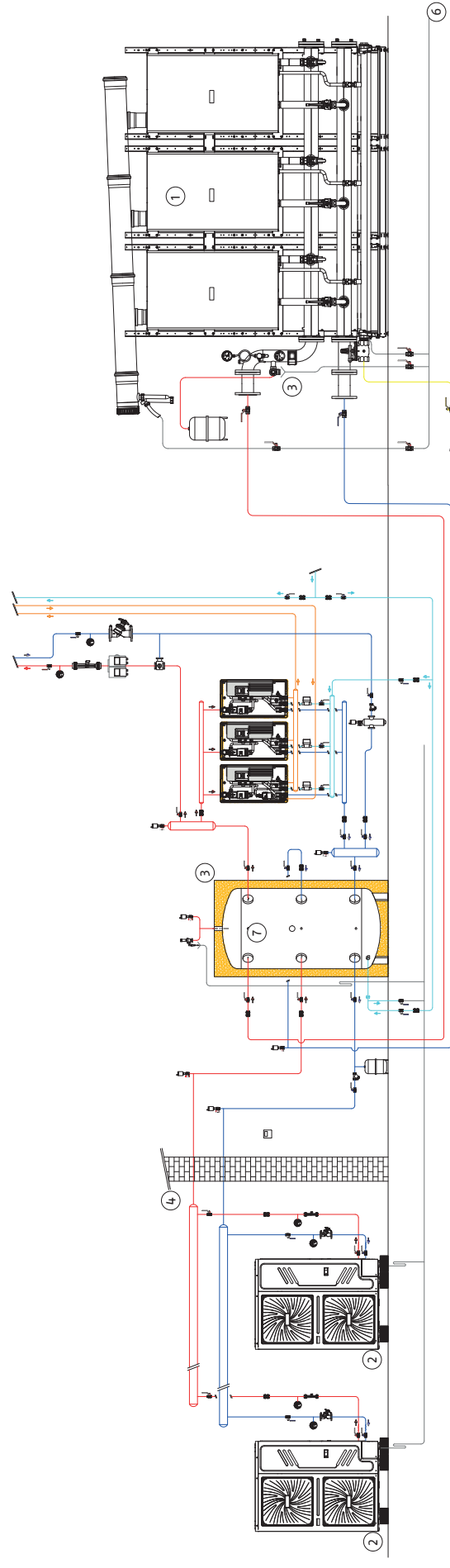
#### 3.1 Heat pump accessories

CODE	MODEL
20193354	Hi, Comfort T100 Wi-Fi <sup>(1)</sup>
20193352	Hi, Comfort T100 Wi-Fi <sup>(2)</sup>

(1) With Hi, Comfort G100-W, included, for intranet connection by means of ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for internet connection via home ADSL modem).

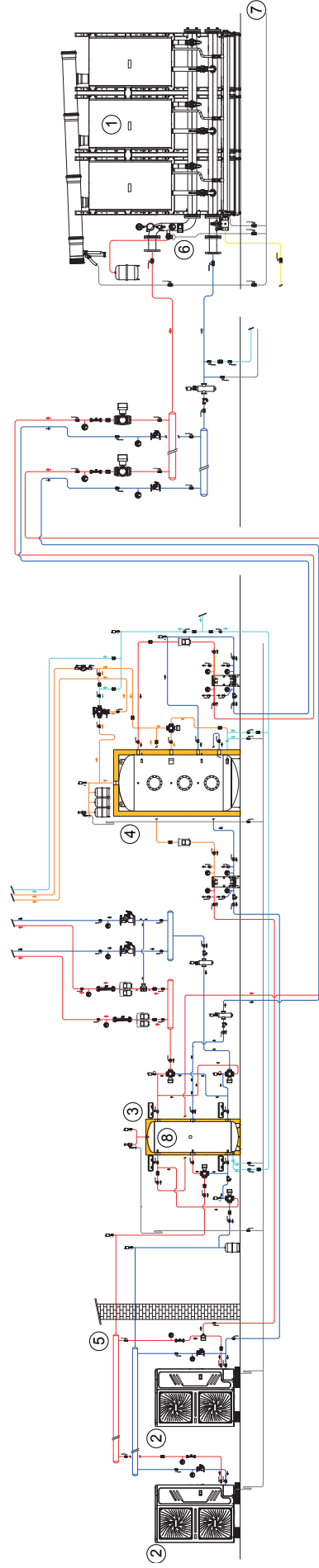
## BIVALENT HEATING SYSTEM WITH HEAT PUMP AND BOILER



- 1 Condensing boiler POWER EVO-X / POWER MAX
- 2 Heat pump HYDRO UNIT M 010-÷-16 or HYDRO UNIT M 018-÷-030
- 3 Storage tank
- 4 External sensor for boiler thermoregulation
- 5 Safety stub
- 6 Condensate outlet
- 7 System sensor + cascade sensor + storage tank sensor

## MONOBLOC WALL-HUNG HYBRID SYSTEM "MAX"

BIVALENT HEATING AND DHW PRODUCTION SYSTEM COMBINED WITH HEAT PUMP, BOILER AND SINGLE COIL STORAGE TANK



8 Condensing boiler POWER EVO-X / POWER MAX

9 Heat pump HYDRO UNIT M 010÷16 or HYDRO UNIT M 018÷030

10 Storage tank

11 DHW storage tank

12 External sensor for thermoregulation (supplied with the PdC)

13 Safety stub



14 Condensate outlet



A+ SYSTEM

- The system consists of 3 basic components: combined condensing boiler, EXCLUSIVE AGILE R32 heat pump and REC10 MH user interface (optional)
- The multi-energy hybrid system is suitable for room heating and domestic hot water production
- Possibility of solar integration
- Simple and intuitive REC10 I control with large backlit display, which allows the full parametrisation of the system as well as displaying the operating status
- Wide range of accessories

## Wall-hung combined boilers

CODE MTN <sup>(1)</sup>	MODEL	DIMENSIONS H x L x D (mm)	HEAT OUTPUT HEAT. /DOMESTIC WATER Min - Max (kW)	DOMESTIC WATER (l/min-Δt 25°C)	CLASS 	
<b>INSTANTANEOUS COMBINED</b>						
20187794	EXCLUSIVE X 25 C <sup>(1) (2) (3)</sup>	740 x 420 x 275	3,6 - 20 / 3,6 - 25	15,1	A	A
20187795	EXCLUSIVE X 30 C <sup>(1) (3)</sup>	740 x 470 x 350	4,9 - 25 / 4,9 - 30	18,1	A	A
20187796	EXCLUSIVE X 35 C <sup>(1) (3)</sup>	740 x 470 x 350	4,9 - 32 / 4,9 - 34,6	20,8	A	A
20149446	MYNUTE X 25 C	740 x 420 x 275	3,6 - 20 / 3,6 - 25	15,1	A	A
20149447	MYNUTE X 30 C	740 x 420 x 350	4,9 - 25 / 4,9 - 30	18,1	A	A
20149448	MYNUTE X 35 C	740 x 420 x 350	4,9 - 30 / 4,9 - 34,6	20,8	A	A
20191298	METEO X 25C <sup>(4)</sup>	740 x 420 x 275	3,1 - 20 / 3,1 - 25	14,3	A	A
20191299	METEO X 30C <sup>(4)</sup>	740 x 420 x 275	3,95 - 25 / 3,95 - 30	17,2	A	A

(1) Boilers in which gas switch-over, thanks to the new ACC combustion system, is carried out through electronic settings.























(2) BOX built-in boilers code 1103289.

(3) Boilers already equipped with a control panel for managing REC10 MH hybrid systems integrated directly into the boiler, which can also be wall-mounted using a remote control accessory.

(4) Boilers already equipped with a control panel REC10 MH for managing hybrid systems, integrated directly into the boiler, which can also be installed on the wall using a remote control accessory.

# RES B COMBI WALL-HUNG SPLIT HYBRID SYSTEM

## Wall-hung split heat pumps

CODE	DESCRIPTION	DIMENSIONS H x L x D (mm)	HEATING				COOLING				CLASS	
			Floor <sup>(1)</sup>		Fan coils <sup>(2)</sup>		Floor <sup>(3)</sup>		Fan coils <sup>(4)</sup>			
			Nominal output (kW)	COP	Nominal output (kW)	COP	Nominal output (kW)	EER	Nominal output (kW)	EER	 <sup>(5)</sup>	 <sup>(6)</sup>
WITHOUT ON BOARD BACK UP HEATER												
20205784	SET EXCLUSIVE AGILE 4 KW M	712 x 1008 x 426 (UE)	4,25	5,20	4,35	3,80	4,50	5,55	4,70	3,45		
20205786	SET EXCLUSIVE AGILE 6 KW M	712 x 1008 x 426 (UE)	6,20	5,00	6,35	3,75	6,55	4,90	7,00	3,00		
20205788	SET EXCLUSIVE AGILE 8 KW M	865 x 1118 x 523 (UE)	8,30	5,20	8,20	3,95	8,40	5,05	7,40	3,38		
20205791	SET EXCLUSIVE AGILE 10 KW M	865 x 1118 x 523 (UE)	10,00	5,00	10,00	3,80	10,00	4,80	8,20	3,30		
20205793	SET EXCLUSIVE AGILE 12 KW M	865 x 1118 x 523 (UE)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75		
20205800	SET EXCLUSIVE AGILE 14 KW M	865 x 1118 x 523 (UE)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55		
20205802	SET EXCLUSIVE AGILE 16 KW M	865 x 1118 x 523 (UE)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45		
20205804	SET EXCLUSIVE AGILE 12 KW T	865 x 1118 x 523 (UE)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75		
20205806	SET EXCLUSIVE AGILE 14 KW T	865 x 1118 x 523 (UE)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55		
20205809	SET EXCLUSIVE AGILE 16 KW T	865 x 1118 x 523 (UE)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45		

The performance is in accordance with standards EN 14511 and EN 14825.

(1) External air temperature 7°C D.B., 6°C W.B.; water inlet/outlet 30/35°C.

(2) External air temperature 7°C D.B., 6°C W.B.; water inlet/outlet 40/45°C.

(3) External air temperature 35°C; water inlet/outlet 23/18°C.

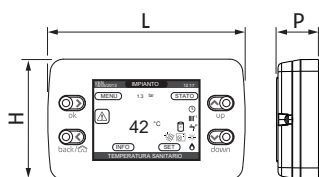
(4) External air temperature 35°C; water inlet/outlet 12/7°C.

(5) Value referred to the Average climate profile for delivery temperature of 35 °C. Values in accordance with Regulation 811/2013.

(6) Value referred to the Average climate profile for delivery temperature of 55 °C. Values in accordance with Regulation 811/2013.

# RES B COMBI WALL-HUNG SPLIT HYBRID SYSTEM

## REC10 MH control



DESCRIPTION	DIMENSIONS H x L x D (mm)	NET WEIGHT (kg)
REC10 MH CONTROL	90 x 146 x 32	0,15

Note: The REC10MH panel manages the operation of the new heat pump in a hybrid system.

## Double-coil heaters (compatible with kit A)




CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>DOUBLE-COIL HEATERS</b>					
20117881	IDRA DS 200	1338 x 604	208 double coil	62	
20117882	IDRA DS 300	1838 x 604	301 double coil	69	
20117883	IDRA DS 430	1644 x 755	430 double coil	75	

## Single-coil heaters (compatible with under-boiler kit and kit B)

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>SINGLE-COIL HEATERS FOR HEAT PUMP</b>					
20117745	IDRA HP 300	1615 x 600	263 single-coil	85	
20117746	IDRA HP 500	1690 x 750	470 single-coil	112	
20204198	IDRA C-HP 150 MS	1138 x 604	170 single-coil	55	
20204200	IDRA C-HP 200 MS	1354 x 604	210 single-coil	58	
20204202	IDRA C-HP 300 MS	1838 x 604	305 single-coil	68	
20204204	IDRA C-HP 500 MS	1793 x 755	500 single-coil	84	

## RES B COMBI WALL-HUNG SPLIT HYBRID SYSTEM

### Inertial buffer tanks (compatible with under-boiler kit and kits A, B and C)

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>SINGLE-COIL HEATERS FOR HEAT PUMP</b>					
20171999	STOR H 50 - 50-litre inertial buffer tank <sup>(1)</sup>	H x L x D 1080 x 470 x 250	50	-	-
20142300	STOR H 100 - 100-litre technical hot/cold tank kit <sup>(1)</sup>	H x L x P 920 x 500 x 450	100	-	-
20056180	STOR H 200	1395 x 550	203	68	
20056181	STOR H 300	1560 x 600	277	82	

(1) Provide at least 3,5 litres per kW of heat pump cooling output.

### Solar collectors (for kit A only)

CODE	DESCRIPTION	MODEL
20201328	FLAT COLLECTOR 2,5 m <sup>2</sup>	SCF-25/4B A
20201335	FLAT COLLECTOR 2 m <sup>2</sup>	SCF-20/4B A

Note: for bracket codes and glycol refer to the solar thermal section.

## GUIDE TO SYSTEM CONFIGURATION



## 1. BOILER-HEAT PUMP COMBINATIONS

## 2. WALL-HUNG BOILER ACCESSORIES

## 3. ACCESSORIES TO COMPLETE THE SYSTEM

## 3.1 Connect Hybrid

## 3.2 Built-in installation for Connect Hybrid

## 3.3 Hydraulic accessories

## 3.4 Electrical accessories

## 1. BOILER-HEAT PUMP COMBINATIONS (RECOMMENDED)\*

Wall-hung boilers		Heat pumps									
INSTANTANEOUS COMBINED HEATING AND DOMESTIC WATER VERSION		Single-phase						Three-phase			
		SET EXCLUSIVE AGILE 4 KW M	SET EXCLUSIVE AGILE 6 KW M	SET EXCLUSIVE AGILE 8 KW M	SET EXCLUSIVE AGILE 10 KW M	SET EXCLUSIVE AGILE 12 KW M	SET EXCLUSIVE AGILE 14 KW M	SET EXCLUSIVE AGILE 16 KW M	SET EXCLUSIVE AGILE 12 KW T	SET EXCLUSIVE AGILE 14 KW T	SET EXCLUSIVE AGILE 16 KW T
CODE	MODEL	20205784	20205786	20205788	20205791	20205793	20205800	20205802	20205804	20205806	20205809
20187794	EXCLUSIVE X 25 C	•	•	•	•						
20187795	EXCLUSIVE X 30 C	•	•	•	•						
20187796	EXCLUSIVE X 35 C	•	•	•	•	•	•	•	•	•	•
20163564	MYNUTE X 25 C	•	•	•	•						
20163565	MYNUTE X 30 C	•	•	•	•						

## RES B COMBI WALL-HUNG SPLIT HYBRID SYSTEM

Wall-hung boilers		Heat pumps									
INSTANTANEOUS COMBINED HEATING AND DOMESTIC WATER VERSION		Single-phase						Three-phase			
		SET EXCLUSIVE AGILE 4 KW M	SET EXCLUSIVE AGILE 6 KW M	SET EXCLUSIVE AGILE 8 KW M	SET EXCLUSIVE AGILE 10 KW M	SET EXCLUSIVE AGILE 12 KW M	SET EXCLUSIVE AGILE 14 KW M	SET EXCLUSIVE AGILE 16 KW M	SET EXCLUSIVE AGILE 12 KW T	SET EXCLUSIVE AGILE 14 KW T	SET EXCLUSIVE AGILE 16 KW T
CODE	MODEL	20205784	20205786	20205788	20205791	20205793	20205800	20205802	20205804	20205806	20205809
20163566	MYNUTE X 35 C	•	•	•	•	•	•	•	•	•	•
20191298	METEO X 25C	•	•	•	•						
20191299	METEO X 30C	•	•	•	•						

(\*) The following combinations guarantee the best energy performance; for the full list of certified hybrid systems please refer to the company declaration. Combine the built-in box code 20130808 only with CONNECT HYBRID code 20130801, 20130802 and 20130803.

## 2. WALL-HUNG BOILER ACCESSORIES

CODE	DESCRIPTION
<b>Accessories</b>	
20016681	EDILBOX built-in box <sup>(1)</sup>
1103289	BOX for recessed IN-BOX installation
20156799	Combined MYNUTE X frost protection heating element kit (down to -15°C)
20132005	Wall-mounted hydraulic connections and gas tap kit
20133516	Wall-mounted hydraulic connections and heating, gas and DHW taps kit
20134477	Connections kit for IN-BOX installation for EXCLUSIVE X - MYNUTE X
20196582	Rigid ramps for EDILBOX - 25 kW <sup>(5)</sup>
20196580	Rigid ramps for BOX GREEN - 25 kW <sup>(5)</sup>
20196581	Rigid ramps for BOX GREEN - 30 kW <sup>(5)</sup>
20191518	Kit polyphosphates dispenser (compact)
20191517	Kit magnetic filter (compact)

(1) BOX compatible with Mynute X 25 C via specific accessory kit for built-in code 20196582.

(2) Paintable box.

(3) The front of the BOX (door) protrudes 26 mm from the recessed frame.

(4) BOX compatible with Mynute X 25 C and Mynute X 30 C respectively through the specific accessory kits for built-in cod. 20196580 and 20196581.

(5) The 'RIGID RAMPS' kits must be used in conjunction with the accessories Compact magnetic filter kit cod. 20191517 and Polyphosphate dosing compact kit cod. 20191518.

### 3. ACCESSORIES TO COMPLETE THE SYSTEM

#### 3.1 Connect Hybrid

CODE	DESCRIPTION	ZONES	DIMENSIONS H x W x D (mm)
20130801	CONNECT HYBRID 1D <sup>(1)</sup>	1 direct zone	see BOX
20130802	CONNECT HYBRID 2D <sup>(1)</sup>	2 direct zones	see BOX
20130803	CONNECT HYBRID AT/BT <sup>(1)</sup>	1AT/BT (motorized)	see BOX

(1) Supplied without built-in Box (code 20130808), for the installation it is necessary to purchase it.

#### 3.2 Built-in installation for Connect Hybrid

CODE	DESCRIPTION
20130808	BOX (also for built-in installation) for CONNECT HYBRID <sup>(1)</sup>
20131752	Cock Kit for CONNECT HYBRID

(1) Paintable box.

#### 3.3 Hydraulic accessories

CODE	DESCRIPTION
20035644	Solar diverter mixing valve
20116162	7.5 m CONNECT SOLAR R - only return hydraulic group
20175281	1" Y water filter
20165227	Hybrid hydr. distr. hydraulic module 1 DIR
20203742	1" & 1 ¼" DHW diverting valve without temperature probe

#### 3.4 Electrical accessories

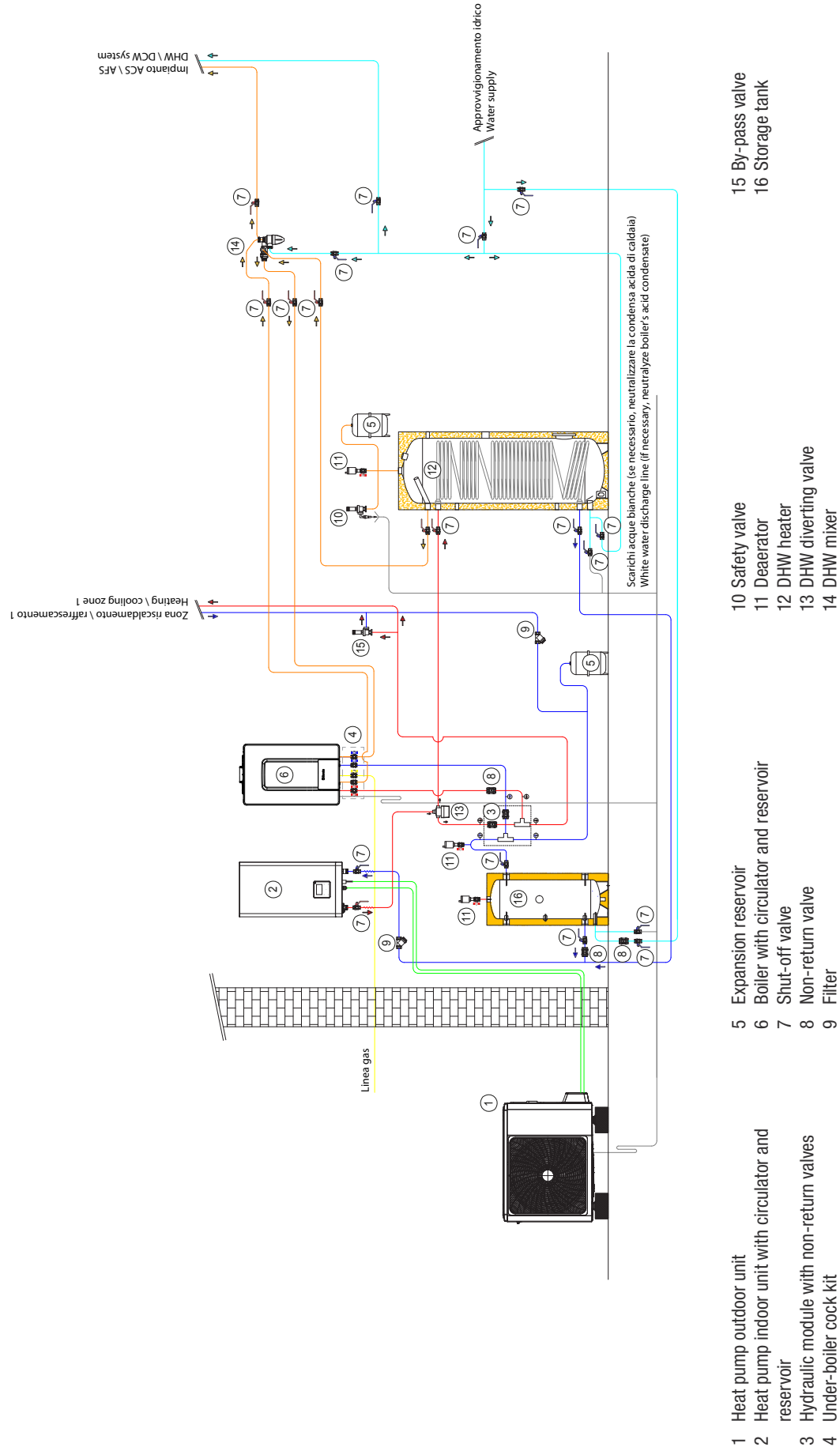
CODE	DESCRIPTION
20168672	Solar thermal unit interface kit <sup>(1)</sup>
1220559	Outdoor temperature probe kit with connector <sup>(1)</sup>

(1) Allows visualization of the operating status of the solar system on the REC10 MH system interface.

## RES B COMBI WALL-HUNG SPLIT HYBRID SYSTEM

### EXAMPLES OF SYSTEM WITH SPLIT HYBRID SYSTEM

#### ONE-ZONE HEATING, COOLING AND DHW PRODUCTION SYSTEM COMBINED WITH SPLIT HEAT PUMP AND BOILER







## RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM



A+ SYSTEM

- The system consists of 3 basic components: heating-only condensing boiler, EXCLUSIVE AGILE R32 heat pump and REC10 MH user interface (optional)
- The multi-energy hybrid system is suitable for room heating and domestic hot water production
- Possibility of solar integration
- Simple and intuitive REC10 MH control with large backlit display, which allows the full parametrisation of the system as well as displaying the operating status
- Wide range of accessories

## Heating-only condensing boilers (compatible with under-boiler kit and kits D and E)





CODE MTN <sup>(1)</sup>	MODEL	DIMENSIONS H x L x D (mm)	HEAT OUTPUT HEAT. /DOMESTIC WATER Min - Max (kW)	CLASS  	
<b>HEATING-ONLY VERSION</b>					
20187800	EXCLUSIVE X 25 R <sup>(1) (3)</sup>	740 x 420 x 275	3,6 - 20 / 3,6 - 25	A	-
20187797	EXCLUSIVE X 35 R <sup>(1) (2) (3)</sup>	740 x 470 x 350	4,9-32 / 4,9 - 34,6	A	-
20149450	MYNUTE X 20 R	740 x 420 x 275	3,6 - 20 / 3,6 - 20	A	-
20149451	MYNUTE X 30 R <sup>(2)</sup>	740 x 420 x 350	4,9 - 30 / 4,9 - 34,6	A	-
20149452	MYNUTE X 40 R <sup>(2)</sup>	740 x 420 x 350	4,9 - 30 / 4,9 - 40	A	-

(1) In EXCLUSIVE R boilers gas switch-over, thanks to the new ACC combustion system, is carried out through electronic settings.

(2) Models that cannot be built in the BOX code 1103289.





















(3) Boilers already equipped with a control panel for managing REC10 MH hybrid systems integrated directly into the boiler, which can also be wall-mounted using a remote control accessory.

## Wall-hung split heat pumps





















CODE	DESCRIPTION	DIMENSIONS H x W x P (mm)	HEATING				COOLING				CLASS	
			Floor system <sup>(1)</sup>		Fan coils <sup>(2)</sup>		Floor system <sup>(3)</sup>		Fan coils <sup>(4)</sup>			
			Heating capacity (kW)	COP	Heating capacity (kW)	COP	Cooling capacity (kW)	EER	Cooling capacity (kW)	EER	 <sup>(5)</sup>	 <sup>(6)</sup>
WITHOUT ON BOARD BACK UP HEATER												
20205784	SET EXCLUSIVE AGILE 4 KW M	712x1008x426 (ODU)	4,25	5,20	4,35	3,80	4,50	5,55	4,70	3,45		

■ >> NEW

# RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM

CODE	DESCRIPTION	DIMENSIONS H x W x P (mm)	HEATING				COOLING				CLASS	
			Floor system <sup>(1)</sup>		Fan coils <sup>(2)</sup>		Floor system <sup>(3)</sup>		Fan coils <sup>(4)</sup>			
			Heating capacity (kW)	COP	Heating capacity (kW)	COP	Cooling capacity (kW)	EER	Cooling capacity (kW)	EER	 <sup>(5)</sup>	 <sup>(6)</sup>
20205786	SET EXCLUSIVE AGILE 6 KW M	712x1008x426 (ODU)	6,20	5,00	6,35	3,75	6,55	4,90	7,00	3,00		
20205788	SET EXCLUSIVE AGILE 8 KW M	865x1118x523 (ODU)	8,30	5,20	8,20	3,95	8,40	5,05	7,40	3,38		
20205791	SET EXCLUSIVE AGILE 10 KW M	865x1118x523 (ODU)	10,00	5,00	10,00	3,80	10,00	4,80	8,20	3,30		
20205793	SET EXCLUSIVE AGILE 12 KW M	865x1118x523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75		
20205800	SET EXCLUSIVE AGILE 14 KW M	865x1118x523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55		
20205802	SET EXCLUSIVE AGILE 16 KW M	865x1118x523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45		
20205804	SET EXCLUSIVE AGILE 12 KW T	865x1118x523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75		
20205806	SET EXCLUSIVE AGILE 14 KW T	865x1118x523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55		
20205809	SET EXCLUSIVE AGILE 16 KW T	865x1118x523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45		

## WITH ON BOARD BACK UP HEATER

20205785	SET EXCLUSIVE AGILE 4 KW M BH	712x1008x426 (ODU)	4,25	5,20	4,35	3,80	4,50	5,55	4,70	3,45		
20205787	SET EXCLUSIVE AGILE 6 KW M BH	712x1008x426 (ODU)	6,20	5,00	6,35	3,75	6,55	4,90	7,00	3,00		
20205789	SET EXCLUSIVE AGILE 8 KW M BH	865x1118x523 (ODU)	8,30	5,20	8,20	3,95	8,40	5,05	7,40	3,38		
20205792	SET EXCLUSIVE AGILE 10 KW M BH	865x1118x523 (ODU)	10,00	5,00	10,00	3,80	10,00	4,80	8,20	3,30		
20205794	SET EXCLUSIVE AGILE 12 KW M BH	865x1118x523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75		
20205801	SET EXCLUSIVE AGILE 14 KW M BH	865x1118x523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55		
20205803	SET EXCLUSIVE AGILE 16 KW M BH	865x1118x523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45		
20205805	SET EXCLUSIVE AGILE 12 KW T BH	865x1118x523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75		
20205807	SET EXCLUSIVE AGILE 14 KW T BH	865x1118x523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55		
20205810	SET EXCLUSIVE AGILE 16 KW T BH	865x1118x523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45		

The performance is in accordance with standards EN 14511 and EN 14825.

(1) External air temperature 7°C D.B., 6°C W.B.; water inlet/outlet 30/35°C.

(2) External air temperature 7°C D.B., 6°C W.B.; water inlet/outlet 40/45°C.

(3) External air temperature 35°C; water inlet/outlet 23/18°C.

(4) External air temperature 35°C; water inlet/outlet 12/7°C.

(5) Value referred to the Average climate profile for delivery temperature of 35 °C. Values in accordance with Regulation 811/2013.

(6) Value referred to the Average climate profile for delivery temperature of 55 °C. Values in accordance with Regulation 811/2013.

Note: "BH" sets are provided with an on board back up heater of 3 kW, in mono phase units, and 9 kW, in tri phase units.

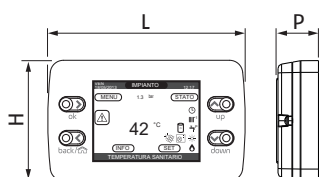
# RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM

## Hybrid system management controls

CODE	MODEL
20193922	REC10 MH <sup>(1)</sup> hybrid system management control

(1) The REC10 MH panel allows managing the operation of your new heat pump in a hybrid system.

## REC10 MH control



DESCRIPTION	DIMENSIONS H x L x D (mm)	NET WEIGHT (kg)
REC10 MH CONTROL	90 x 146 x 32	0,15

Note: The REC10MH panel manages the operation of the new heat pump in a hybrid system.

## Double-coil heaters





CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>DOUBLE-COIL HEATERS</b>					
20117881	IDRA DS 200	1338 X 604	208 double coil	62	
20117882	IDRA DS 300	1838 X 604	301 double coil	69	
20117883	IDRA DS 430	1644 x 755	430 double coil	75	

## Single-coil heaters





CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>SINGLE-COIL HEATERS FOR HEAT PUMP</b>					
20117745	IDRA HP 300	1615 x 600	263 single-coil	85	
20117746	IDRA HP 500	1690 x 750	470 single-coil	112	
20204198	IDRA C-HP 150 MS	1138 x 604	170 single-coil	55	

>> NEW

## RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
20204200	IDRA C-HP 200 MS	1354 x 604	210 single-coil	58	
20204202	IDRA C-HP 300 MS	1838 x 604	305 single-coil	68	
20204204	IDRA C-HP 500 MS	1793 x 755	500 single-coil	84	

### Inertial buffer tanks

CODE	MODEL	DIMENSIONS H x Ø (mm)	HEATER CAPACITY (litres)	DISPERSION (W)	CLASS 
<b>SINGLE-COIL HEATERS FOR HEAT PUMP</b>					
20171999	STOR H 50 - 50-litre inertial buffer tank <sup>(1)</sup>	H x L x D 1080 x 470 x 250	54	-	
20142300	STOR H 100 - 100-litre technical hot/cold tank kit <sup>(1)</sup>	H x L x P 920 x 500 x 450	100	-	-
20056180	STOR H 200	1395 x 550	203	68	
20056181	STOR H 300	1560 x 600	277	82	

(1) Provide at least 3.5 litres per kW of heat pump cooling output.

### Solar collectors

CODE	DESCRIPTION	MODEL
20184340	FLAT COLLECTOR 2,5 m <sup>2</sup>	SCF-25/4B
20095379	FLAT COLLECTOR 2 m <sup>2</sup>	SCF-20B

Note: for bracket codes and glycol refer to the solar thermal section.

# RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM

## GUIDE TO SYSTEM CONFIGURATION



### 1. BOILER-HEAT PUMP COMBINATIONS

### 2. WALL-HUNG BOILER ACCESSORIES

### 3. ACCESSORIES TO COMPLETE THE SYSTEM

#### 3.1 Connect Hybrid

#### 3.2 Built-in installation for Connect Hybrid

#### 3.3 Hydraulic accessories

#### 3.4 Electrical accessories

## 1. BOILER-HEAT PUMP COMBINATIONS (RECOMMENDED)\*

Wall-hung boilers		Heat pumps									
INSTANTANEOUS COMBINED HEATING AND DOMESTIC WATER VERSION		Single-phase						Three-phase			
		SET EXCLUSIVE AGILE 4 KW M	SET EXCLUSIVE AGILE 6 KW M	SET EXCLUSIVE AGILE 8 KW M	SET EXCLUSIVE AGILE 10 KW M	SET EXCLUSIVE AGILE 12 KW M	SET EXCLUSIVE AGILE 14 KW M	SET EXCLUSIVE AGILE 16 KW M	SET EXCLUSIVE AGILE 12 KW T	SET EXCLUSIVE AGILE 14 KW T	SET EXCLUSIVE AGILE 16 KW T
CODE	MODEL	20205784	20205786	20205788	20205791	20205793	20205800	20205802	20205804	20205806	20205809
20187800	EXCLUSIVE X 25 R	•	•	•	•						
20187797	EXCLUSIVE X 35 R	•	•	•	•	•	•	•	•	•	•
20149450	MYNUTE X 20 R	•	•	•	•						
20149451	MYNUTE X 30 R	•	•	•	•	•	•	•	•	•	•

(\*) The following combinations guarantee the best energy performance; for the full list of certified hybrid systems please refer to the company declaration. Combine the built-in box code 20130808 only with CONNECT HYBRID code 20130801, 20130802 and 20130803.

## RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM

### 2. WALL-HUNG BOILER ACCESSORIES

CODE	DESCRIPTION
<b>Accessories</b>	
1103289	GREEN built-in BOX with door <sup>(1)(2)(3)</sup>
20058454	Built-in cabinet for HYBRID BOX and SOLAR BOX (4) - Dimensions in mm 2200 x 950 x 350
20134477	Connection kit for EXCLUSIVE X - MYNUTE X built-in installation
20196581	Rigid ramps for BOX GREEN - 30 kW <sup>(4)(5)</sup>
20191518	Kit polyphosphates dispenser (compact)
20191517	Kit magnetic filter (compact)

(1) Paintable box.

(2) The front of the BOX (door) protrudes 26 mm from the recessed frame.

(3) BOX compatible with and Mynute X 30 C respectively through the specific accessory kits for built-in cod. 20196580 and 20196581.

(4) In case of boiler models only heating, the hydraulic fittings and ramps contained in the reference kit do not need application.

(5) The 'RIGID RAMPS' kits must be used in conjunction with the accessories Compact magnetic filter kit cod. 20191517 and Polyphosphate dosing compact kit cod. 20191518.

### 3. ACCESSORIES TO COMPLETE THE SYSTEM

#### 3.1 Connect Hybrid

CODE	DESCRIPTION	ZONES	DIMENSIONS H x W x D (mm)
20130801	CONNECT HYBRID 1D <sup>(1)</sup>	1 direct zone	see BOX
20130802	CONNECT HYBRID 2D <sup>(1)</sup>	2 direct zones	see BOX
20130803	CONNECT HYBRID AT/BT <sup>(1)</sup>	1AT/BT (motorized)	see BOX

(1) Supplied without built-in Box (code 20130808), for the installation it is necessary to purchase it.

#### 3.2 Built-in installation for Connect Hybrid

CODE	DESCRIPTION
20130808	BOX (also for built-in installation) for CONNECT HYBRID <sup>(1)</sup>
20131752	Cock Kit for CONNECT HYBRID

(1) Paintable box.

### 3.3 Hydraulic accessories

CODE	DESCRIPTION
20035644	Solar diverter mixing valve
20116162	7.5 m CONNECT SOLAR R - only return hydraulic group
20175281	1" Y water filter
20165227	Hybrid hydr. distr. hydraulic module 1 DIR
20203742	1" & 1 ¼" DHW diverting valve without temperature probe

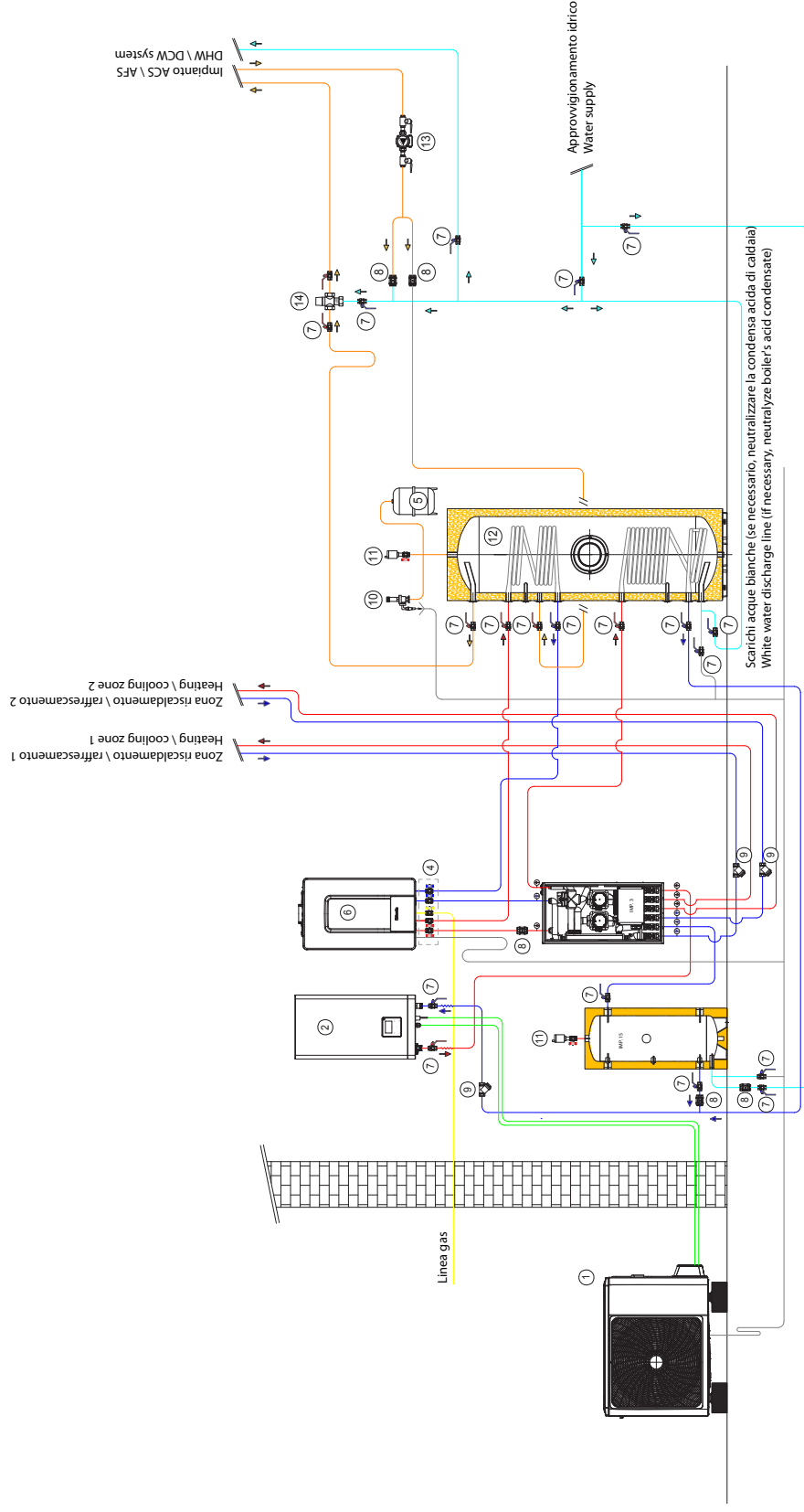
### 3.4 Electrical accessories

CODE	DESCRIPTION
20168672	Solar thermal unit interface kit <sup>(1)</sup>
1220559	Outdoor temperature probe kit with connector <sup>(1)</sup>

(1) Allows visualization of the operating status of the solar system on the REC10 MH system interface.

## EXAMPLES OF SYSTEM WITH SPLIT HYBRID SYSTEM

### MONOVALENT TWO-ZONE HEATING AND DHW PRODUCTION SYSTEM COMBINED WITH SPLIT HEAT PUMP, AND BOILER

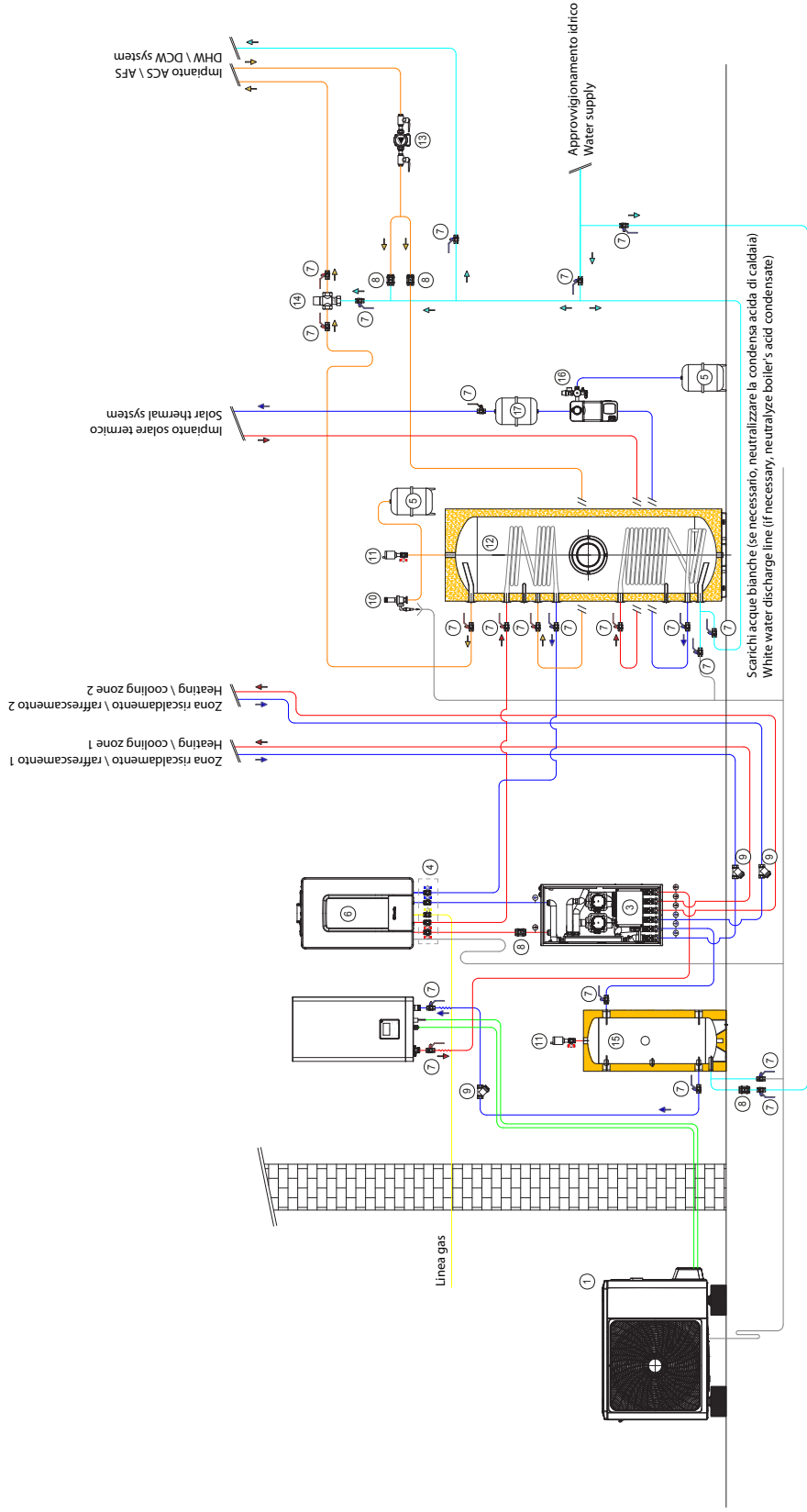


- |   |                 |                       |
|---|-----------------|-----------------------|
| 1 Heat pump outdoor unit                              | 9 Filter        | 13 DHW diverter valve |
| 2 Heat pump indoor unit with circulator and reservoir | 10 Safety valve | 14 DHW mixer          |
| 3 Hydraulic module with non-return valves             | 11 Deaerator    | 15 Storage tank       |
| 4 Under-boiler cock kit                               | 12 DHW heater   |                       |

RES B HEATING-ONLY WALL-HUNG SPLIT HYBRID SYSTEM



MONOVALENT TWO-ZONE HEATING AND DHW PRODUCTION SYSTEM COMBINED WITH SPLIT HEAT PUMP, BOILER AND SOLAR SYSTEM



- |   |  |                        |                                    |
|---|--|------------------------|------------------------------------|
| 1 Heat pump outdoor unit                              | 6 Boiler with circulator and reservoir | 11 Deaerator           | 16 Solar station with control unit |
| 2 Heat pump indoor unit with circulator and reservoir | 7 Shut-off valve                       | 12 DHW heater          | 17 Pre-reservoir                   |
| 3 Hydraulic module with non-return valves             | 8 Non-return valve                     | 13 DHW diverting valve |                                    |
| 4 Under-boiler cock kit                               | 9 Filter                               | 14 DHW mixer           |                                    |
| 5 Expansion reservoir                                 | 10 Safety valve                        | 15 Storage tank        |                                    |

HEAT PUMPS



HEAT PUMPS	70
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## HYDRO UNIT M - HYDRONIC HEAT PUMPS



- Hydronic air-to-water heat pump
- **HP Keymark certified performance.**
- Modbus connectivity as standard
- Variable speed circulating pump as standard
- Source side exchanger with the special hydrophilic and anti-corrosion treatment as standard
- Suitable for heating, cooling and domestic hot water production
- Rotary compressor with DC-Inverter technology
- Operating range -25 °C/+43 °C
- Maximum heating temperature 65 °C
- Electronic expansion valve
- Expansion reservoir as standard
- Very low noise
- **Ecological refrigerant R32**
- **Included remote control can manage completely heating/cooling/ domestic hot water operation, as well as up to 6 units in cascade system (1 master & 5 slaves) even with different power inputs.**
- Anti-freeze program protects the entire system especially the hydraulic parts from damage in very cold ambient air temperature.

## Heat pump

CODE	MODEL	DIMENSIONS H x L x P (mm)	HEATING <sup>(1)</sup> /COOLING <sup>(2)</sup> OUTPUT (kW)	CLASS  55°C  35°C	
SINGLE-PHASE HEAT PUMPS					
20203411	HYDRO UNIT M 004	718 x 1295 x 426	4,20 / 4,50		
20203413	HYDRO UNIT M 006	718 x 1295 x 426	6,35 / 6,50		
20203414	HYDRO UNIT M 008	865 x 1385 x 523	8,40 / 8,30		
20203416	HYDRO UNIT M 010	865 x 1385 x 523	10,00 / 9,90		
20203656	HYDRO UNIT M 012	865 x 1385 x 523	12,10 / 12,00		
20203659	HYDRO UNIT M 014	865 x 1385 x 523	14,50 / 13,50		
20203660	HYDRO UNIT M 016	865 x 1385 x 523	15,90 / 14,20		
THREE-PHASE HEAT PUMPS					
20203672	HYDRO UNIT M 012T	865 x 1385 x 523	12,10 / 12,00		
20203674	HYDRO UNIT M 014T	865 x 1385 x 523	14,50 / 13,50		
20203678	HYDRO UNIT M 016T	865 x 1385 x 523	15,90 / 14,20		

(1) Outdoor air d.b. + 7 °C / w.b. + 6 °C, water 30 °C - 35 °C.

(2) Outdoor air d.b. + 35 °C/w.b. + 24 °C, water 23 °C - 18 °C.

Models suitable for stand-alone installation and for full electric systems in combination with REC10MH control, for hybrid systems (see the dedicated section).

## HYDRO UNIT M - HYDRONIC HEAT PUMPS

## Accessories

CODE	DESCRIPTION
20117745	IDRA HP 300 storage tank
20117746	IDRA HP 500 storage tank
20204198	IDRA C-HP 150 MS storage tank
20204200	IDRA C-HP 200 MS storage tank
20204202	IDRA C-HP 300 MS storage tank
20204204	IDRA C-HP 500 MS storage tank
20171999	50 litre inertial buffer tank <sup>(9)</sup>
4383504	Solar heat exchanger 0,8 m <sup>2</sup> for IDRA HP 300 storage tank <sup>(2)</sup>
4383505	Solar heat exchanger 1,2 m <sup>2</sup> for IDRA HP 500 storage tank <sup>(2)</sup>
20203248	Solar heat exchanger 0,8m <sup>2</sup> for C-HP 150-300
20203246	Solar heat exchanger 1,2m <sup>2</sup> for C-HP 500
20203742	1 1/4" DHW diverting valve without temperature probe <sup>(1) (4) (5)</sup>
20175281	1" Y water filter <sup>(7)</sup>
20193922	REC10MH remote control
4383270	Single-phase resistance kit 1,5 kW 1 "1/2 for IDRA HP 300 storage tank <sup>(2)</sup>
20020707	Three-phase resistance kit 3,8 kW 1 "1/2 for IDRA HP 500 storage tank <sup>(2)</sup>
20182272	Single-phase electric heating element for DHW heater 2,2 kW <sup>(3) (6) (8)</sup>
20182292	1PH-3PH 2-6 kW supplemental electric heating element
20194933	Temperature probe for balance tank or zone 2 flow temperature or solar temperature

(1) Mandatory in case of domestic hot water installation.

(2) The accessory must be ordered together with the base unit and is supplied not installed with finished product availability.

(3) Only in combination with REC10MH remote control.

(4) Accessory managed by the machine interface.

(5) It must be used in combination with the temperature probe included in the heat pump or with accessory 20194933.

(6) The kit includes the three-way diverting valve for DHW with storage tank probe.

(7) The corresponding filter is supplied with the product. If necessary, it must be used only for HYDRO UNIT M 004 and 006 models.

(8) Includes electrical power box and activation relay.

(9) The buffer tank cannot be installed horizontally under the heat pump

























## HYDRO UNIT M - HYDRONIC HEAT PUMPS



- Hydronic air-to-water heat pump
- **HP Keymark certified performance.**
- Modbus connectivity as standard
- Variable speed circulating pump as standard
- Source side exchanger with the special hydrophilic and anti-corrosion treatment as standard
- Suitable for heating, cooling and domestic hot water production
- Rotary compressor with DC-Inverter technology
- Operating range -25 °C/+43 °C
- Maximum heating temperature 65 °C
- Electronic expansion valve
- Expansion reservoir as standard
- Very low noise
- **Ecological refrigerant R32**
- **Included remote control can manage completely heating/cooling/ domestic hot water operation, as well as up to 6 units in cascade system (1 master & 5 slaves) even with different power inputs.**
- Anti-freeze program protects the entire system especially the hydraulic parts from damage in very cold ambient air temperature.

## Heat pump

CODE	MODEL	DIMENSIONS	HEATING <sup>(1)</sup> /COOLING <sup>(2)</sup>	CLASS	
		H x L x P (mm)	OUTPUT (kW)	 55°C	 35°C
SINGLE-PHASE HEAT PUMPS					
20191950	HYDRO UNIT M 004	792 x 1295 x 429	4,20 / 4,50		
20191951	HYDRO UNIT M 006	792 x 1295 x 429	6,35 / 6,50		
20191952	HYDRO UNIT M 008	945 x 1385 x 526	8,40 / 8,30		
20191953	HYDRO UNIT M 010	945 x 1385 x 526	10,00 / 9,90		
20191954	HYDRO UNIT M 012	945 x 1385 x 526	12,10 / 12,00		
20191956	HYDRO UNIT M 014	945 x 1385 x 526	14,50 / 13,50		
20191957	HYDRO UNIT M 016	945 x 1385 x 526	15,90 / 14,20		
THREE-PHASE HEAT PUMPS					
20191958	HYDRO UNIT M 012T	945 x 1385 x 526	12,10 / 12,00		
20191959	HYDRO UNIT M 014T	945 x 1385 x 526	14,50 / 13,50		
20191960	HYDRO UNIT M 016T	945 x 1385 x 526	15,90 / 14,20		

(1) Outdoor air d.b. + 7 °C / w.b. + 6 °C, water 30 °C - 35 °C.

(2) Outdoor air d.b. + 35 °C/w.b. + 24 °C, water 23 °C - 18 °C.

Models suitable for stand-alone installation and for full electric systems in combination with REC10MH control, for hybrid systems (see the dedicated section).

## HYDRO UNIT M - HYDRONIC HEAT PUMPS

## Accessories

CODE	DESCRIPTION
20117745	IDRA HP 300 storage tank
20117746	IDRA HP 500 storage tank
20204198	IDRA C-HP 150 MS storage tank
20204200	IDRA C-HP 200 MS storage tank
20204202	IDRA C-HP 300 MS storage tank
20204204	IDRA C-HP 500 MS storage tank
20171999	50 litre inertial buffer tank <sup>(9)</sup>
4383504	Solar heat exchanger 0,8 m <sup>2</sup> for IDRA HP 300 storage tank <sup>(2)</sup>
4383505	Solar heat exchanger 1,2 m <sup>2</sup> for IDRA HP 500 storage tank <sup>(2)</sup>
20203248	Solar heat exchanger 0,8m <sup>2</sup> for C-HP 150-300
20203246	Solar heat exchanger 1,2m <sup>2</sup> for C-HP 500
20203742	1 1/4" DHW diverting valve without temperature probe <sup>(1) (4) (5)</sup>
20175281	1" Y water filter <sup>(7)</sup>
20193922	REC10MH remote control
4383270	Single-phase resistance kit 1,5 kW 1 "1/2 for IDRA HP 300 storage tank <sup>(2)</sup>
20020707	Three-phase resistance kit 3,8 kW 1 "1/2 for IDRA HP 500 storage tank <sup>(2)</sup>
20182272	Single-phase electric heating element for DHW heater 2,2 kW <sup>(3) (6) (8)</sup>
20182292	1PH-3PH 2-6 kW supplemental electric heating element
20194933	Temperature probe for balance tank or zone 2 flow temperature or solar temperature

(1) Mandatory in case of domestic hot water installation.

(2) The accessory must be ordered together with the base unit and is supplied not installed with finished product availability.

(3) Only in combination with REC10MH remote control.

(4) Accessory managed by the machine interface.

(5) It must be used in combination with the temperature probe included in the heat pump or with accessory 20194933.

(6) The kit includes the three-way diverting valve for DHW with storage tank probe.

(7) The corresponding filter is supplied with the product. If necessary, it must be used only for HYDRO UNIT M 004 and 006 models.

(8) Includes electrical power box and activation relay.

(9) The buffer tank cannot be installed horizontally under the heat pump













## HYDRO UNIT M - HYDRONIC HEAT PUMPS



- Hydronic air to water heat pump monobloc
- **HP Keymark certified performance.**
- Modbus connection as standard
- Variable speed circulating pump as standard
- Source side exchanger with the special hydrophilic and anti-corrosion treatment as standard
- Suitable for heating, cooling and domestic hot water production
- Rotary compressor with DC-Inverter technology
- Operating range -25°C/+43°C
- Maximum heating temperature 60°C
- Electronic expansion valve
- Expansion vessel as standard
- Silent operation
- **Ecological refrigerant R32**
- **Included remote control included can manage completely heating/ cooling/ domestic hot water operation, as well as up to 6 units in cascade system (1 master & 5 slaves) even with different power inputs.**
- Anti-freeze program protects the entire system especially the hydraulic parts from damage in very cold ambient air temperature

## Heat pump

CODE	MODEL	DIMENSIONS	HEATING <sup>(1)</sup> /COOLING <sup>(2)</sup>	CLASS	
		H x L x P (mm)	OUTPUT (kW)	 55°C	 35°C
THREE-PHASE HEAT PUMPS					
20194173	HYDRO UNIT M 018T (*)	1558 x 1129 x 528	18,00/ 18,50		
20194174	HYDRO UNIT M 022T (*)	1558 x 1129 x 528	22,00/ 23,00		
20194175	HYDRO UNIT M 026T (*)	1558 x 1129 x 528	26,00/ 27,00		
20194176	HYDRO UNIT M 030T (*)	1558 x 1129 x 528	30,10/ 31,00		

(1) Outdoor air d.b. + 7 °C / w.b. + 6 °C, water 30 °C - 35 °C.

(2) Outdoor air d.b. + 35 °C/w.b. + 24 °C, water 23 °C - 18 °C.

(\*) Available from July, 2022.

## HYDRO UNIT M - HYDRONIC HEAT PUMPS

## Accessories

CODE	DESCRIPTION
20056180	STOR H 200 inertial buffer tank
20117746	Heater IDRA HP 500 for heat pump
20204206	IDRA C-HP 800 MS
20204208	IDRA C-HP 1000 MS
4383505	Solar heat exchanger for IDRA HP 500 <sup>(2)</sup>
20203245	Solar heat exchanger 1,9 m <sup>2</sup> for IDRA C-HP 800-100 storage tank
4383270	Single-phase electrical resistance 1,5 kW, 1" ½ <sup>(1) (2)</sup>
4383271	Single-phase electrical resistance kit 2,2 kW 1" ½ <sup>(1) (2)</sup>
4383272	Single-phase electrical resistance kit 3,0 kW 1" ½ <sup>(1) (2)</sup>
20020707	Three-phase electrical resistance kit 3,8 kW, 1" ½ <sup>(1) (2)</sup>
20182292	1PH-3PH 2-6 kW supplemental electric heating element
20142300	STOR H 100 - 100-litre technical hot/cold tank kit
20175145	Support bracket kit for heat pump installed on STOR H 100
20171891	Heat pump vibration damper kit
20203742	1" & 1 ¼" DHW diverting valve without temperature probe <sup>(3)</sup>
20194933	Temperature probe for balance tank or zone 2 flow temperature or solar temperature

(1) For stand-alone installation.

(2) The accessory must be ordered together with the base unit and is supplied not installed with finished product availability.

(3) The accessory must be used in combination with the temperature probe included in the heat pump, or accessory 20194933.











## EXCLUSIVE AGILE - WALL HUNG SPLIT HEAT PUMP





R32

- Split heat pump with wall-hung indoor unit for heating, cooling and DHW production.
- Wide range of sizes available, from 4 up to 16 kW.
- High efficiency up to A+++ class.
- Intelligent management of auxiliary energy sources: integrative heating element, boiler, solar thermal unit.
- **Twin Rotary DC inverter compressor and electronic expansion valve.**
- Fan with brushless motor and finned pack coil optimised for operation at outdoor air temperature of -25°C.
- Compact and extremely silent external unit with R32 gas.
- Indoor unit with and without back up heater.
- Easy to use control panel with backlit display and multilingual menu.
- Compact indoor unit: only 270 mm of depth.

## Wall hung split heat pumps

CODE	DESCRIPTION	DIMENSIONS H x W x P (mm)	HEATING				COOLING				CLASS	
			Floor system <sup>(1)</sup>		Fan coils <sup>(2)</sup>		Floor system <sup>(3)</sup>		Fan coils <sup>(4)</sup>			
			Heating capacity (kW)	COP	Heating capacity (kW)	COP	Cooling capacity (kW)	EER	Cooling capacity (kW)	EER	 <sup>(5)</sup>	 <sup>(6)</sup>
WITHOUT ON BOARD BACK UP HEATER												
20205784	SET EXCLUSIVE AGILE 4 KW M	712 x 1008 x 426 (ODU)	4,25	5,20	4,35	3,80	4,50	5,55	4,70	3,45		
20205786	SET EXCLUSIVE AGILE 6 KW M	712 x 1008 x 426 (ODU)	6,20	5,00	6,35	3,75	6,55	4,90	7,00	3,00		
20205788	SET EXCLUSIVE AGILE 8 KW M	865 x 1118 x 523 (ODU)	8,30	5,20	8,20	3,95	8,40	5,05	7,40	3,38		

## EXCLUSIVE AGILE - WALL HUNG SPLIT HEAT PUMP

CODE	DESCRIPTION	DIMENSIONS H x W x P (mm)	HEATING				COOLING				CLASS	
			Floor system <sup>(1)</sup>		Fan coils <sup>(2)</sup>		Floor system <sup>(3)</sup>		Fan coils <sup>(4)</sup>		 <sup>(5)</sup>	 <sup>(6)</sup>
			Heating capacity (kW)	COP	Heating capacity (kW)	COP	Cooling capacity (kW)	EER	Cooling capacity (kW)	EER		
20205791	SET EXCLUSIVE AGILE 10 KW M	865 x 1118 x 523 (ODU)	10,00	5,00	10,00	3,80	10,00	4,80	8,20	3,30	A+++	A++
20205793	SET EXCLUSIVE AGILE 12 KW M	865 x 1118 x 523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75	A+++	A++
20205800	SET EXCLUSIVE AGILE 14 KW M	865 x 1118 x 523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55	A+++	A++
20205802	SET EXCLUSIVE AGILE 16 KW M	865 x 1118 x 523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45	A+++	A++
20205804	SET EXCLUSIVE AGILE 12 KW T	865 x 1118 x 523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75	A+++	A++
20205806	SET EXCLUSIVE AGILE 14 KW T	865 x 1118 x 523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55	A+++	A++
20205809	SET EXCLUSIVE AGILE 16 KW T	865 x 1118 x 523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45	A+++	A++
<b>WITH ON BOARD BACK UP HEATER</b>												
20205785	SET EXCLUSIVE AGILE 4 KW M BH	712 x 1008 x 426 (ODU)	4,25	5,20	4,35	3,80	4,50	5,55	4,70	3,45	A+++	A++
20205787	SET EXCLUSIVE AGILE 6 KW M BH	712 x 1008 x 426 (ODU)	6,20	5,00	6,35	3,75	6,55	4,90	7,00	3,00	A+++	A++
20205789	SET EXCLUSIVE AGILE 8 KW M BH	865 x 1118 x 523 (ODU)	8,30	5,20	8,20	3,95	8,40	5,05	7,40	3,38	A+++	A++
20205792	SET EXCLUSIVE AGILE 10 KW M BH	865 x 1118 x 523 (ODU)	10,00	5,00	10,00	3,80	10,00	4,80	8,20	3,30	A+++	A++
20205794	SET EXCLUSIVE AGILE 12 KW M BH	865 x 1118 x 523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75	A+++	A++
20205801	SET EXCLUSIVE AGILE 14 KW M BH	865 x 1118 x 523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55	A+++	A++
20205803	SET EXCLUSIVE AGILE 16 KW M BH	865 x 1118 x 523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45	A+++	A++
20205805	SET EXCLUSIVE AGILE 12 KW T BH	865 x 1118 x 523 (ODU)	12,10	4,95	12,30	3,80	12,00	4,00	11,60	2,75	A+++	A++
20205807	SET EXCLUSIVE AGILE 14 KW T BH	865 x 1118 x 523 (ODU)	14,50	4,70	14,20	3,65	13,50	3,61	12,70	2,55	A+++	A++
20205810	SET EXCLUSIVE AGILE 16 KW T BH	865 x 1118 x 523 (ODU)	16,00	4,50	16,00	3,60	14,20	3,61	14,00	2,45	A+++	A++

## EXCLUSIVE AGILE - WALL HUNG SPLIT HEAT PUMP

### Set codes matching table

DESCRIPTION	SET CODE	INTERNAL UNIT CODE	EXTERNAL UNIT CODE
<b>WITHOUT ON BOARD BACK UP HEATER</b>			
SET EXCLUSIVE AGILE 4 kW M	20205784	20199007	20198986
SET EXCLUSIVE AGILE 6 kW M	20205786	20199007	20198987
SET EXCLUSIVE AGILE 8 kW M	20205788	20199009	20198988
SET EXCLUSIVE AGILE 10 kW M	20205791	20199009	20198990
SET EXCLUSIVE AGILE 12 kW M	20205793	20199010	20198991
SET EXCLUSIVE AGILE 14 kW M	20205800	20199010	20198992
SET EXCLUSIVE AGILE 16 kW M	20205802	20199010	20198993
SET EXCLUSIVE AGILE 12 kW T	20205804	20199010	20198994
SET EXCLUSIVE AGILE 14 kW T	20205806	20199010	20198995
SET EXCLUSIVE AGILE 16 kW T	20205809	20199010	20198996
<b>WITH ON BOARD BACK UP HEATER</b>			
SET EXCLUSIVE AGILE 4 kW M BH	20205785	20198980	20198986
SET EXCLUSIVE AGILE 6 kW M BH	20205787	20198980	20198987
SET EXCLUSIVE AGILE 8 kW M BH	20205789	20198981	20198988
SET EXCLUSIVE AGILE 10 kW M BH	20205792	20198981	20198990
SET EXCLUSIVE AGILE 12 kW M BH	20205794	20198982	20198991
SET EXCLUSIVE AGILE 14 kW M BH	20205801	20198982	20198992
SET EXCLUSIVE AGILE 16 kW M BH	20205803	20198982	20198993
SET EXCLUSIVE AGILE 12 kW T BH	20205805	20198985	20198994
SET EXCLUSIVE AGILE 14 kW T BH	20205807	20198985	20198995
SET EXCLUSIVE AGILE 16 kW T BH	20205810	20198985	20198996

## EXCLUSIVE AGILE - WALL HUNG SPLIT HEAT PUMP

### Accessories

CODE	DESCRIPTION
20117745	IDRA HP 300 storage tank
20117746	IDRA HP 500 storage tank
20117881	IDRA DS 300 storage tank
20117882	IDRA DS 500 storage tank
20204198	IDRA C-HP 150 MS storage tank
20204200	IDRA C-HP 200 MS storage tank
20204202	IDRA C-HP 300 MS storage tank
20204204	IDRA C-HP 500 MS storage tank
4383270	Single-phase electrical resistance 1,5 kW 1" 1/2 <sup>(2)(1)</sup>
20020707	Three-phase electrical resistance kit 3,8 kW 1" 1/2 <sup>(2) (1)</sup>
20171999	50-litre inertial buffer tank
20203742	1" & 1 1/4" DHW diverting valve without temperature probe

(1) For stand alone installation.

(2) The accessory has to be ordered with base unit and it is provided not installed.

### Suggested cylinder and heat pump matching

CYLINDER		HEAT PUMP EXCLUSIVE AGILE									
CODE	MODEL	4 M	6 M	8 M	10 M	12 M	14 M	16 M	12 T	14 T	16 T
		20205784	20205786	20205788	20205791	20205793	20205800	20205802	20205804	20205806	20205809
20204198	IDRA C-HP 150 MS	•	•								
20204200	IDRA C-HP 200 MS	•	•	•							
20204202	IDRA C-HP 300 MS	•	•	•	•	•			•		
20204204	IDRA C-HP 500 MS			•	•	•	•	•	•	•	•
20204206	IDRA C-HP 800 MS					•	•	•	•	•	•
20204208	IDRA C-HP 1000 MS							•			•






















To select the correct size of the cylinder, please refer to the data in the technical sheet of the product and to the specific requirement of the system.

Note: Cylinders are compatible as in the above table also with split heat pump sets with back up heater on board.

WALL HUNG BOILERS 

CONDENSING WALL-HUNG BOILERS	86
STANDARD-EFFICIENCY WALL-HUNG BOILERS	102
SYSTEM COMPLEMENTARY ITEMS	119
FLUE OPTION SYSTEMS	128

# PRODUCT MATRIX OF BERETTA CONDENSING WALL-HUNG BOILERS

		PRODUCT ENERGY CLASS		SYSTEM ENERGY CLASS	COMBI MODELS	
with INSTANTANEOUS DHW PRODUCTION		EXCLUSIVE X			 with optional kit <sup>(1)</sup> for 25	25, 30, 35, 40 (NG - LPG)
		MYNUTE X				25, 30, 35, 40 (NG - LPG)
		CIAO X			 with optional kit <sup>(2)</sup>	25 (NG - LPG) 30 (NG)
		CIAO AT 25 C <sup>(2)</sup>				25 (NG) 29 (NG)*
with BUILT-IN DHW TANK		EXCLUSIVE BOILER GREEN HE				25 (NG) 35 (NG)
		MYNUTE BOILER GREEN				25 (NG) 32 (NG)

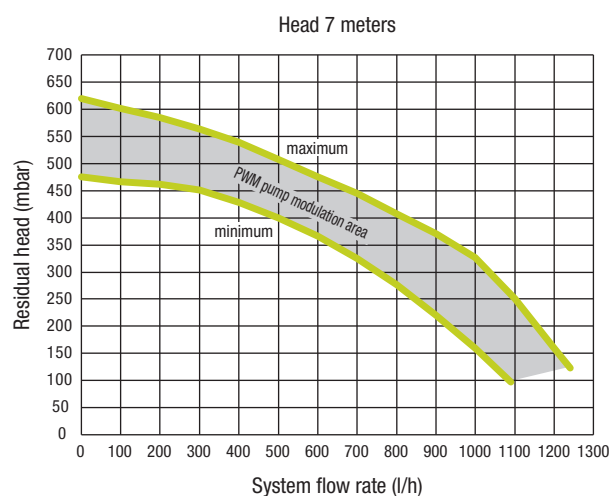
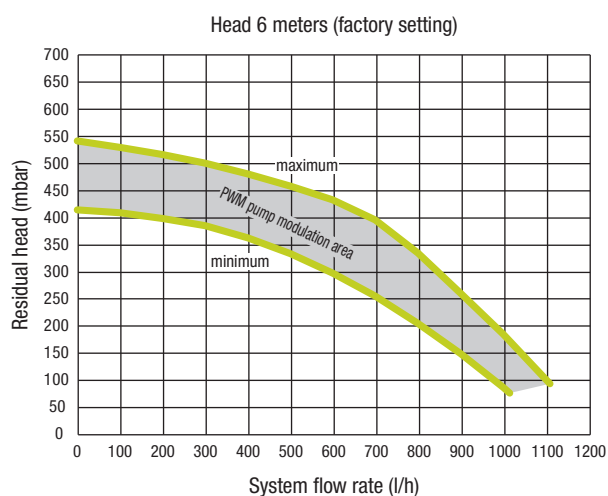
(1) In combination with Hi, Comfort Control (codes 20193354 or 20193352) Ciao X range achieve A+ system.

(2) This boiler range, being provided with post heat-exchanger, is specifically suitable for high temperature circuits (with radiators, etc.)

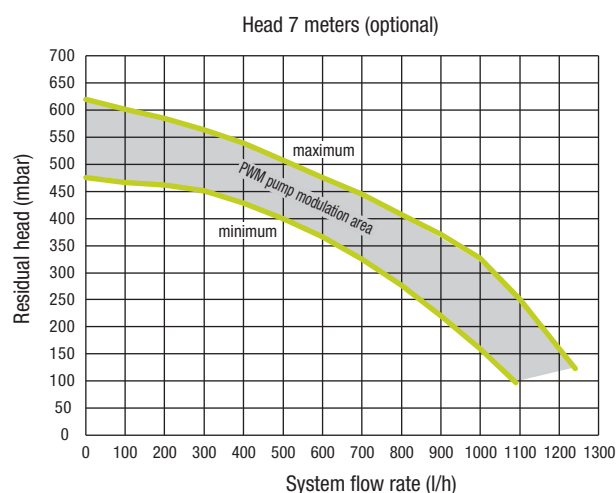
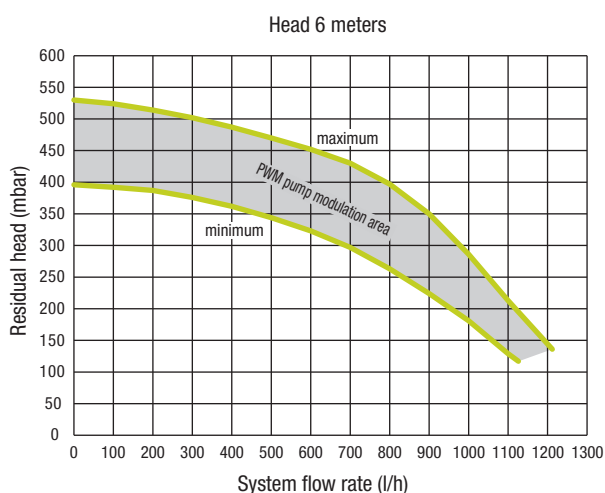
'HEATING-ONLY' MODELS	COMBUSTION	DHW PRODUCTION	Hi, Comfort Wi-Fi	MODULATION RANGE	CIRCULATOR HEAD
25, 35, 40 (NG/LPG)	premix	via stainless steel DHW heat-exchanger	compatible (as option)	up to 8 : 1	modulating, with 7m head
20, 30, 40 (NG/LPG)	premix	via stainless steel DHW heat-exchanger	compatible (as option)	up to 8 : 1	modulating, with 6m head, adjustable up to 7m
15 (NG) 25 (NG)	premix	via stainless steel DHW heat-exchanger	compatible (as option)	up to 8 : 1	6m
—	with post heat-exchanger	via stainless steel DHW heat-exchanger	compatible (as option)	up to 3 : 1	Synchronous, single speed 6m
—	premix	via stainless steel DHW tank (60 litres capacity)	compatible (as option)	up to 10 : 1	modulating, with 6m head, adjustable up to 7m
—	premix	via stainless steel DHW tank (45/60 litres capacity)	compatible (as option)	up to 5 : 1	modulating, with 6m head, adjustable up to 7m

# HEAD CURVES OF STANDARD AND HIGH HEAD CIRCULATING PUMPS

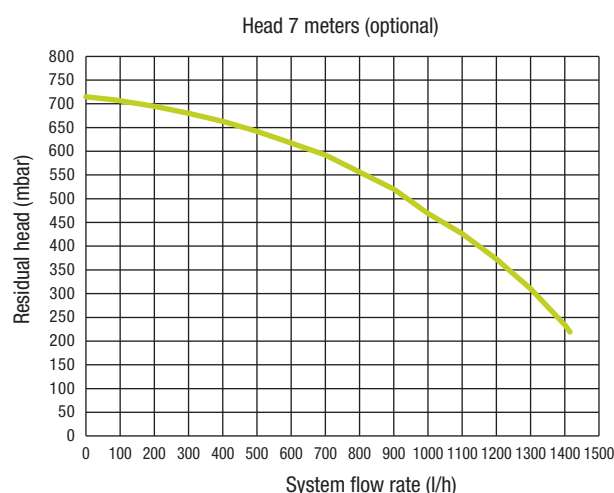
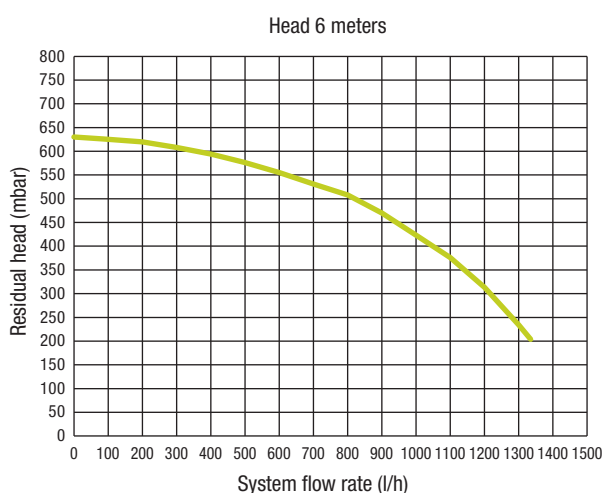
## EXCLUSIVE X (\*)



## MYNUTE X



## CIAO X



(\*) According to the project requirements, it is possible to set curves with 4-5-7 m head.

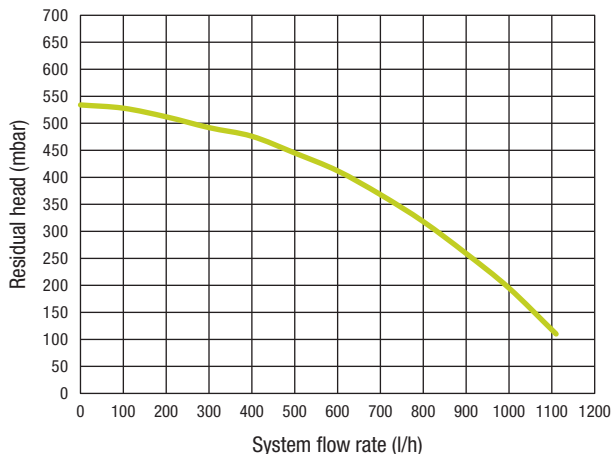
Note: for the ranges of boilers not mentioned in the graphs above refer to the corporate website to download the instructions manuals.

Beretta reserves the right to change the data without prior notice. In order to have always updated data, it is possible to consult the documentation available on the corporate website.

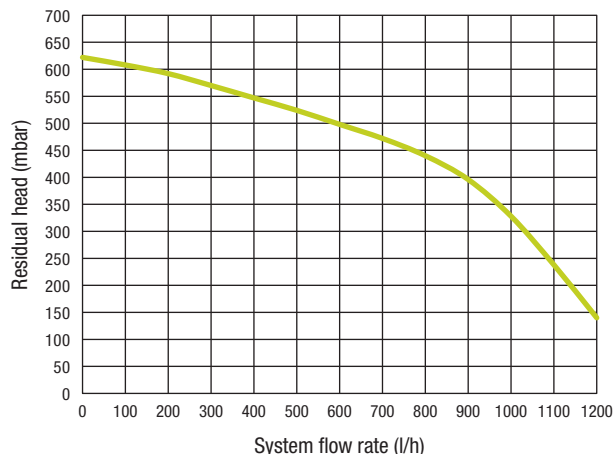
# HEAD CURVES OF STANDARD AND HIGH HEAD CIRCULATING PUMPS

## CIAO AT 25 C

Circulator curve 6 meters standard

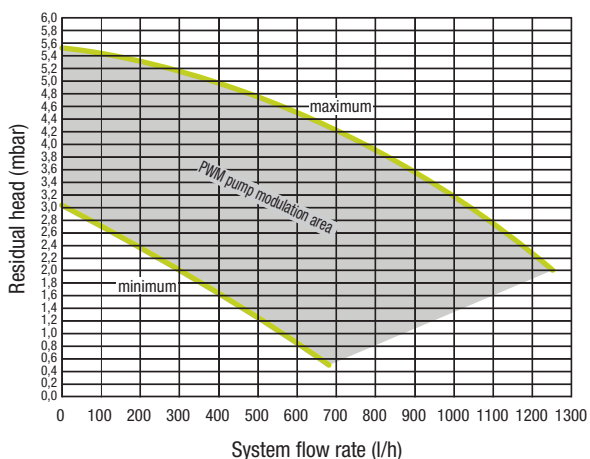


High head curve 7 meters (optional)



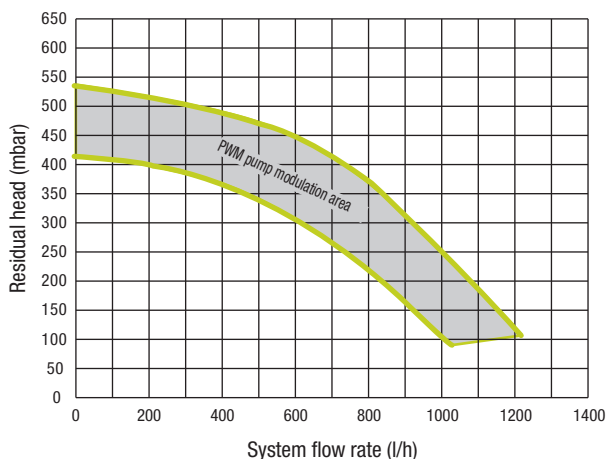
## EXCLUSIVE BOILER GREEN HE

Modulating circulator curve 6 meters standard

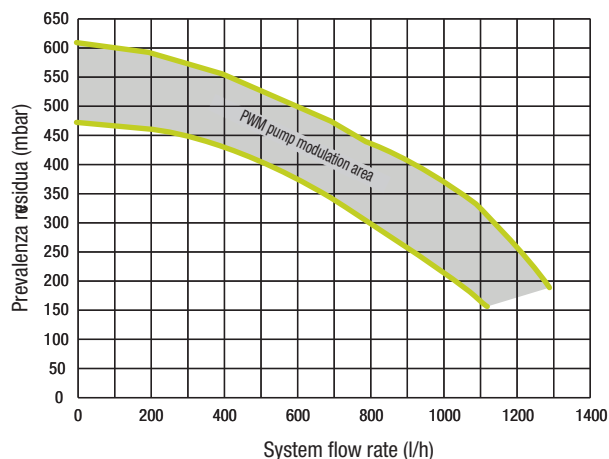


## MYNUTE BOILER GREEN E (\*)

Head 6 meters



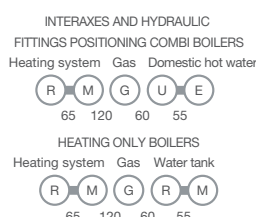
Head 7 meters (optional)



(\*) According to the project requirements, it is possible to set curves with 4-5-7 m head.














Note: for the ranges of boilers not mentioned in the graphs above refer to the corporate website to download the instructions manuals.

Beretta reserves the right to change the data without prior notice. In order to have always updated data, it is possible to consult the documentation available on the corporate website.



- **New stainless steel primary heat exchanger with frontal access**
- ACC electronic combustion system
- **The REC10 control as standard, with color display, makes the EXCLUSIVE X ready to be used in hybrid system (A) and with CONNECT HYBRID for managing up to 2 zone**
- Digital user interface for direct communication using text and icons
- **High modulation and ErP efficiency of 94% (B)**
- EXCLUSIVE X (B) + interface remote kit and outdoor temperature sensor (both optional) is an A+ class system
- Removable interface with ambient sensor equipped
- Outdoor (C) and in-wall (D) installation
- **Low NOx emissions: class 6 (UNI EN 15502)**
- Low consumption modulating circulator pump (EEI ≤ 0,20) with 7m head
- Designed to use NG and Hydrogen mixture up to 20%
- Assembly template as standard
- Electrical protection IPX5D
- **10 litre expansion tank** on 350mm depth models
- Specific flue system in PP Ø60 and Ø50
- **Usable with LPG and air-propane mixture (E) selecting electronic parameter** (contact Bertea official technical assistant centers)
- Thermoregulation as standard with optional outdoor temperature sensor
- Easy system filling function
- **Innovative air filter**

## Premix condensing boiler

CODE NATURAL GAS	MODEL	DIMENSIONS H x L x P (1) (mm)	CH INPUT DHW INPUT Min - Max (kW)	DHW PRODUCTION (l/min-Δt 25°C)	ENERGY CLASS 	
<b>INSTANTANEOUS COMBI BOILERS</b>						
20187794	EXCLUSIVE X 25C	740 x 420 x 275	3,6-20/3,6-25	15,1		
20187795	EXCLUSIVE X 30C	740 x 470 x 350	4,9-25/4,9-30	18,1		
20187796	EXCLUSIVE X 35C	740 x 470 x 350	4,9-32/4,9-34,6	20,8		
20187798	EXCLUSIVE X 40C	740 x 470 x 350	4,9-32/4,9-40	24,1		
<b>HEATING ONLY BOILERS</b>						
20187800	EXCLUSIVE X 25R	740 x 420 x 275	3,6-20/3,6-25	-		-
20187797	EXCLUSIVE X 35R	740 x 470 x 350	4,9-32/4,9-34,6	-		-
20187799	EXCLUSIVE X 40R	740 x 470 x 350	4,9-32/4,9-40	-		-

Heating only models are equipped with 3-way valve and are without filling system tap.

(A) The boiler can manage up to 3 system zones, using accessories cod. 20132795 and cod. 20132796.

(B) Models 30C - 35C - 35R.

(C) With anti-freeze kit.

(D) EXCLUSIVE X 30C and EXCLUSIVE X 35C can't be used for in-wall applications using box cod. 1103289.

(E) Certification for air-propane mixture for EXCLUSIVE X 25C and EXCLUSIVE X 25R.

■ >> NEW

## Specific accessories for IN-BOX installation

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)
1103289	BOX for recessed IN-BOX installation	1223 x 654 x 255 (+26) <sup>(A)</sup>

(A) The front part of the BOX (door) protrudes 26 mm from the recessed BOX.

## Accessories

CODE	DESCRIPTION
<b>Hydraulic accessories (*)</b>	
20132005	Wall-mounted hydraulic connections and gas tap kit for EXCLUSIVE X C
20133386	Wall-mounted hydraulic connections and gas tap kit for EXCLUSIVE X R
20133516	Wall-mounted hydraulic connections and heating, gas and DHW taps kit for EXCLUSIVE X C
20133517	Wall-mounted hydraulic connections, heating and gas taps kit for EXCLUSIVE X R
20134477	Connections kit for IN-BOX installation for instantaneous combi versions (C models)
20193276	Anti-freeze resistors kit for EXCLUSIVE X combi models
20193279	Anti-freeze resistors kit for EXCLUSIVE X heating only models.
<b>Flues accessories</b>	
20134830	Flue adapter kit from Ø60/100 to Ø80+80 (air inlet swelling position)
20129765	Flue adapter kit from Ø60/100 to Ø80+80
20129175	Ø60/100 Horizontal flue terminal kit with 90° reduced concentric bend
20129176	Ø60/100 Telescopic horizontal flue terminal kit with 90° reduced concentric bend
20129177	Ø60/100 Vertical flue terminal kit with vertical adapter
20190475	Compact adjustable splitter device kit from Ø60/100 to Ø80/80
20129174	Ø60/100 Vertical adapter kit <sup>(A)</sup>
20129172	Ø60/100 90° Reduced concentric bend kit <sup>(A)</sup>
20129768	Flue adapter kit from Ø60/100 to Ø80 (for type B23 installation) and air inlet
20129769	Vertical flue adapter kit from Ø60/100 to Ø80 (for type B23 installation) for outdoor
<b>Complementary accessories</b>	
1220559	Outdoor probe with connector
1220599	Socket probe for DHW tank - 3m wire (only R models)
1220639	Limit thermostat for low temperature applications
20062614	Electronic board to control the supplementary pump and remote alarms
20150823	Interface remoting kit
20147627	REC10 cover kit with reset button
20035644	Solar diverter mixing valve (only C models)
20097192	Condensate pump

**EXCLUSIVE X****Accessories**

CODE	DESCRIPTION
20132795	Electronic board to control the first direct/mixed zone <sup>(C)</sup>
20132796	Electronic board to control the second/third direct/mixed zone <sup>(C) (D)</sup>
20135495	Anti-magnetic filter + polyphosphate dispenser + liquid for system (with cold water copper pipe and heating system taps)
20135496	Kit polyphosphates dispenser
20191517	Kit magnetic filter (compact)
20191518	Kit polyphosphates dispenser (compact)
20191519	Hydraulic connections under boiler cover <sup>(E)</sup> available for models with L=420mm D=275mm

(\*) Note: accessories not supplied with boilers.

(A) Code needed to use flues Ø60/100 in case of vertical exhaust; the adapter is provided as standard in cod. 20129177.

(B) Code needed to use flues Ø60/100 in case of horizontal exhaust; the bend is provided as standard in cod. 20119175 and cod. 20119176.

(C) Allows to manage one MIX zone (pump + 3-point valve) or DIR zone (only pump). Not needed if Connect Hybrid kit is chosen.

(D) Must always be present main zone control kit. The boiler can manage up to 3 total zones.

(E) Compatible with EXCLUSIVE X 25C and EXCLUSIVE X 25R.

**Hi, Comfort controls for domestic comfort (\*)**

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

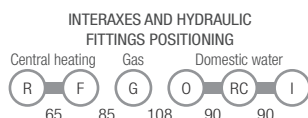
(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).



Combi wall-hung boilers with built-in DHW tank

**Beretta**

## EXCLUSIVE BOILER GREEN HE



**he** BERETTA HIGH-EFFICIENCY

- **EXCLUSIVE BOILER GREEN HE is Beretta top of the range condensing appliance with built-in tank.**
- **Built-in stainless steel DHW tank (60 litres capacity) with magnesium anode.**
- **Low Energy, A-Class, synchronous pump (EEI ≤ 0,23), PWM controlled (4 mt on 25 B.S.I. and 6 mt on 35 B.S.I.) with different working options.**
- **10 : 1 modulation ratio, the highest range of modulation.**
- The RANGE RATED certification allows to adapt the power of the boiler to the real thermal requests of the installation.
- Lowest electrical consumption (only 66 Watt on 25 B.S.I.).
- 10 lt. expansion vessel.
- **Low NOx: Class 6** According to European Directive UNI EN 15502.
- Condensing heat-exchanger in extruded aluminium providing excellent thermal transfer.
- Built-in thermoregulation with external probe supplied as standard.
- IPX5D electrical protection.
- Exclusive BOILER GREEN HE can be converted to LPG through LPG kit supplied as standard.
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

### Premix condensing

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	INPUT MIN - MAX (kW)	DHW TANK CAPACITY (litres)	ENERGY CLASS 
<b>COMBI BOILERS WITH BUILT-IN DHW TANK</b>						
20023094	NG	EXCLUSIVE BOILER GREEN HE 25 B.S.I.	940 x 600 x 450	2,50 - 25,00	60	
20031609	NG	EXCLUSIVE BOILER GREEN HE 35 B.S.I.	940 x 600 x 450	3,50 - 34,60	60	

### Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

## EXCLUSIVE BOILER GREEN HE

### Accessories

CODE	DESCRIPTION
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#### Comfort accessories

20059641	ALPHA DGT WIRELESS digital room thermostat
20059639	ALPHA DGT digital room thermostat
20101748	ALPHA 7D WIRELESS 7-day digital room thermostat
20063872	ALPHA 7D 7-day digital room thermostat
20164477	OTBus interface board

#### Hydraulic accessories

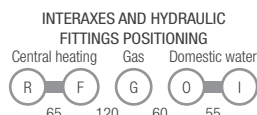
1101989	Heating taps
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#### Hydraulic accessories

1101999	Heating taps with filter
1103479	DHW recirculation kit
20097192	Condensate pump

#### Special accessories

1220639	Limit thermostat for low temperature applications
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- **New condensing heat-exchanger in stainless steel with frontal access.**
- **Active Combustion Control** via ACC System.
- High modulation (up to 1:8).
- **Low NOx: Class 6** According to European Directive UNI EN 15502.
- **Low energy modulating circulator** (EEI ≤ 0,20) electronically adjustable with four management modes.
- **Built-in non return valve** on flues allowing Mynute X<sup>(\*)</sup> certification as C<sub>(10)</sub> appliance<sup>(\*\*)</sup> for sharing chimneys under pressure.
- **HYBRID READY** boiler, that can be integrated in Beretta multi-energy systems via REC 10H, available as an accessory.
- **Flexibility of installation:** indoor, outdoor (in partially protected places) and in-wall application.
- **Click-fit flue connection:** fast and safety.
- Hydraulic connections and outdoor probe available as optional.
- **Frost protection** as standard.
- IPX5D electrical protection.
- LPG operation selectable through display parameter.
- **LPG transformation kit not necessary.** Thanks to the ACC system, the gas commutation is via electronic setting
- **Can be matched with Hi, Comfort Control working as wifi thermostat in OTBus communication, allowing extensive top advantages.**

(\*) All models except for 40C and 40R.

(\*\*) A C<sub>(10)</sub> appliance means that it is designed to become connected to a common duct system, that is designed to operate under the conditions where the static pressure in the common flue duct might exceed the static pressure in the common air duct.

## Premix condensing

CODE	GAS <sup>(1)</sup>	MODEL	DIMENSIONS H x W x D (mm)	CH INPUT DHW INPUT MIN - MAX (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)	ENERGY CLASS 	
<b>INSTANTANEOUS COMBI BOILERS</b>							
20149446	NG/LPG	MYNUTE X 25 C	740 x 420 x 275	3,60 - 20,00 3,60 - 25,00	15,1	A	A
20149447	NG/LPG	MYNUTE X 30 C	740 x 420 x 350	4,90 - 25,00 4,90 - 30,00	18,1	A	A
20149448	NG/LPG	MYNUTE X 35 C	740 x 420 x 350	4,90 - 30,00 4,90 - 34,60	20,8	A	A
20149449	NG/LPG	MYNUTE X 40 C	740 x 420 x 350	4,90 - 30,00 4,90 - 40,00	24,1	A	A
<b>HEATING ONLY BOILERS</b>							
20149450	NG/LPG	MYNUTE X 20 R (2)	740 x 420 x 275	3,60 - 20,00 3,60 - 20,00	-	A	A
20149451	NG/LPG	MYNUTE X 30 R (2)	740 x 420 x 350	4,90 - 30,00 4,90 - 34,60	-	A	-
20149452	NG/LPG	MYNUTE X 40 R (2)	740 x 420 x 350	4,90 - 30,00 4,90 - 40,00	-	A	-

(1) The LPG trasformation kit is not necessary. Thanks to the new ACC combustion system, the gas commutation is via electronic setting.

(2) The "heating only" models are supplied with a three-ways valve. Filling tap not available.

Thanks to the built-in non return valve, this model is a C<sub>(10)</sub> appliance, meaning that it "is designed to become connected to a common duct system that is designed to operate under the conditions where the static pressure in the common flue duct might exceed the static pressure in the common air duct".

## MYNUTE X

### Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

### Accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Hydraulic accessories</b>		20097192	Condensate pump
20132005	Wall-mounted hydraulic connections and gas tap kit for MYNUTE X (C models)	1220599	Socket probe for DHW tank 3m wire (only R.S.I. models)
20133386	Wall-mounted hydraulic connections and gas tap kit for MYNUTE X (R models)	20152713	Dummy for POS
20133516	Wall-mounted hydraulic connections and heating, gas and DHW taps kit for MYNUTE X (C models)	20191517	Kit magnetic filter (compact)
20133517	Wall-mounted hydraulic connections, heating and gas taps kit for MYNUTE X (R models)	20191518	Kit polyphosphates dispenser (compact)
20134477	Connections kit for IN-BOX installation for instantaneous combi versions (C models)	<b>Flues accessories</b>	
20035644	Solar diverter mixing valve (only C models)	20134830	Flue adapter kit from Ø60/100 to Ø80+80 (air inlet swelling position)
<b>Special accessories</b>		20129765	Flue adapter kit from Ø60/100 to Ø80+80
20062614	Electronic board to control the supplementary pump and remote alarms	20129175	Ø60/100 Horizontal flue terminal kit with 90° reduced concentric bend (1)
20132795	Electronic board to control the first direct/mixed zone (A)	20129176	Ø60/100 Telescopic horizontal flue terminal kit with 90° reduced concentric bend (1)
20132796	Electronic board to control the second/third direct/mixed zone (A)(B)	20129177	Ø60/100 Vertical flue terminal kit with vertical adapter (2)
1220559	Outdoor probe with connector	20129768	Flue adapter kit from Ø60/100 to Ø80 (for type B23 installation) and air inlet
20156799	Frost protection kit (for COMBI boilers)	20129769	Vertical flue adapter kit from Ø60/100 to Ø80 (for type B23 installation) for outdoor
20156800	Frost protection kit (for 'HEATING ONLY' boilers)	20129172	Ø60/100 90° Reduced concentric bend kit
20066214	Electronic board (to control the main heating zone to be used with remote control or supplementary pump)	20129174	Ø60/100 Vertical adapter kit

(A) Allow to manage a mixed zone (pump + motorized mixing valve 230Vac) or a direct zone (only pump). It is not necessary if you purchase CONNECT HYBRID.

(B) The first zone electronic board is always necessary. The boiler can manage up to three zones.

(1) It includes CODE 20129172 "90° Reduced concentric bend kit"

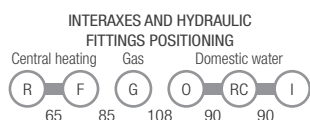
(2) It includes CODE 20129174 "Ø60/100 Vertical adapter kit"



Combi wall-hung boilers with built-in DHW tank









## MYNUTE BOILER GREEN



- **Built-in stainless steel DHW tank with magnesium anode** (capacity: 45 lt. on 25 B.S.I. E; 60 lt. on 35 B.S.I. E)
- **On ErP boilers: Low Energy, A-Class, synchronous pump** **EEI ≤ 0,20** (6 metres residual head adjustable from 4 metres to 7 metres).
- 10 : 1 modulation ratio on the new model 35 B.S.I. E
- The RANGE RATED certification allows to adapt the power of the boiler to the real thermal requests of the installation.
- **Low NOx: Class 6** According to European Directive UNI EN 15502.
- Condensing heat-exchanger in extruded aluminium providing excellent thermal transfer.
- Built-in thermoregulation (with external probe available as option).
- Ideal for low-temperature installations.
- IPX5D electrical protection.
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

### Premix condensing

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	CH INPUT DHW INPUT MIN - MAX (kW)	DHW TANK CAPACITY (litres)	ENERGY CLASS 	
<b>INSTANTANEOUS COMBI BOILERS</b>							
20142451	NG	MYNUTE BOILER GREEN 25 B.S.I. E	940 x 600 x 450	6,00 - 25,00 6,00 - 25,00	45		
20142457	NG	MYNUTE BOILER GREEN 35 B.S.I. E	940 x 600 x 450	3,50 - 34,60 3,50 - 34,60	60		

### Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

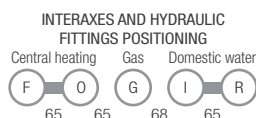
(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

## MYNUTE BOILER GREEN



### Accessories

CODE	DESCRIPTION
<b>Comfort accessories</b>	
20059641	ALPHA DGT WIRELESS digital room thermostat
20059639	ALPHA DGT digital room thermostat
20101748	ALPHA 7D WIRELESS 7- day digital room thermostat
20063872	ALPHA 7D 7-day digital room thermostat
1220559	Outdoor probe with connector
<b>Hydraulic accessories</b>	
1101989	Heating taps
1101999	Heating taps with filter
1102009	Ultra high head pump (7 metres) - for non-ErP boilers
1103479	DHW recirculation kit
20097192	Condensate pump
20085814	Hydraulic connection kit and gas/DHW taps
<b>Special accessories</b>	
1220639	Limit thermostat for low temperature applications



- New **stainless steel primary heat exchanger**, compact and robust, and **high-efficiency sanitary exchanger** developed by Beretta
- Easy installation, easy integration even in small spaces and easy replacement, thanks to a **wide range of accessories** optionally available
- Modern and intuitive **touchscreen HMI**, with representative icons and capacitive buttons with acoustic "buzzer" to confirm
- **Modulation ratio 1:8** and **93% seasonal efficiency**
- 8 litre lateral expansion tank
- **Hydraulic unit** with sequence standard **DIN connections**
- Compact dimensions **700x400x275 mm** and **low lifting weight**
- New flue flange with dedicated flue system
- Temperature control as standard in combination with the external probe, available as an accessory
- Designed to operate with mixtures of **natural gas and hydrogen**, up to a maximum of **20%**.
- **Natural gas** operation as standard with possibility of **conversion to LPG** (G31) and propane air through accessories. This modification must be carried out by the installer or by the technical assistance service
- Easy maintenance and cleaning of the combustion chamber thanks to **frontal access to the exchanger**
- IPX5D electrical protection
- Class 6 Nox

## Premix condensing

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	CH INPUT DHW INPUT MIN - MAX (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)	ENERGY CLASS 	
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### INSTANTANEOUS COMBI BOILERS

20187761	NG	CIAO X 25C	700 x 400 x 275	3.10 - 20.00 3.10 - 25.00	14.3	A	A
20187764	LPG	CIAO X 25C	700 x 400 x 275	3.10 - 20.00 3.10 - 25.00	14.3	A	A
20187765	NG	CIAO X 30C	700 x 400 x 275	3.95 - 25.00 3.95 - 30.00	17.2	A	A

### HEATING ONLY BOILERS

20187766	NG	CIAO X 15R	700 x 400 x 275	3.10 - 15.00 3.10 - 25.00	-	A	-
20187767	NG	CIAO X 25R	700 x 400 x 275	5.00 - 20.00 5.00 - 25.00	-	A	-

## Specific accessories for IN-WALL installation

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)
20161604	IN-WALL installation unit (A)	1223 x 654 x 255 (A)
20191887	Crossbar for IN-WALL installation	-

(A) Unit supplied with door.

<b>Accessories</b>
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CODE	DESCRIPTION
<b>Comfort accessories</b>	
1220559	Outdoor probe with connector
<b>Hydraulic accessories</b>	
20191518	Compact polyphosphate doser kit
20191517	Compact magnetic filter
20189142	High residual pump 7M
20192806	Crossover kit DIN vs Beretta <sup>(2)</sup>
20133516	Wall-mounted hydraulic connections and heating, gas and DHW taps kit for combi boilers <sup>(3)</sup>
20133517	Wall-mounted hydraulic connections and heating and gas taps kit for heating only boilers <sup>(4)</sup>
20132005	Wall-mounted hydraulic connections and gas tap kit for combi boilers <sup>(5)</sup>
20133386	Wall-mounted hydraulic connections and gas tap kit for heating only boilers <sup>(6)</sup>
20097192	Condensate pump
1220599	Socket probe for DHW tank - 3 m wire (only R models)
20035644	Solar diverter mixing valve
<b>Mechanical accessories</b>	
20190324	Air filter <sup>(7)</sup>
20191519	Hydraulic low fittings cover
20191884	Dummy boiler Ciao X 25C
20191891	Wall mounting frame 1 pc.
20191892	Wall mounting frame 5 pcs.
<b>Complementary accessories</b>	
20191888	Antifreeze heaters -15°C
20192808	Board BE09 with double multi-function relay <sup>(8)</sup>
20191520	Building site kit with analogue hydrometer <sup>(9)</sup>
1220639	Limit thermostat for low temperature applications
<b>Flues</b>	
20129765	Fixed split system kit Ø80 mm
20164662	Ø80/125 mm clapet with condensate trap
20164664	Ø80 mm clapet with condensate trap
20129175	Ø60/100 mm horizontal flue terminal kit with 90° reduced concentric bend
20129176	Ø60/100 mm telescopic horizontal flue terminal kit with 90° reduced concentric bend
20129177	Ø60/100 mm vertical flue terminal kit with vertical adapter
20129174	Ø60/100 mm vertical adapter kit <sup>(10)</sup>
20129172	Ø60/100 mm - 90° reduced concentric bend kit <sup>(9)</sup>
20134830	Flue adapter kit from Ø60/100 mm to Ø80+80 mm (air inlet swelling position)
20129769	Vertical flue adapter kit from Ø60/100 mm to Ø80 mm (for type B23 installation) for outdoor

CODE	DESCRIPTION
20129768	Flue adapter kit from Ø60/100 mm to Ø80 mm (for type B23 installation) and air inlet
20190475	Compact swelling kit Ø60/100 mm - Ø80/80 mm
20194628	Ø60/100 mm PP/PPu - Short flue terminal kit <sup>(1)</sup>

(1) Minimum order quantity 50 pcs.

(2) Flexible connections (sanitary, gas and heating) kit required to facilitate the replacement of Ciao X boilers with previous boilers with Beretta standard hydraulic connection sequence.

(3) Kit consists of n.2 taps (flow and return), n.1 gas tap, n.1 domestic water tap, n.2 copper ramps (DHW inlet and outlet), n.2 copper ramps (flow and return), n.2 1/2" compression fittings, n.2 3/4" compression fittings, n.2 1/2" hexagonal nuts, n.2 3/4" hexagonal nuts, set of seals.

(4) Kit consists of n.2 taps (flow and return), n.1 gas tap, n.2 copper ramps (flow and return), n.2 3/4" compression fittings, n.2, n.2 3/4" hexagonal nuts, set of seals.

(5) Kit consists of n.1 gas tap, n.1 domestic water tap, n.2 copper ramps (DHW inlet and outlet), n.2 copper ramps (flow and return), n.2 1/2" compression fittings, n.2 3/4" compression fittings, n.2 1/2" hexagonal nuts, n.2 3/4" hexagonal nuts, set of seals.

(6) Kit consists of n.1 gas tap, n.2 copper ramps (flow and return), n.2 3/4" compression fittings, n.2 3/4" hexagonal nuts, set of seals.

(7) Ideal to avoid introducing impurities from the intake air into the exchanger and burner.

(8) Ideal board for managing additional circulator, alarm remote kit and zone valve.

(9) Code necessary for horizontal exhaust with flue system Ø60/100 mm.

(10) Code necessary for vertical exhaust with flue system. Accessory already included in kit 20129177.

### Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R
20168501	Smart key Hi, Comfort K100

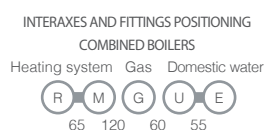
(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).









## METEO X



- Layout with electro-galvanized and zinc-magnesium finishes specifically for outdoor installation, top and bottom covers provided as standard
- Frost protection up to  $-15^{\circ}\text{C}$  as standard, electrical protection rating IPX5D
- Stainless steel primary condensing heat exchanger with front accessibility, smooth tube with high section and geometry with a single coil wound
- Native Hybrid Ready system with color REC10 MH remote control panel supplied as standard
- Low consumption modulating circulator ( $\text{EEI} \leq 0,20$ ) with 7m head curve
- 9 liter side expansion tank
- 1:8 modulation ratio
- Arranged to operate with mixtures of natural gas and hydrogen, up to a maximum 20% (in line with environmental sustainability goals and the decarbonization pathway initiated by the European Union)
- C10 certification: possibility of installation in pressurized collective flues via optionally available clapet non-return valve <sup>(1)</sup>
- Easy plant loading system
- Hydraulic group with Beretta connection sequence, ideal for replacement
- 93% seasonal efficiency
- LPG and Propane or Propane Air conversion kits available. For gas conversion, contact authorized Beretta Technical Service Centers

(1) METEO X is C10 certified in case of natural gas operation

## Premixed condensing boiler

CODE	MODEL	DIMENSION H x L x P (mm)	CH INPUT DHW INPUT Min - Max (kW)	DHW PRODUCTION (l/min-Δt 25°C)	CLASS	
						
INSTANTANEOUS COMBI BOILERS						
20191298	METEO X 25C	740 x 420 x 275	3,1-20/3,1-25	14,3		
20191299	METEO X 30C	740 x 420 x 275	3,95-25/3,95-30	17,2		

## Accessories

CODE	DESCRIPTION
<b>MECHANICAL ACCESSORIES</b>	
20190324	Air filter
<b>HYDRAULIC ACCESSORIES(*)</b>	
20132005	<b>Wall-mounted hydraulic connections and gas tap kit for combi boilers</b> Kit consists of n.1 gas tap, n.1 domestic water tap, n.2 copper ramps (DHW inlet and outlet), n.2 copper ramps (flow and return), n.2 1/2" compression fittings, n.2 3/4" compression fittings, n.2 1/2" hexagonal nuts, n.2 3/4" hexagonal nuts. A set of seals completes the kit.
20133516	<b>Wall-mounted hydraulic connections and heating, gas and DHW taps kit for combi boilers</b> Kit consists of n.2 taps (flow and return), n.1 gas tap, n.1 domestic water tap, n.2 copper ramps (DHW inlet and outlet), n.2 copper ramps (flow and return), n.2 1/2" compression fittings, n.2 3/4" compression fittings, n.2 1/2" hexagonal nuts, n.2 3/4" hexagonal nuts. A set of seals completes the kit.
20035644	Solar diverter mixing valve kit
20192806	Flexible fittings kit for conversion DIN vs Beretta <sup>(1)</sup>
20191517	Compact magnetic water filter kit
20191518	Compact polyphosphate doser kit
<b>FLUE GAS DISCHARGE ACCESSORIES</b>	
20164662	Concentric clapet kit Ø80 mm for pressurized collective flues
20164664	Clapet kit Ø80 mm for pressurized collective flues
20134830	Split system kit with variable position air inlet
20129172	90° lowered bend kit Ø60/100 mm for boiler start <sup>(2)</sup>
20129174	Ø60/100 mm vertical adapter kit <sup>(3)</sup>
20129175	Ø60/100 mm horizontal flue terminal kit <sup>(3)</sup>
20129176	Ø60/100 mm telescopic terminal kit
20129177	Ø60/100 mm vertical terminal kit
20129765	Split system kit Ø80 mm <sup>(4)</sup>
20129768	B23 split flue discharge adapter Ø80 mm with air inlet <sup>(4)</sup>
20129769	B23 flue discharge adapter from Ø60/100 to Ø80 mm with air intake

## METEO X

CODE	DESCRIPTION
<b>COMPLEMENTARY ACCESSORIES</b>	
1220559	<b>Outdoor temperature probe kit with connector</b> The outdoor probe kit allows the outdoor temperature to be detected and the climatic modulation program to be activated. It can be installed on the wall and connected directly into the board present in the boiler. External probe not required if the boiler is combined with Hi, Comfort T100 control (class A+ system). Necessarily to be provided in the case of hybrid systems with the boiler for the management of energy sources operating methods.
1220639	Limit thermostat for low temperature applications
20192808	Board BE09 with double multi-function relay
20097192	<b>Condensate booster pump kit</b> Piston pump with integrated tank (0.37 liters) specifically designed to evacuate acidic condensates. Kit consisting of n. 1 piston pump, n. 1 integrated detection block, n. 1 connecting cable L=1.5m, n. 2 wires for power supply, n. 2 wires for safety alarm counter, wall mounting support
20132795	Control of first DIR/MIX zone <sup>(C)</sup>
20132796	Control of second/third DIR/MIX zone <sup>(C)(D)</sup>

(1) Flexible connections (sanitary, gas and heating) kit required to facilitate the replacement of Meteo X boilers with previous boilers with DIN standard hydraulic connection sequence.

(2) Code necessary for horizontal exhaust with flue system Ø60/100 mm. Accessory already included in kits 20129175 and 20129176.

(3) Code required in case of vertical exhaust with flue. Accessory already included in kit 20129177.

(4) Compatible flue accessories in case of removing the top cover and installing the boiler not in the open.

(C) Allows you to manage a MIX zone (pump + 3-point mixer valve) or DIR zone (only pump). Not necessary if the Connect Hybrid kit is purchased.

(D) The first zone management kit must always be present. The boiler can manage up to 3 zones in total.

(\*) Note: accessories not supplied with boilers

**Hi, Comfort controls for managing domestic comfort**

















CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) With connection via BUS.

(\*\*) In on/off management.



with INSTANTANEOUS DHW PRODUCTION

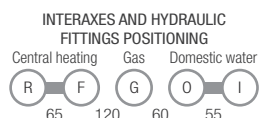
	EXCLUSIVE MIX	non ErP compliant (*)	26 (NG) 30 (NG) 35 (NG)	—
	MYNUTE Lx	 	—	24 (NG) 28 (NG)
	MYNUTE S	non ErP compliant (*)	24 (NG - LPG) 28 (NG - LPG) 35 (NG)	24 (NG) 28 (NG)
	CIAO S	non ErP compliant (*)	20 (NG) 24 (NG - LPG)	—
	CITY	non ErP compliant (*) (**)	24 (NG) 28 (NG) 35 (NG)	24 (NG) 28 (NG)
	QUADRA II Lx	 	—	24 (NG)
	QUADRA II <sup>(1)</sup>	non ErP compliant (*)	24 (NG) 28 (NG)	—
	CIAO Lx	 	—	24 (NG - LPG)
	CIAO	non ErP compliant (*)	20 (NG) 24 (NG) 28 (NG - LPG)	24 (NG) 28 (NG)
	CIAO	non ErP compliant (*) (**)	16 (NG) 24 (NG) 28 (NG)	24 (NG) 28 (NG)

(\*) According to the European Directive ERP, these products are not allowed to be placed on the European market by the manufacturer since 01/08/2015.

(\*\*) Only for Russia & CIS countries.

(1) With new DIN connections to enable an easy installation in buildings with the same configuration.

'HEATING-ONLY' MODELS		DHW PRODUCTION	Hi, Comfort Wi-Fi
room-sealed	conventional flue		
30 (NG) 35 (NG)	—	via DHW heat-exchanger in stainless steel	compatible (as option)
—	—	via DHW heat-exchanger in stainless steel	compatible (as option)
28 (NG) 35 (NG)	—	via DHW heat-exchanger in stainless steel	compatible (as option)
24 (NG)	—	via DHW heat-exchanger in stainless steel	compatible (as option)
24 (NG) 28 (NG)	—	via DHW heat-exchanger in stainless steel	compatible (as option)
—	—	via DHW heat-exchanger in stainless steel	compatible (as option)
—	—	via DHW heat-exchanger in stainless steel	compatible (as option)
		via DHW heat-exchanger in stainless steel	compatible (as option)
—	—	via bithermic heat-exchanger in copper	compatible (as option)
—	—	via bithermic heat-exchanger in copper	compatible (as option)



- Air/gas electronic combustion control = constant efficiency.
- Automatic room-temperature adjustment system (S.A.R.A. Booster).
- User-friendly and intuitive digital back-lit display.
- Easy filling system directly from the panel.
- "Comfort" functions.
- IPX5D electrical protection.
- Built-in thermoregulation (with external probe as option).
- Hydraulic connections cover supplied as standard.
- Modulating fan (only on room-sealed models).
- Hydraulic connections, gas and DHW taps supplied as standard.
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

**Room-sealed (modulating air/gas)**

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
1150343	NG	EXCLUSIVE MIX 26 C.S.I.	805 x 400 x 332	26.00	15,0
1150673	NG	EXCLUSIVE MIX 30 C.S.I.	805 x 450 x 332	30.00	17,4
1150383	NG	EXCLUSIVE MIX 35 C.S.I.	805 x 500 x 332	35.00	20,2
<b>HEATING ONLY BOILERS*</b>					
1150353	NG	EXCLUSIVE MIX 30 R.S.I.	805 x 450 x 332	30.00	-
20029161	NG	EXCLUSIVE MIX 35 R.S.I.	805 x 500 x 332	35.00	-

\* The 'heating only' models are supplied with a three-ways valve. Filling tap not available.

## EXCLUSIVE MIX

## Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

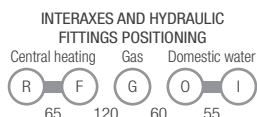
(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

## Other accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		<b>Hydraulic accessories</b>	
20059641	ALPHA DGT WIRELESS digital room thermostat	1101989	Heating taps
20059639	ALPHA DGT digital room thermostat	1101999	Heating taps with filter (for combi models)
20101748	ALPHA 7D WIRELESS 7-day digital room thermostat	1220599	Socket probe for DHW tank - 3m wire (for R.S.I. models)
20063872	ALPHA 7D 7-day digital room thermostat	20025113	Solar diverter mixing valve (including flexible stainless steel connection pipes)
20164477	OTBus interface board	1101979	High head pump (6 metres ) - (for 26/30 C.S.I. models)
1220559	Outdoor probe with connector	<b>Special accessories</b>	
		20071580	Dummy Exclusive MIX for POS

**MYNUTE Lx - MYNUTE S****On Lx models only:**

- **New low NOx emissions cooled burner (Class 6** - According to European Directive UNI EN 15502).
- **Low Energy, synchronous pump EEl ≤ 0,20.**
- Primary heat exchanger in copper.
- DHW plate heat exchanger in stainless steel.
- Two air inlet holes (right and left side).
- Expansion vessel 9 litres.
- Intuitive and easy-to-use control panel with backlit digital display.
- Built-in thermoregulation (external temperature probe as option).
- IPX5D electrical protection.
- Lower cover available as option (for 24 C.S.I., 28 C.S.I., 28 R.S.I. models).
- Hydraulic connections, gas and DHW taps available as option.
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

**Conventional flue**

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)	ENERGY CLASS 	
<b>INSTANTANEOUS COMBI BOILERS</b>							
20151436	NG	MYNUTE 24 C.A.I. Lx	740 x 400 x 338	24,06	13,8		
20151438	NG	MYNUTE 28 C.A.I. Lx	740 x 452 x 338	28,87	16,6		

**Note:** Boilers to be connected only to a flue, shared between multiple dwellings in existing buildings.

**Conventional flue**

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20074588	NG	MYNUTE S 24 C.A.I. E	740 x 400 x 336	24,00	13,7
20069390	NG	MYNUTE S 28 C.A.I. E	740 x 452 x 336	28,00	16,5

**Room-sealed**

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20069385	NG	MYNUTE S 24 C.S.I.	740 x 400 x 336	24,00	13,9

## MYNUTE Lx - MYNUTE S

### Room-sealed

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20069387	NG	MYNUTE S 28 C.S.I.	740 x 400 x 336	28,00	16,0
20069389	LPG	MYNUTE S 28 C.S.I.	740 x 400 x 336	28,00	16,0
20069392	NG	MYNUTE S 35 C.S.I.	780 x 505 x 336	35,00	20,0
<b>HEATING ONLY BOILERS*</b>					
20069391	NG	MYNUTE S 28 R.S.I.	740 x 400 x 336	28,00	-
20069395	NG	MYNUTE S 35 R.S.I.	780 x 505 x 336	35,00	-

\* The "heating only" models are supplied with a three-ways valve. Filling tap not available.

### Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

## MYNUTE Lx - MYNUTE S

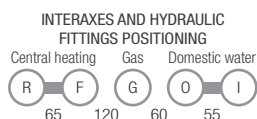
### Other accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		20155101	LPG gas transformation kit for 28 CAI Lx model
20059641	ALPHA DGT WIRELESS digital room thermostat	1101999	Heating taps with filter
20059639	ALPHA DGT digital room thermostat	1220599	Socket probe for DHW tank - 3m wire (for R.S.I. models)
20101748	ALPHA 7D WIRELESS 7- day digital room thermostat	20025113	Solar diverter valve (including flexible stainless steel connection pipes)
20063872	ALPHA 7D 7- day digital room thermostat	20051629	Lower cover (only for 24 C.S.I., 28 C.S.I., 28 R.S.I. models)
1220559	Outdoor probe with connector	20008794	Hydraulic connections kit (for welding)
<b>Hydraulic accessories</b>		20051979	Hydraulic connections kit (with brass nipples)
1101989	Heating taps	1101979	High head pump (6 metres) - for non-ErP boilers
20155079	LPG gas transformation kit for 24 CAI Lx model	20105959	High head Low Energy pump (7 metres) - for ErP boilers



## Combi and 'heating only' wall-hung boilers

# CIAO S



- Primary heat exchanger in copper.
- DHW plate heat exchanger in stainless steel.
- Efficiency ★★★ according to European Directive EEC 92/42.
- Two air inlet holes (right and left side).
- Expansion vessel 8 litres.
- 3-speed circulator 5 metres (4 metres single-speed on 20 kW version).
- Intuitive and easy-to-use control panel with backlit digital display.
- Built-in thermoregulation (external temperature probe as option).
- IPX5D electrical protection.
- Frost protection kit till -10 °C available as option.
- Upper and lower cover available as option.
- Hydraulic connections, gas and DHW taps available as option.
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

### Room-sealed

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20068208	NG	CIAO S 20 C.S.I.	715 x 405 x 248	20,00	11,8
20068204	NG	CIAO S 24 C.S.I.	715 x 405 x 248	24,00	13,7
20068228	LPG	CIAO S 24 C.S.I.	715 x 405 x 248	24,00	13,7
<b>HEATING ONLY BOILERS *</b>					
20068207	NG	CIAO S 24 R.S.I.	715 x 405 x 248	24,00	-

\* The "heating only" models is supplied with a three-ways valve. Filling tap not available.

**Hi, Comfort controls for domestic comfort (\*)**

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

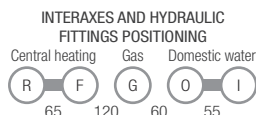
(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

**Other accessories**

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		20008794	Hydraulic connections kit (for welding)
20059641	ALPHA DGT WIRELESS digital room thermostat	20008795	Hydraulic connections kit (with brass nipples)
20059639	ALPHA DGT digital room thermostat	20025113	Solar diverter mixing valve kit (including flexible stainless steel connection pipes)
20101748	ALPHA 7D WIRELESS 7- day digital room thermostat	1101979	High head pump (6 metres)
20063872	ALPHA 7D 7- day digital room thermostat	1220599	Socket probe for DHW tank - 3m wire (only R.S.I. models)
1220559	Outdoor probe with connector	<b>Special accessories</b>	
<b>Hydraulic accessories</b>		20012594	Lower cover
1101989	Heating taps	20012595	Upper cover
1101999	Heating taps with filter	20164821	Frost protection resistances kit down to -10°C (C.S.I. models)**

(\*\*) Together with the installation of the frost protection resistances kit (code 20164821), it is necessary to install the lower cover (code 20012594).



Single-circuit (R.S.I.) and double-circuit (C.S.I.) CITY wall-hung gas boiler with room-sealed combustion chamber and double-circuit (C.A.I.) CITY wall-hung gas boiler with open combustion chamber, designed for space heating and the supply of DHW for various purposes. These models are ideal for use in flat heating systems.

- **Separate heat exchangers for heating and domestic hot water (for C.S.I. and C.A.I.).**
- **Control panel LCD display.**
- **Two holes for air duct connection in case of separate chimney and air intake (for R.S.I. and C.S.I.).**
- **Ability of receiving a lockout signal for remote transmission (using an optional accessory).**
- **Possibility of connecting a separate boiler - domestic hot water storage tank (for 24-28 R.S.I.).**
- Built-in weather compensation function (when an outdoor temperature sensor is installed).
- Three-speed circulation pump.
- Built-in three-way valve for DHW (for CITY R.S.I.).
- Burner with continuous modulating power control.
- Built-in automatic refrigerant temperature control system.
- Built-in wiring and safety systems.
- Protection against freezing and locking of the pump and three-way valve.
- Priority to hot water.
- Capacity to operate with liquefied gas.
- Fault self-diagnosis system with information output on LCD display.
- Option to connect a remote control.

## Room-sealed

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20087846	NG	CITY 24 C.S.I.	715 x 405 x 248	23.90	13.7
20087848	NG	CITY 28 C.S.I.	740 x 400 x 332	28.00	16.1
20049747	NG	CITY 35 C.S.I.	780 x 505 x 332	34.90	20.0
<b>HEATING ONLY BOILERS *</b>					
20087845	NG	CITY 24 C.A.I.	715 x 405 x 248	24.10	-
20087847	NG	CITY 28 C.A.I.	740 x 400 x 332	29.00	-

\* The "heating only" models is supplied with a three-ways valve. Filling tap not available.  
Note: models available only for RUSSIA & CIS Countries.

## CITY

## Conventional flue

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20087845	NG	CITY 24 C.A.I.	740 x 400 x 332	24.10	13.8
20087847	NG	CITY 28 C.A.I.	740 x 450 x 332	29.00	16.6

Note: models available only for RUSSIA & CIS Countries.

## Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

## Other accessories

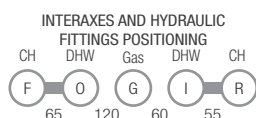
CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		20008794	Hydraulic connections kit (for welding)
20059641	ALPHA DGT WIRELESS digital room thermostat	20008795	Hydraulic connections kit (with brass nipples)
20059639	ALPHA DGT digital room thermostat	20025113	Solar diverter mixing valve kit (including flexible stainless steel connection pipes)
20101748	ALPHA 7D WIRELESS 7- day digital room thermostat	1101979	High head pump (6 metres)
20063872	ALPHA 7D 7- day digital room thermostat	1220599	Socket probe for DHW tank - 3m wire (only R.S.I. models)
1220559	Outdoor probe with connector	<b>Special accessories</b>	
<b>Hydraulic accessories</b>		20012594	Lower cover
1101989	Heating taps	20012595	Upper cover
1101999	Heating taps with filter	20164821	Frost protection resistances kit down to -10°C (C.S.I. models)**

(\*\*) Together with the installation of the frost protection resistances kit (code 20164821), it is necessary to install the lower cover (code 20012594).



## Combi low NOx wall-hung boilers

### QUADRA II Lx - QUADRA II



#### On Lx models only:

- **New low NOx emissions cooled burner (Class 6** - According to European Directive UNI EN 15502).
- **Low Energy, synchronous pump  $EEI \leq 0,20$ .**
- Primary heat exchanger in copper.
- DHW plate heat exchanger in stainless steel.
- Efficiency ★★★ according to European Directive EEC 92/42 (on room-sealed models).
- Two air inlet holes (right and left side).
- Expansion vessel 8 litres.
- 3-speed circulator, located on the right side of the boiler (no ErP models).
- Intuitive and easy-to-use control panel with backlit digital display.
- Compact dimensions and low lift weight enable a flexible installation with the boiler able to be sited almost anywhere in the home.
- **DIN connections**, to enable an easy installation both as a replacement or in new buildings with the same configuration.
- Built-in thermoregulation (external temperature probe as option).
- Hydraulic connections, gas and DHW taps available as option.
- QUADRA II can be converted to LPG through specific LPG kit (as option).
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

### Conventional flue



CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)	ENERGY CLASS 	
<b>INSTANTANEOUS COMBI BOILERS</b>							
20151439	NG	QUADRA II 24 C.A.I. Lx	740 x 400 x 328	24,06	13,8		

**Note:** Boilers to be connected only to a flue, shared between multiple dwellings in existing buildings.

### Room-sealed

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20084087	NG	QUADRA II 24 C.S.I.	715 x 405 x 250	24,00	13,7
20097272	NG	QUADRA II 28 C.S.I.	740 x 400 x 328	28,00	16,3

## QUADRA II Lx - QUADRA II

### Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

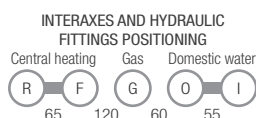
### Other accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		20008794	Kit hydraulic connections (for welding)
20059641	ALPHA DGT WIRELESS digital room thermostat	20008795	Kit hydraulic connections (with brass nipples)
20059639	ALPHA DGT digital room thermostat	20025113	Solar diverter mixing valve (including flexible stainless steel connection pipes)
20101748	ALPHA 7D WIRELESS 7-day digital room thermostat	1101979	High head pump (6 metres) - for non-ErP boilers
20063872	ALPHA 7D 7-day digital room thermostat	20105959	High head Low Energy pump (7 metres) - for ErP boilers
1220559	Outdoor probe with connector	<b>Special accessories</b>	
<b>Hydraulic accessories</b>		20012594	Lower cover
1101989	Heating taps	20012595	Upper cover
1101999	Heating taps with filter	20155105	LPG gas transformation kit for 24 CAI Lx model



## Combi low NOx wall-hung boilers

### CIAO Lx - CIAO



#### On Lx models only:

- **New low NOx emissions cooled burner (Class 6** - According to European Directive UNI EN 15502).
- **Low Energy, synchronous pump  $EEL \leq 0,20$ .**
- Bithermic heat-exchanger (for non ErP boilers).
- Efficiency ★★★ according to European Directive EEC 92/42 (on room-sealed models).
- Two air inlet holes (right and left side).
- Expansion vessel 8 litres.
- 4 metres single-speed circulator on 20-24 kW versions (non-ErP boilers).
- 5 metres 3-speed circulator on 28 kW versions (non-ErP boilers).
- Intuitive and easy-to-use control panel with backlit digital display.
- Built-in thermoregulation (external temperature probe as option).
- IPX5D electrical protection.
- Frost protection kit down to -10 °C available as option.
- Upper and lower cover available as option (on 20-24 C.S.I. models).
- Hydraulic connections, gas and DHW taps available as option.
- **Can be matched with Hi, Comfort Control working as WiFi thermostat in OTBus communication, allowing extensive TOP advantages.**

### Conventional flue



CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)	ENERGY CLASS 	
<b>INSTANTANEOUS COMBI BOILERS</b>							
20151648	NG	CIAO 24 C.A.I. Lx	740 x 400 x 340	24,06	13,8		
20151437	LPG	CIAO 24 C.A.I. Lx	740 x 400 x 340	24,06	13,8		

**Note:** Boilers to be connected only to a flue, shared between multiple dwellings in existing buildings.

### Conventional flue

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20070518	NG	CIAO 24 C.A.I. e	740 x 400 x 332	24,00	13,6
20070520	NG	CIAO 28 C.A.I. e	740 x 400 x 332	28,00	16,3

## CIAO Lx - CIAO

## Room-sealed

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20070516	NG	CIAO 24 C.S.I. e	715 x 405 x 248	24,00	13,7
20070517	NG	CIAO 28 C.S.I. e	740 x 450 x 332	28,00	16,2
20070522	LPG	CIAO 28 C.S.I. e	740 x 450 x 332	28,00	16,2

## Hi, Comfort controls for domestic comfort (\*)

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

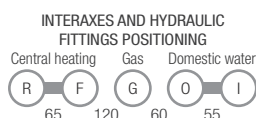
(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

## Other accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		20008794	Kit hydraulic connections (for welding)
20059641	ALPHA DGT WIRELESS digital room thermostat	20008795	Kit hydraulic connections (with brass nipples)
20059639	ALPHA DGT digital room thermostat	1101979	High head pump - 6 metres (for 20-24 C.S.I models) - for non-ErP boilers
20101748	ALPHA 7D WIRELESS 7-day digital room thermostat	20105959	High head Low Energy pump (7 metres) - for ErP boilers
20063872	ALPHA 7D 7-day digital room thermostat	<b>Special accessories</b>	
1220559	Outdoor probe with connector	20012594	Lower cover (only for CIAO 20-24 C.S.I)
<b>Hydraulic accessories</b>		20012595	Upper cover (only for CIAO 20-24 C.S.I)
1101989	Heating taps	20164821	Frost protection resistances kit down to -10°C (only for CIAO 20-24 C.S.I)*
1101999	Heating taps with filter	20155079	LPG gas transformation kit for 24 CAI Lx model
20025113	Solar diverter valve (including flexible stainless steel connection pipes)		

(\*) Together with the installation of the frost protection resistances kit (code 20164821), it is necessary to install the lower cover (code 20012594).

 >> NEW



Double-circuit CIAO wall-hung gas boiler with room-sealed (C.S.I.) and open (C.A.I.) combustion chambers designed for heating and hot water production in spaces of various uses. These models are optimal for use in flat heating systems.

- Coaxial heat exchangers for heating and domestic hot water.
- Control panel LCD display.
- Two holes for air duct connection in case of separate flue gas discharge and air intake (for C.S.I.).
- Ability to receive a lockout signal for remote transmission (using an optional accessory).
- Built-in weather-compensated function (when an outdoor temperature sensor is installed).
- Three-speed circulation pump.
- Automatic electric ignition and flame presence monitoring function.
- Burner with continuous power modulation.
- Built-in automatic coolant temperature control system.
- Built-in wiring and safety systems.
- Frost protection and pump lock.
- Hot water priority.
- Operating capability with liquefied gas.
- Fault self-diagnosis system with information output on LCD display.
- Possibility of connecting a remote control.

## Room-sealed

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20068314	NG	CIAO 16 C.S.I.	715 x 405 x 248	16.00	11.8
20048923	NG	CIAO 24 C.S.I.	715 x 405 x 248	23.90	13.7
20049343	NG	CIAO 28 C.S.I.	740 x 400 x 332	28.20	16.2

Note: models available only for RUSSIA & CIS Countries.

## Conventional flue

According to the European Directive ERP, the following products are not allowed to be placed on the European market by the manufacturer since 01/08/2015

CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 25 °C)
<b>INSTANTANEOUS COMBI BOILERS</b>					
20049246	NG	CIAO 24 C.A.I.	740 x 400 x 332	23.80	13.6
20049702	NG	CIAO 28 C.A.I.	740 x 400 x 332	28.50	16.3

Note: models available only for RUSSIA & CIS Countries.

**Hi, Comfort controls for domestic comfort (\*)**

CODE	DESCRIPTION
20193354	Thermostat Hi, Comfort T100 Wi-fi <sup>(1)</sup>
20193352	Thermostat Hi, Comfort T100 <sup>(2)</sup>
20193355	Wi-Fi box Hi, Comfort G100-W for internet connection via home ADSL router
20193356	RF - Wireless boiler receiver Hi, Comfort G100-R

(\*) Possibility of ON/OFF connection: for further details, refer to the pages dedicated to the Hi, Comfort Control in the THERMOREGULATION section of the Price List Catalogue.

(1) With Wi-Fi Box Hi, Comfort G100-W included for Internet connection via home ADSL Wi-Fi router.

(2) For cable connection to the boiler. Compatible for radio frequency connection with Hi, Comfort G100-W code 20193355 (accessory not included and necessary for Internet connection via home ADSL router).

**Other accessories**

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Comfort accessories</b>		1101999	Heating taps with filter
20059641	ALPHA DGT WIRELESS digital room thermostat	20025113	Solar diverter valve (including flexible stainless steel connection pipes)
20059639	ALPHA DGT digital room thermostat	20008794	Kit hydraulic connections (for welding)
20101748	ALPHA 7D WIRELESS 7-day digital room thermostat	20008795	Kit hydraulic connections (with brass nipples)
20063872	ALPHA 7D 7-day digital room thermostat	<b>Special accessories</b>	
1220559	Outdoor probe with connector	20012594	Lower cover (only for CIAO 20-24 C.S.I)
<b>Hydraulic accessories</b>		20012595	Upper cover (only for CIAO 20-24 C.S.I)
1101989	Heating taps	20164821	Frost protection resistances kit down to -10°C (only for CIAO 20-24 C.S.I)*

(\*) Together with the installation of the frost protection resistances kit (code 20164821), it is necessary to install the lower cover (code 20012594).



- Hydraulic separators to be matched with EXCLUSIVE C/R boilers in hybrid systems.
- **Low Energy self-modulating pumps (EEI≤0,20).**
- For direct zone, two direct zones, or 1 high temperature zone and 1 low temperature zone.
- Motorized mixing valve on mixed zone.
- Setting of independent climatic curves for each zone.
- **To be used with control manager REC10 H.**
- Limit thermostat for low temperature installations supplied as standard.
- Specifically designed only for in-wall installations (INDOOR and OUTDOOR).
- Possibility to connect the zones thermostats.

### Connect Hybrid - Low Energy with motorized mixed zones

CODE	MODEL	ZONES	DIMENSIONS H x W x D (mm)
20130801	CONNECT HYBRID 1D <sup>(1)</sup> <sup>(2)</sup>	1 direct zone	see BOX
20130802	CONNECT HYBRID 2D <sup>(1)</sup> <sup>(2)</sup>	2 direct zones	see BOX
20130803	CONNECT HYBRID AT/BT <sup>(1)</sup> <sup>(3)</sup>	1AT/BT (motorized)	see BOX

(1) Supplied without built-in Box (code 20130808), for the installation it is necessary to purchase it.

(2) Equipped as standard with limit thermostat for low temperature systems.

(3) Mixed zone equipped as standard with limit thermostat for low temperature systems.

### Box for Connect

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)
20130808	BOX for CONNECT*	720 x 400 x 160
20131752	Taps kit for Connect Hybrid	-

(\*) For the installation it is necessary to purchase built-in BOX.

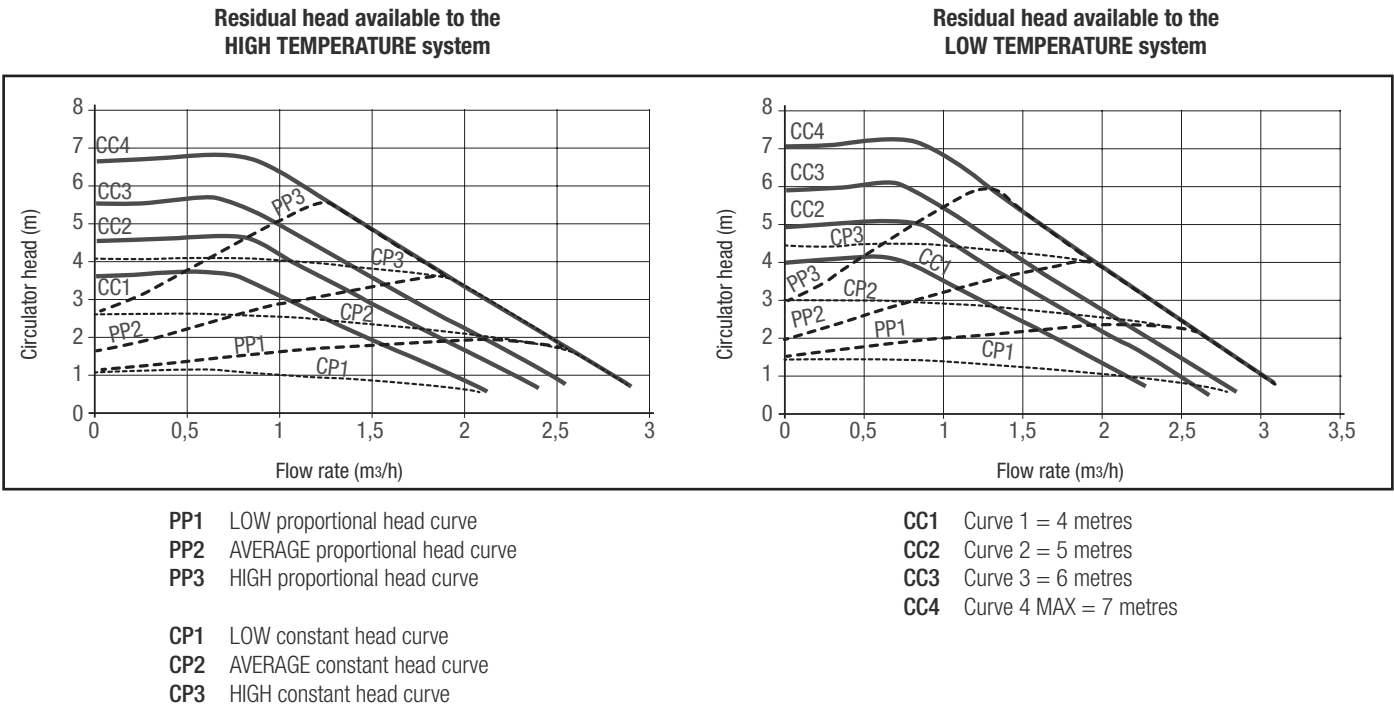
CONNECT HYBRID

Accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
20134449	REC 10H Control manager*	20134478	REC 10H Power supply unit **

(\*) Control for hybrid systems, in accordance with the layouts provided, to be installed in EXCLUSIVE boiler. Fulfils the role of system single manager. Includes wall mounting kit in case of use as single zone manager.  
(\*\*) Required if REC 10H is used as single zone manager (wall installation).

Connect Hybrid with direct or mixed zones





- Can be matched with all Beretta condensing and standard-efficiency wall-hung and floor-standing boilers.
- **Low Energy auto-modulating pumps (EEI≤0,20).**
- Limit thermostat for low temperature installations supplied as standard.
- Specifically designed only for in-box installations (INDOOR and OUTDOOR).
- IPX4D electrical protection.
- Possibility to connect the zones thermostats.

**Connect LE - Low Energy with direct zones**

CODE	MODEL	ZONES	DIMENSIONS H x W x D (mm)
20083968	CONNECT LOW ENERGY 1D LE (*)	1 direct zone (high head)	see BOX
20083969	CONNECT LOW ENERGY 2D LE (*)	2 direct zones	see BOX
20083970	CONNECT LOW ENERGY 3D LE (*)	3 direct zones	see BOX

(\*) For the installation it is necessary to purchase the BOX (code 20007305)

**Box for Connect**

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)
20007305	BOX for CONNECT	720 x 400 x 160

**Accessories**

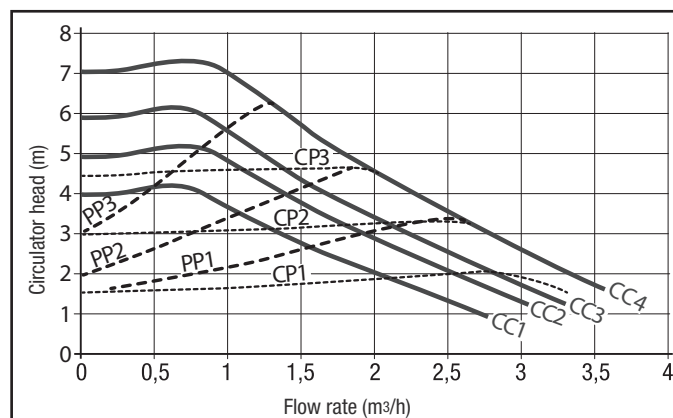
CODE	DESCRIPTION	CODE	DESCRIPTION
20085456	Insulation kit CONNECT LE (*)	20164477	OTBus interface board for EXCLUSIVE GREEN e and EXCLUSIVE BOILER GREEN he

(\*) To be installed before introducing the CONNECT into the BOX.

# CONNECT LE

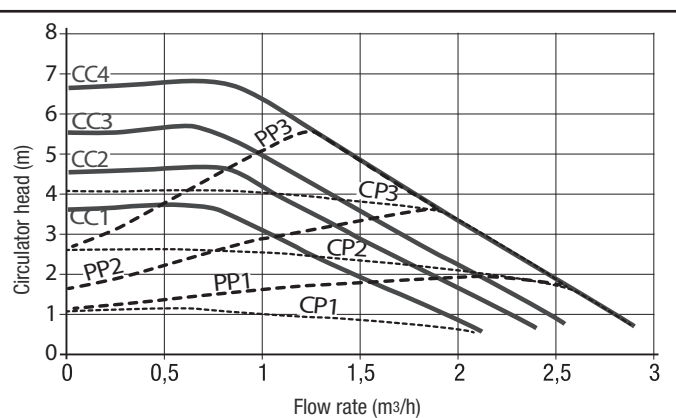
## Connect LE with direct zones

Residual head available to the system  
for CONNECT 1D LE



- PP1** LOW proportional head curve
- PP2** AVERAGE proportional head curve
- PP3** HIGH proportional head curve
- CP1** LOW constant head curve
- CP2** AVERAGE constant head curve
- CP3** HIGH constant head curve

Residual head available to the system  
for CONNECT 3D LE / CONNECT 2D LE



- CC1** Curve 1 = 4 metres
- CC2** Curve 2 = 5 metres
- CC3** Curve 3 = 6 metres
- CC4** Curve 4 MAX = 7 metres

**CONNECT LE**

- Can be matched with all Beretta condensing and standard-efficiency wall-hung and floor-standing boilers.
- **Low Energy auto-modulating pumps (EEI≤0,20).**
- 3-ways motorized mixing valve.
- Independent climatic bends setting for each zone.
- Electronic management board supplied as standard.
- Limit thermostat for low temperature installations supplied as standard.
- Specifically designed only for in-box installations (INDOOR and OUTDOOR).
- IPX4D electrical protection.
- Possibility to connect the zones thermostats.

**Connect LE - Low Energy with motorized mixed zones**

CODE	MODEL	ZONES	DIMENSIONS H x W x D (mm)
20083971	CONNECT LOW ENERGY AT/BT LE (*)	1AT+1BT	see BOX
20083972	CONNECT LOW ENERGY AT/2BT LE (*)	1AT+2BT	see BOX

(\*) For the installation it is necessary to purchase the BOX (code 20007305)

**Box for Connect**

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)
20007305	BOX for CONNECT	720 x 400 x 160

**Accessories**

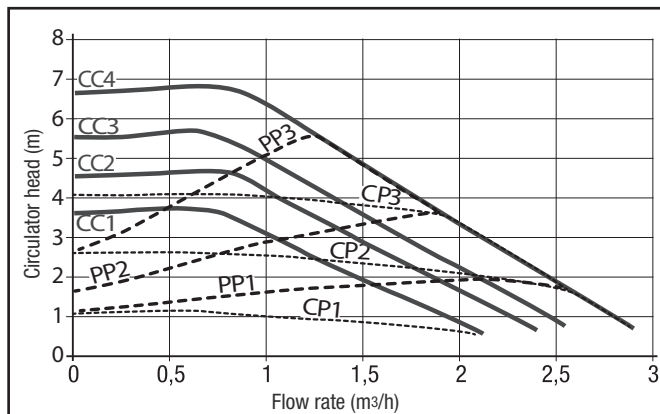
CODE	DESCRIPTION	CODE	DESCRIPTION
20085456	Insulation kit CONNECT LE (*)	20164477	OTBus interface board for EXCLUSIVE GREEN e and EXCLUSIVE BOILER GREEN he

(\*) To be installed before introducing the CONNECT into the BOX.

# CONNECT LE

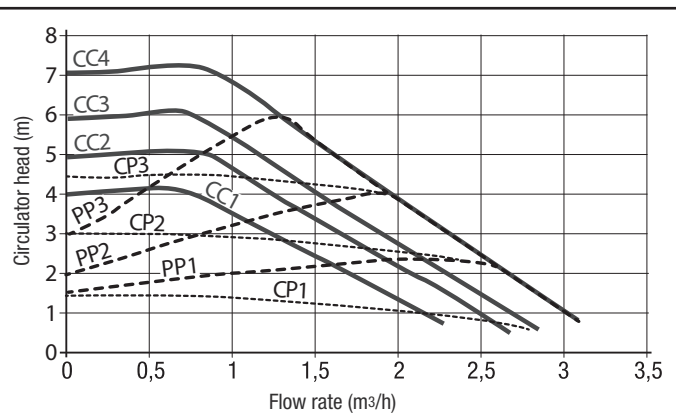
## Connect LE with mixed zones

Residual head available at  
HIGH TEMPERATURE system



- PP1 LOW proportional head curve  
PP2 AVERAGE proportional head curve  
PP3 HIGH proportional head curve
- CP1 LOW constant head curve  
CP2 AVERAGE constant head curve  
CP3 HIGH constant head curve

Residual head available at  
LOW TEMPERATURE system



- CC1 Curve 1 = 4 metres  
CC2 Curve 2 = 5 metres  
CC3 Curve 3 = 6 metres  
CC4 Curve 4 MAX = 7 metres

**CONNECT BASE LE**

- Can be matched with all Beretta condensing and standard-efficiency wall-hung and floor-standing boilers.
- Thermostatic mixing valve on BT zones.
- **Low Energy auto-modulating pumps (EEI≤0,20).**
- Limit thermostat for low temperature installations supplied as standard.
- Specifically designed only for in-box installations (INDOOR and OUTDOOR).
- IPX4D electrical protection.

**Connect BASE LE - Low Energy with thermostatic BT zones**

CODE	MODEL	DIMENSIONS H x W x D (mm)
20084765	CONNECT BASE LE MIX1 1AT+1BT (thermostatic) (*)	see BOX
20084766	CONNECT BASE LE MIX2 1AT+2BT (thermostatic) (*)	see BOX

(\*) For the installation it is necessary to purchase the BOX (code 20007305)

**Box for Connect**

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)
20007305	BOX for CONNECT (for installation)	720 x 400 x 160

**Accessories**

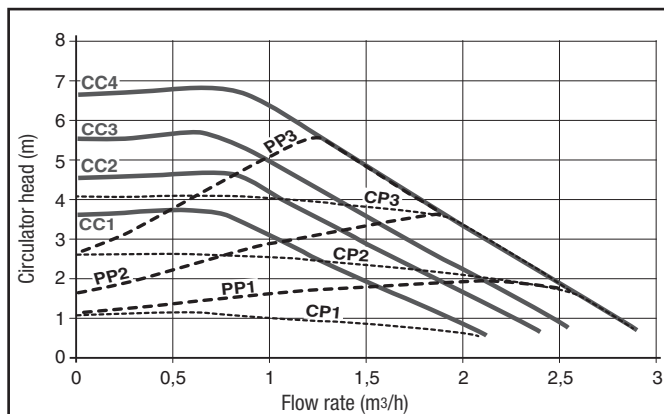
CODE	DESCRIPTION
20085456	Insulation kit for CONNECT LE (*)

(\*) To be installed before introducing the CONNECT into the BOX.

# CONNECT BASE LE

## Connect Base LE - Low Energy

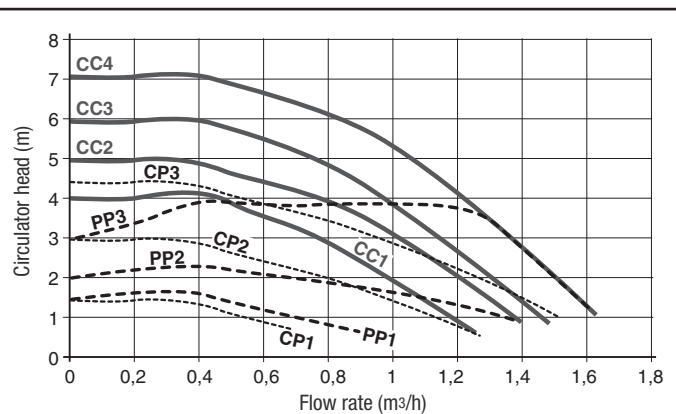
Residual head available at  
HIGH TEMPERATURE system



PP1 LOW proportional head curve  
PP2 AVERAGE proportional head curve  
PP3 HIGH proportional head curve

CP1 LOW constant head curve  
CP2 AVERAGE constant head curve  
CP3 HIGH constant head curve

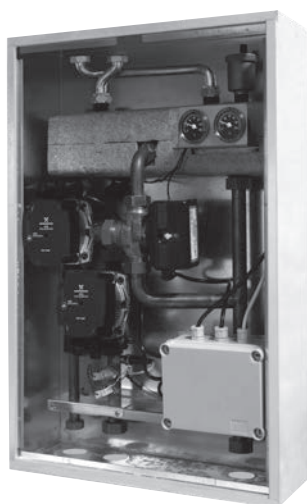
Residual head available at  
LOW TEMPERATURE system



CC1 Curve 1 = 4 metres  
CC2 Curve 2 = 5 metres  
CC3 Curve 3 = 6 metres  
CC4 Curve 4 MAX = 7 metres



## CONNECT AT/BT LE



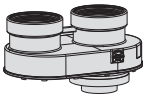



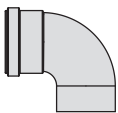





- **To be matched only with Beretta condensing boilers Exclusive Green e and Exclusive Boiler Green He.**
- 3-ways motorized mixing valve.
- **Low Energy auto-modulating pumps (EEI≤0,20).**
- Independent climatic bends setting for each zone.
- Electronic management board supplied as standard.
- Limit thermostat for low temperature installations supplied as standard.
- Specifically designed only for in-box installations (INDOOR and OUTOOR).
- IPX4D electrical protection.
- **Box supplied as standard.**

### Connect LE - Low energy








CODE	MODEL	DIMENSIONS H x W x D (mm)
20094267	CONNECT AT/BT LE (BT with motorized mixing valve)	616 x 440 x 155



**Ø80 twin flue system in plastic (PP) for condensing boilers - H1 Class (\*)**

CODE DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X	Ciao X	Mynute BOILER GREEN
<b>20134830</b> FLUE ADAPTER KIT from Ø60/100 to TWIN Ø80-80 SWELLING POSITION			■		■	■	
<b>20129765</b> FLUE ADAPTER KIT from Ø60/100 to TWIN Ø80-80			■		■	■	
<b>20137523</b> Ø80 TWIN SYSTEM KIT				■			■
<b>20137503</b> Ø80 45°BEND			■	■	■	■	■
<b>20137506</b> Ø80 90°BEND			■	■	■	■	■
<b>20137508</b> Ø80 EXTENSION 500 mm			■	■	■	■	■
<b>20137509</b> Ø80 EXTENSION 1000 mm			■	■	■	■	■
<b>20137511</b> Ø80 EXTENSION 2000 mm			■	■	■	■	■
<b>20137517</b> Ø80 HORIZONTAL FLUE TERMINAL 985 mm			■	■	■	■	■
<b>20137515</b> Ø80 AIR INLET HORIZONTAL TERMINAL 662 mm			■	■	■	■	■

**Ø80 twin flue system in plastic (PP) for condensing boilers - H1 Class (\*)**


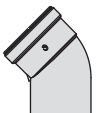
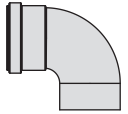








CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X	Ciao X	Mynute BOILER GREEN
<b>20137529</b>	Ø60/80 BEND with INSPECTION			■	■	■	■	■
<b>20129769</b>	FLUE ADAPTER from Ø60/100 to Ø80 for B23 INSTALLATION with AIR INLET			■		■	■	
<b>20137521</b>	FLUE ADAPTER from Ø60/100 to Ø80 for B23 INSTALLATION with AIR INLET							■
<b>20137527</b>	Ø60-80 FLUE ADAPTER for INSTALLATION TYPE B23 and AIR INLET							■
code <b>20129768</b>	Ø60-80 FLUE ADAPTER for INSTALLATION TYPE B23 and AIR INLET			■		■	■	
code <b>20137532</b>	Ø80 SPACERS FOR PIPE (4 pcs. pack)			■	■	■	■	■

Due to exposition to sunlight, the colour of the material (PP) may be altered.

(\*) Class H1 - High positive pressure (max. 5,000 Pa).

(1) CIAO AT 25 kW.


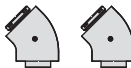






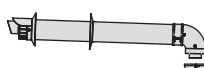
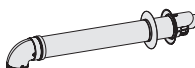
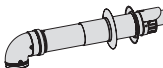
### Ø80 twin flue system in aluminium for condensing boilers

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X (2)	Exclusive BOILER GREEN HE	Mynute X (2)	Ciao X (2)	Mynute BOILER GREEN
<b>20162456</b>	Ø80 TWIN SYSTEM KIT			■	■	■	■	■
<b>20162295</b>	Ø80 45°BEND			■	■	■	■	■
<b>20162296</b>	Ø80 90°BEND			■	■	■	■	■
<b>20162298</b>	Ø80 EXTENSION 500 mm			■	■	■	■	■
<b>20162299</b>	Ø80 EXTENSION 1000 mm			■	■	■	■	■
<b>20162300</b>	Ø80 EXTENSION 2000 mm			■	■	■	■	■
<b>20162442</b>	Ø80 HORIZONTAL FLUE TERMINAL			■	■	■	■	■
<b>20162665</b>	Ø80 AIR INLET HORIZONTAL TERMINAL			■	■	■	■	■
<b>20162448</b>	Ø80 FLUE ADAPTER with AIR INLET			■		■	■	■
<b>20014659</b>	Ø80 FLUE ADAPTER with AIR INLET			■	■	■	■	■
code <b>20137532</b>	Ø80 SPACERS FOR PIPE (4 pcs. pack)			■	■	■	■	■








(1) CIAO AT 25 kW.

(2) For boiler start-up, see the section on flue Ø60/100 and only afterwards switch to Ø80/125.

**Ø60/100 concentric flue system in plastic (PP/PPu) for condensing boilers - Class H1 (\*)**

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Mynute X	Ciao X	Exclusive BOILER GREEN HE	Mynute BOILER GREEN
<b>20132012</b>		Ø60/100 45° CONCENTRIC BEND					■	■
<b>20132040</b>		Ø60/100 45° CONCENTRIC BEND (2 pcs.)					■	■
<b>20132013</b>		Ø60/100 90° CONCENTRIC BEND					■	■
<b>20129172 (A)</b>		Ø60/100 90° REDUCED CONCENTRIC BEND KIT		■	■	■		
<b>20132043</b>		Ø60/100 CONCENTRIC EXTENSION 500 mm					■	■
<b>20132044</b>		Ø60/100 CONCENTRIC EXTENSION 1000 mm					■	■
<b>20132045</b>		Ø60/100 CONCENTRIC EXTENSION 2000 mm					■	■
<b>20132020</b>		Ø60/100 VERTICAL FLUE TERMINAL Ø125 EXTERNAL STRAIGHT PIPE					■	■
<b>20132018</b>		Ø60/100 HORIZONTAL FLUE TERMINAL					■	■
<b>20129175</b>		Ø60/100 HORIZONTAL FLUE TERMINAL KIT with 90° REDUCED CONCENTRIC BEND		■	■	■		
<b>20129176</b>		Ø60/100 TELESCOPIC HORIZONTAL FLUE TERMINAL KIT with 90° REDUCED CONCENTRIC BEND		■	■	■		

**Ø60/100 concentric flue system in plastic (PP/PPu) for condensing boilers - Class H1 (\*)**

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Mynute X	Ciao X	Exclusive BOILER GREEN HE	Mynute BOILER GREEN
<b>20129177</b>	Ø60/100 VERTICAL FLUE TERMINAL KIT with VERTICAL ADAPTER			■	■	■		
<b>20132050</b>	Ø125 PITCHED ROOF TILE for VERTICAL FLUE						■	■
<b>20135579</b>	Ø125 FLAT ROOF TILE for VERTICAL FLUE						■	■
<b>20135584</b>	Ø100 SPACERS for PIPE (4 pcs. pack)						■	■
<b>20129174 (A)</b>	Ø60/100 VERTICAL ADAPTER KIT			■	■	■		
<b>20132015</b>	Ø60/100 EXTENSION with INSPECTION DOOR						■	
code <b>20163032 (**)</b>	Ø100 PIPE CLIPS KIT (5 pcs)						■	■

Due to exposition to sunlight, the colour of the material (PP) may be altered.








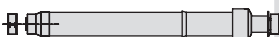
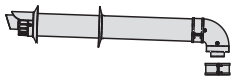



(\*) Class H1 - High positive pressure (max. 5,000 Pa).

(1) CIAO AT 25 kW.

(A) The straight low curve adapter codes are used to use flue Ø 60/100 available in the catalogue with Exclusive/Mynute X and Ciao AT boilers.

(\*\*) ATTENTION: For the flue options Ø60/100 concentric flue system in plastic (PP/PPU) clips are not necessary, except for the connection to the boiler. In fact clips are already included in the codes 20132020 and 20132018.

Ø60/100 concentric flue system in PP/Met for condensing boilers - Class H1 (\*)








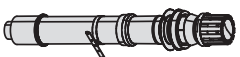
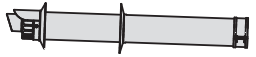




CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X	Ciao X	Mynute BOILER GREEN
<b>20142823</b>	Ø60/100 45°CONCENTRIC BEND				■			■
<b>20142825</b>	Ø60/100 90°CONCENTRIC BEND				■			■
<b>20142828</b>	Ø60/100 90°CONCENTRIC BEND with inspection				■			■
<b>20142829</b>	Ø60/100 CONCENTRIC EXTENSION 500 mm				■			■
<b>20142830</b>	Ø60/100 CONCENTRIC EXTENSION 1000 mm				■			■
<b>20142831</b>	Ø60/100 CONCENTRIC EXTENSION 2000 mm				■			■
<b>20142835</b>	Ø60/100 CONCENTRIC EXTENSION with inspection				■			■
<b>20142839</b>	Ø60/100 VERTICAL FLUE TERMINAL Ø125 EXTERNAL STRAIGHT PIPE				■			■
<b>20142836</b>	Ø60/100 HORIZONTAL FLUE TERMINAL				■			■
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE				■			■
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE				■			■
<b>20135584</b>	Ø100 SPACERS FOR PIPE (4 pcs. pack)				■			■

Due to exposition to sunlight, the colour of the material (PP) may be altered.

(\*) Class H1 - High positive pressure (max. 5,000 Pa).

(1) CIAO AT 25 kW.



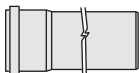
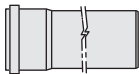
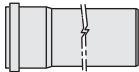
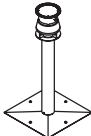
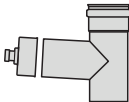
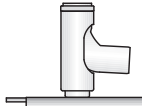
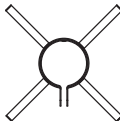
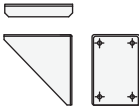
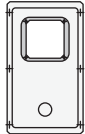
### Ø80/125 concentric flue system in PP/Met for condensing boilers

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X	Ciao X	Mynute BOILER GREEN
<b>20164651</b>	Ø80/125 45°CONCENTRIC BEND				■			■
<b>20164653</b>	Ø80/125 90°CONCENTRIC BEND				■			■
<b>20164655</b>	Ø80/125 90°CONCENTRIC BEND with INSPECTION DOOR				■			■
<b>20164657</b>	Ø80/125 CONCENTRIC EXTENSION 500 mm				■			■
<b>20164659</b>	Ø80/125 CONCENTRIC EXTENSION 1000 mm				■			■
<b>20164660</b>	Ø80/125 CONCENTRIC EXTENSION 2000 mm				■			■
<b>20164661</b>	Ø80/125 CONCENTRIC EXTENSION with INSPECTION DOOR				■			■
<b>20131113</b>	Ø80/125 VERTICAL FLUE TERMINAL (in PP/PPu); Ø125 EXTERNAL STRAIGHT PIPE				■			■
<b>20164673</b>	Ø80/125 HORIZONTAL FLUE TERMINAL (in PP/PPu)				■			■
<b>20164665</b>	Ø80/125 SPACERS (5 pcs. pack)				■			■
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE				■			■
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE				■			■
<b>20164666</b>	FLUE ADAPTER from Ø60/100 to Ø80/125				■			■

Due to exposition to sunlight, the colour of the material (PP) may be altered.


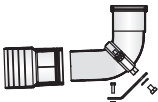



(1) CIAO AT 25 kW.

**Ø60 flue range in plastic (PP) for inside-chimney installation, specific for condensing boilers**

CODE	DESCRIPTION		WALL-HUNG BOILERS				
			Exclusive X	Exclusive BOILER GREEN HE	Mynute X (2)	Ciao X (2)	Mynute BOILER GREEN
<b>20145877</b>	Ø60 45°BEND		■	■	■	■	■
<b>20145876</b>	Ø60 90°BEND		■	■	■	■	■
<b>20145879</b>	Ø60 EXTENSION 500 mm		■	■	■	■	■
<b>20145882</b>	Ø60 EXTENSION 1000 mm		■	■	■	■	■
<b>20145883</b>	Ø60 EXTENSION 2000 mm		■	■	■	■	■
<b>20145884</b>	Ø60/100 VERTICAL FLUE TERMINAL PP/PPu Ø100 EXTERNAL STRAIGHT PIPE		■	■	■	■	■
<b>20145894</b>	Ø60 T-CONNECTION with CONDENSATE TRAP CAP		■	■	■	■	■
<b>20164584</b>	Ø60 T-CONNECTION		■	■	■	■	■
<b>20145886</b>	Ø60 3 SPACERS KIT for INSIDE-CHIMNEY		■	■	■	■	■
<b>20145888</b>	SHELF SUPPORT KIT for INSIDE-CHIMNEY		■	■	■	■	■
<b>20145889</b>	CHIMNEY FRONT COVER KIT		■	■	■	■	■

## FLUE OPTIONS

**Ø60 flue range in plastic (PP) for inside-chimney installation, specific for condensing boilers**



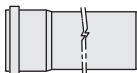
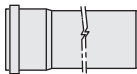
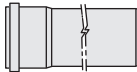






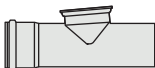
CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X (2)	Ciao X (2)	Mynute BOILER GREEN
<b>20145890</b>	Ø60 5 HOSE CLAMPS KIT			■	■	■	■	■
<b>20145892</b>	Ø80-60 CHIMNEY CONNECTION KIT with Ø60 90°BEND			■	■	■	■	■
<b>20046782</b>	CONDENSATE SIPHON KIT			■	■	■	■	■
<b>20144194</b>	Ø60-50 FLUE ADAPTER			■	■	■	■	■
<b>20145897</b>	Ø80-60 FLUE ADAPTER			■	■	■	■	■

Due to exposition to sunlight, the colour of the material (PP) may be altered.

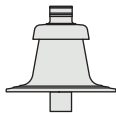
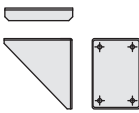
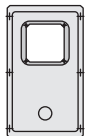
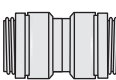
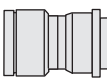
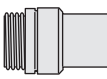


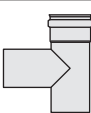
(1) CIAO AT 25 kW.

(2) For Mynute X series connect to the boiler with codes 20129174 or 20129172 in Ø60/100 section and then use the Ø80/125 adapter 20164666.

# Ø80 flue range in plastic (PP) for inside-chimney installation, specific for condensing boilers

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X	Ciao X	Mynute BOILER GREEN
<b>20164570</b>	Ø80 45°BEND				■			■
<b>20164572</b>	Ø80 90°BEND				■			■
<b>20164574</b>	Ø80 EXTENSION 500 mm				■			■
<b>20164577</b>	Ø80 EXTENSION 1000 mm				■			■
<b>20164578</b>	Ø80 EXTENSION 2000 mm				■			■
<b>20132509</b>	Ø80 FLEXIBLE EXTENSION (12.5 m) with 8 SPACERS				■			■
<b>20164585</b>	Ø60/80 ADAPTER				■			■
<b>20164582</b>	Ø60/100 CHIMNEY ADAPTER				■			■
<b>20132520</b>	Ø80/125 CHIMNEY ADAPTER				■			■
<b>20132504</b>	Ø80 CHIMNEY SUPPORT KIT				■			■
<b>20132505</b>	PIPE SPACERS				■			■
<b>20132506</b>	Ø80 INSPECTION EXTENSION				■			■

### Ø80 flue range in plastic (PP) for inside-chimney installation, specific for condensing boilers

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive X	Exclusive BOILER GREEN HE	Mynute X	Ciao X	Mynute BOILER GREEN
<b>20132508</b>	Ø80 ROOF TILE				■			■
<b>20145888</b>	SHELF SUPPORT KIT FOR CONDENSATE TRAP				■			■
<b>20145889</b>	CHIMNEY FRONT COVER KIT				■			■
<b>20132511</b>	Ø80 FLEXIBLE/FLEXIBLE CONNECTION F/F				■			■
<b>20132512</b>	Ø80 FLEXIBLE/RIGID CONNECTION F				■			■
<b>20132510</b>	Ø80 RIGID/FLEXIBLE CONNECTION M				■			■
<b>20046782</b>	CONDENSATE SIPHON KIT				■			■
<b>20163019</b>	Ø80 CONDENSATE TRAP CAP FOR T-CONNECTION (IN ALUMINIUM)				■			■
<b>20163018</b>	Ø80 T-CONNECTION (IN ALUMINIUM)				■			■

Due to exposition to sunlight, the colour of the material (PP) may be altered.

(1) CIAO AT 25 kW




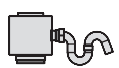



**Ø80 twin flue system in aluminium for standard-efficiency boilers and water-heaters**




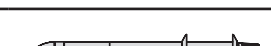
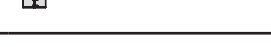








CODE DESCRIPTION		WALL-HUNG BOILERS	Exclusive MIX C.S.I./R.S.I.	Mynute S 24-28 C.S.I./R.S.I.	Mynute S 35 C.S.I./R.S.I.	Ciao S C.S.I./R.S.I.	City C.S.I./R.S.I.	Quadra II C.S.I.	Ciao 28 C.S.I. e	Ciao 16-20-24 C.S.I.
<b>20162668</b> Ø80 TWIN SYSTEM KIT						■	■	■		
<b>20162667</b> Ø80 TWIN SYSTEM KIT			■	■					■	■
<b>20162666</b> FLUE ADAPTER KIT from Ø60/100 to Ø80/80			■	■	■	■	■	■	■	■
<b>20162665</b> Ø80 AIR INLET HORIZONTAL TERMINAL			■	■	■	■	■	■	■	■
<b>20162664</b> Ø80 HORIZONTAL FLUE TERMINAL			■	■	■	■	■	■	■	■
<b>20162295</b> Ø80 90° BEND WITH GASKET			■	■	■	■	■	■	■	■
<b>20162296</b> Ø80 45° BEND WITH GASKET			■	■	■	■	■	■	■	■
<b>20162455</b> FLUE ADAPTER Ø60/100 TO Ø80 FOR B23/B22 INSTALLATION WITH AIR INLET				■		■	■	■		
<b>20162298</b> Ø80 EXTENSION (500 mm) with GASKET			■	■	■	■	■	■	■	■
<b>20162299</b> Ø80 EXTENSION (1000 mm) with GASKET			■	■	■	■	■	■	■	■

## FLUE OPTIONS

### Ø80 twin flue system in aluminium for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive MIX C.S.I./R.S.I.	Mynute S 24-28 C.S.I./R.S.I.	Mynute S 35 C.S.I./R.S.I.	Ciao S C.S.I./R.S.I.	City C.S.I./R.S.I.	Quadra II C.S.I.	Ciao 28 C.S.I. e	Ciao 16-20-24 C.S.I.
<b>20162300</b>	Ø80 EXTENSION (1950 mm) with GASKET			■	■	■	■	■	■	■	■
<b>20162835</b>	Ø80 AIR REGULATION FLANGE KIT			■	■	■	■	■	■	■	■
<b>20162662</b>	Ø80 CONDENSATE TRAP HORIZONTAL			■	■	■	■	■	■	■	■
<b>20162663</b>	Ø80 CONDENSATE TRAP VERTICAL			■	■	■	■	■	■	■	■
code <b>20137532</b>	Ø80 SPACERS FOR PIPE (4 pcs. pack)			■	■	■	■	■	■	■	■

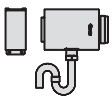
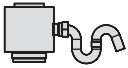


**Ø60/100 concentric flue system in Al/Met for standard-efficiency boilers and water-heaters**

CODE	DESCRIPTION		WALL-HUNG BOILERS							
			Exclusive MIX C.S.I./R.S.I.	Mynute S 24-28 C.S.I./R.S.I.	Mynute S 35 C.S.I./R.S.I.	Ciao S C.S.I./R.S.I.	City C.S.I./R.S.I.	Quadra II C.S.I.	Ciao 28 C.S.I. e	Ciao 16-20-24 C.S.I.
<b>20163422</b>	Ø60/100 VERTICAL TERMINAL; Ø125 EXTERNAL STRAIGHT PIPE		■	■	■	■	■	■	■	■
<b>20163408</b>	Ø60/100 HORIZONTAL TERMINAL		■	■	■	■	■	■	■	■
<b>20163410</b>	Ø60/100 TELESCOPIC HORIZONTAL TERMINAL EXTENSIBLE FROM 500 TO 800 mm		■	■	■	■	■	■	■	■
<b>20163391</b>	Ø60/100 CONCENTRIC EXTENSION (750 mm)		■	■	■	■	■	■	■	■
<b>20163393</b>	Ø60/100 CONCENTRIC EXTENSION (1470 mm)		■	■	■	■	■	■	■	■
<b>20163388 (*)</b>	Ø60/100 90° ADAPTER BEND KIT for REPLACEMENT					■	■	■		
<b>20163333</b>	Ø60/100 90° CONCENTRIC BEND		■	■	■	■	■	■	■	■
<b>20163327</b>	Ø60/100 45° CONCENTRIC BEND		■	■	■	■	■	■	■	■
<b>20163429</b>	Ø100 CONNECTION CLIP KIT H 80 mm (4 pcs.)		■	■	■	■	■	■	■	■
<b>20163425</b>	Ø60/100 CONNECTION CLIP KIT BOILER-FLUE		■	■	■	■	■	■	■	■
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE		■	■	■	■	■	■	■	■
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE		■	■	■	■	■	■	■	■

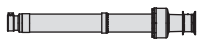


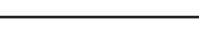
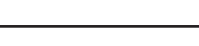
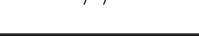


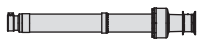


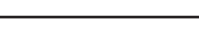
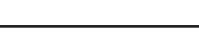
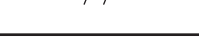





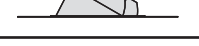
(\*) To be used in case of replacement of old Mynute 24 C.S.I. with CIAO S range and with CIAO 24 C.S.I. E, only in case of concentric flue through wall.

## FLUE OPTIONS

























### Ø60/100 concentric flue system in Al/Met for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WALL-HUNG BOILERS	Exclusive MIX C.S.I./R.S.I.	Mynute S 24-28 C.S.I./R.S.I.	Mynute S 35 C.S.I./R.S.I.	Ciao S C.S.I./R.S.I.	City C.S.I./R.S.I.	Quadra II C.S.I.	Ciao 28 C.S.I. e	Ciao 16-20-24 C.S.I.
<b>20163400</b>	 Ø60/100 CONDENSATE TRAP HORIZONTAL			■	■	■	■	■	■	■	■
<b>20163403</b>	 Ø60/100 CONDENSATE TRAP VERTICAL			■	■	■	■	■	■	■	■
<b>20135584</b>	 Ø100 SPACERS FOR PIPE (4 pcs. pack)			■	■	■	■	■	■	■	■
<b>20163430</b>	 Ø14 FLANGED SOCKET FOR INSPECTION FOR CONCENTRIC PIPE (2 pcs.)			■	■	■	■	■	■	■	■

**Ø60/100 concentric flue system in Al/PPu for standard-efficiency boilers and water-heaters**

CODE	DESCRIPTION		WALL-HUNG BOILERS							
<b>20162797</b>	Ø60/100 VERTICAL FLUE TERMINAL; Ø125 EXTERNAL STRAIGHT PIPE									
<b>20162798</b>	Ø60/100 CONCENTRIC HORIZONTAL TERMINAL									
<b>20162799</b>	Ø60/100 TELESCOPIC HORIZONTAL TERMINAL EXTENSIBLE FROM 500 mm TO 800 mm									
<b>20162793</b>	Ø60/100 CONCENTRIC EXTENSION 500 mm									
<b>20162795</b>	Ø60/100 CONCENTRIC EXTENSION 1000 mm									
<b>20162796</b>	Ø60/100 CONCENTRIC EXTENSION 2000 mm									
<b>20162786</b>	Ø60/100 90° CONCENTRIC BEND									
<b>20162785</b>	Ø60/100 45° CONCENTRIC BEND									
<b>20162790</b>	Ø60/100 90° CONCENTRIC BEND WITH INSPECTION DOOR									
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE									
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE									
<b>20135584</b>	Ø100 SPACERS FOR PIPE (4 pcs. pack)									

**Ø80/125 concentric flue system in Al/Met for standard-efficiency boilers**

CODE	DESCRIPTION		WALL-HUNG BOILERS											
<b>20164216</b>	FLUE ADAPTER FROM Ø60/100 TO Ø80/125 WITH FLUE ANALYSIS POINT		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164202</b>	Ø80/125 45° CONCENTRIC BEND		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164206</b>	Ø80/125 90° CONCENTRIC BEND		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164213</b>	Ø80/125 HORIZONTAL TERMINAL WITH Ø60/100 ADAPTER		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164215</b>	Ø80/125 VERTICAL TERMINAL WITH Ø60/100 ADAPTER		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164207</b>	Ø80/125 CONCENTRIC EXTENSION 500 mm		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164208</b>	Ø80/125 CONCENTRIC EXTENSION 1000 mm		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164211</b>	Ø80/125 CONCENTRIC EXTENSION 2000 mm		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164217</b>	SIPHON FOR VERTICAL ADAPTER		■	■	■	■	■	■	■	■	■	■	■	■
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE		■	■	■	■	■	■	■	■	■	■	■	■
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE		■	■	■	■	■	■	■	■	■	■	■	■
<b>20164665</b>	Ø80/125 SPACERS (5 pcs.)		■	■	■	■	■	■	■	■	■	■	■	■



WATER-HEATERS

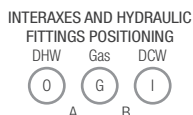


LOW NOX INSTANTANEOUS - GAS 148

FLUE OPTION SYSTEMS 150



## FONTE Lx



	A	B
11	90	90
14	123,5	123,5

- Instantaneous, conventional flue water heater **with dedicated versions for natural gas and LPG.**
- **Battery ignition** (2 x 1,5V batteries supplied as standard).
- High DHW load profile (**XL on the 14 lt model**).
- **Abundant production of domestic hot water** at  $\Delta t$  25°C of 11 and 14 liters/min.
- **Innovative electronic gas valve without membrane for speedy maintenance.**
- **New self-adapting system with thermostatic device.**
- **High output modulation and domestic hot water flow rate.**
- **Electronic reset from the user interface of the domestic hot water and flues thermostats**, in case of anomalies (RESET button).
- Innovative **interface with back-lit display**, 3 buttons and a LED for battery replacement.

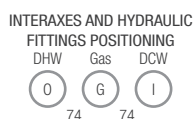
## Conventional flue



CODE	GAS	MODEL	DIMENSIONS <sup>(1)</sup> H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - $\Delta t$ 30 °C)	ENERGY CLASS 
<b>IONISATION FLAME - BATTERY IGNITION</b>						
20149819	NG	FONTE Lx 11	675 x 350 x 230	19,43	9,3	<b>M*</b>
20149820	LPG	FONTE Lx 11	675 x 350 x 230	19,43	9,3	<b>M*</b>
20149825	NG	FONTE Lx 14	675 x 400 x 230	24,36	11,6	<b>L*</b>
20149826	LPG	FONTE Lx 14	675 x 400 x 230	24,36	11,6	<b>L*</b>

\* Load profile.

(1) Dimensions without flues.



- **Gas water heaters for indoor installation.**
- **Low Nox** range according to EN 814-2013.  
Low Nox value < 56 mg/kWh, via cooled burner.
- Air-gas combustion, with 3:1 modulation ratio.
- A wide range of models of 11, 13 and 17 lt, available both as NG and LPG versions.
- New back-lit display with icons, 40x30 mm, with four push-buttons.
- New electronics with innovative performance.
- New aesthetics lines, in accordance with the wall-hung boilers style.
- Frost protection kit for outdoor installation with resistance (down to -10°C).
- Ø60 and Ø80 air-inlet for the models 11 and 13 lt.
- Ø60/100 flue exit.

## Room-sealed



CODE	GAS	MODEL	DIMENSIONS H x W x D (mm)	OUTPUT (kW)	DHW PRODUCTION (l/min. - Δt 30 °C)	ENERGY CLASS 
<b>IONISATION FLAME - ELECTRONIC IGNITION</b>						
20143031	NG	IDRABAGNO Lx 11	642 x 340 x 237	19,89	9,5	M*
20143032	LPG	IDRABAGNO Lx 11	642 x 340 x 237	19,89	9,5	M*
20143035	NG	IDRABAGNO Lx 13	642 x 340 x 237	22,45	10,7	L*
20143036	LPG	IDRABAGNO Lx 13	642 x 340 x 237	22,45	10,7	L*
20143037	NG	IDRABAGNO Lx 17	640 x 400 x 246	27,60	13,2	XL*
20143038	LPG	IDRABAGNO Lx 17	640 x 400 x 246	27,60	13,2	XL*

\* Load profile.



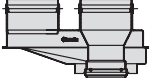



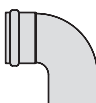
## Accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
<b>Specific accessories</b>			
1100499	Hydraulic taps	20122792	Ø60/100 Adapter bend kit for replacement (for 11-13 model)
1100509	Gas tap 3/4" right-angle	20162798	Ø60/100 concentric horizontal terminal
20148036	Frost protection resistances kit	20155911	Dummy for Idrabagno Lx 11
20162668	Ø80 twin system kit (for 11-13 models)	20155581	LPG gas transformation kit for Idrabagno Lx 11
20162667	Ø80 twin system kit (for 17 model)	20155583	LPG gas transformation kit for Idrabagno Lx 13
20162666	Flue adapter kit from Ø60/100 to Ø80-80	20157837	LPG gas transformation kit for Idrabagno Lx 17

**Note:** For the installation of IDRABAGNO Lx under low temperature conditions (down to -10°C), it is available the frost protection kit (code 20148036).






## FLUE OPTION FOR STANDARD EFFICIENCY

### Ø80 twin flue system in aluminium for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WATER-HEATERS	Idrabagno Lx 11-13	Idrabagno Lx 17
<b>20162668</b> Ø80 TWIN SYSTEM KIT				■	
<b>20162667</b> Ø80 TWIN SYSTEM KIT					■
<b>20162666</b> FLUE ADAPTER KIT from Ø60/100 to Ø80-80				■	■
<b>20162665</b> Ø80 AIR INLET HORIZONTAL TERMINAL				■	■
<b>20162664</b> Ø80 HORIZONTAL FLUE TERMINAL				■	■
<b>20162295</b> Ø80 90° BEND WITH GASKET				■	■
<b>20162296</b> Ø80 45° BEND WITH GASKET				■	■







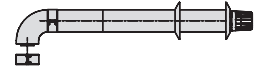

















## FLUE OPTION FOR STANDARD EFFICIENCY

### Ø80 twin flue system in aluminium for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WATER-HEATERS		
				Idrabagno Lx 11-13	Idrabagno Lx 17
<b>20162298</b>	Ø80 EXTENSION (500 mm) with GASKET			<input type="checkbox"/>	<input type="checkbox"/>
<b>20162299</b>	Ø80 EXTENSION (1000 mm) with GASKET			<input type="checkbox"/>	<input type="checkbox"/>
<b>20162300</b>	Ø80 EXTENSION (1950 mm) with GASKET			<input type="checkbox"/>	<input type="checkbox"/>
<b>20162835</b>	Ø80 AIR REGULATION FLANGE KIT			<input type="checkbox"/>	<input type="checkbox"/>
<b>20137532</b>	Ø80 SPACERS FOR PIPE (4 pcs. pack)			<input type="checkbox"/>	<input type="checkbox"/>

## FLUE OPTION FOR STANDARD EFFICIENCY

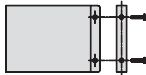
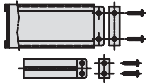




### Ø60/100 concentric flue system in Al/Met for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WATER-HEATERS	Idrabagno Lx 11-13
<b>20163422</b>	Ø60/100 VERTICAL TERMINAL; Ø125 EXTERNAL STRAIGHT PIPE			
<b>20163408</b>	Ø60/100 HORIZONTAL TERMINAL			
<b>20163410</b>	Ø60/100 TELESCOPIC HORIZONTAL TERMINAL EXTENSIBLE FROM 500 TO 800 mm			
<b>20163391</b>	Ø60/100 CONCENTRIC EXTENSION (750 mm)			
<b>20163393</b>	Ø60/100 CONCENTRIC EXTENSION (1470 mm)			
<b>20122792 *</b>	Ø60/100 90° ADAPTER BEND KIT for REPLACEMENT			
<b>20163333</b>	Ø60/100 90° CONCENTRIC BEND			
<b>20163327</b>	Ø60/100 45° CONCENTRIC BEND			

\* To be used in case of replacement of water heaters Idrabagno 11 and 13 ESI, in case of rear flues.


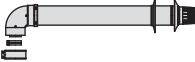

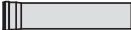




## FLUE OPTION FOR STANDARD EFFICIENCY

### Ø60/100 concentric flue system in Al/Met for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WATER-HEATERS	Idrabagno Lx 11-13
<b>20163429</b>	Ø100 CONNECTION CLIP KIT H 80 mm (4 pcs.)			■
<b>20163425</b>	Ø60/100 CONNECTION CLIP KIT BOILER-FLUE			■
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE			■
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE			■
<b>20135584</b>	Ø100 SPACERS FOR PIPE (4 pcs. pack)			■
<b>20163430</b>	Ø14 FLANGED SOCKET FOR INSPECTION FOR CONCENTRIC PIPE (2 pcs.)			■








## FLUE OPTION FOR STANDARD EFFICIENCY

### Ø60/100 concentric flue system in Al/PPu for standard-efficiency boilers and water-heaters

CODE	DESCRIPTION		WATER-HEATERS	Idrabagno Lx 11-13
<b>20162797</b>	Ø60/100 VERTICAL FLUE TERMINAL; Ø125 EXTERNAL STRAIGHT PIPE			<input type="checkbox"/>
<b>20162798</b>	Ø60/100 CONCENTRIC HORIZONTAL TERMINAL			<input type="checkbox"/>
<b>20162799</b>	Ø60/100 TELESCOPIC HORIZONTAL TERMINAL EXTENSIBLE FROM 500 mm TO 800 mm			<input type="checkbox"/>
<b>20162793</b>	Ø60/100 CONCENTRIC EXTENSION 500 mm			<input type="checkbox"/>
<b>20162795</b>	Ø60/100 CONCENTRIC EXTENSION 1000 mm			<input type="checkbox"/>
<b>20162796</b>	Ø60/100 CONCENTRIC EXTENSION 2000 mm			<input type="checkbox"/>
<b>20162786</b>	Ø60/100 90° CONCENTRIC BEND			<input type="checkbox"/>
<b>20162785</b>	Ø60/100 45° CONCENTRIC BEND			<input type="checkbox"/>

## FLUE OPTION FOR STANDARD EFFICIENCY

**Ø60/100 concentric flue system in Al/PPu for standard-efficiency boilers and water-heaters**

CODE	DESCRIPTION		WATER-HEATERS	Idragnò Lx 11-13
<b>20066967</b>	Ø60/100 90° CONCENTRIC BEND - FOR BOILER CONNECTION		■	
<b>20162790</b>	Ø60/100 90° CONCENTRIC BEND WITH INSPECTION DOOR		■	
<b>20066969</b>	Ø60/100 90° CONCENTRIC BEND WITH INSPECTION DOOR - FOR BOILER CONNECTION		■	
<b>20124577</b>	Ø100 CONNECTION CLIP KIT (5 pcs)		■	
<b>20132050</b>	Ø125 PITCHED ROOF TILE FOR VERTICAL FLUE		■	
<b>20135579</b>	Ø125 FLAT ROOF TILE FOR VERTICAL FLUE		■	
<b>20135584</b>	Ø100 SPACERS FOR PIPE (4 pcs. pack)		■	

SOLAR THERMAL  
AND CYLINDERS



SOLAR SYSTEMS	158
SOLAR COLLECTORS	171
SOLAR DHW AND STORAGE CYLINDERS	179
COMPLEMENTARY ITEMS	198
SOLAR THERMAL ACCESSORIES	204



## Forced circulation systems SCF-25/4B A SYSTEM



SOLAR KEYMARK  
Certification

- A** SCF-25/4B A sealed collector with prepainted galvanized steel profile - 2.5 sq.m
- B** IDRA DS FI (200 lt, 300 lt, 430 lt) double coil cylinder with pre-installed flow/return hydraulic group, featuring a Low
- C** Energy modulating circulator, and EVOSOL control box
- D** Glycol
- E** Solar expansion vessel 3/4" thermostatic mixing valve

### Systems for flat and pitched roof - Brackets not included

#### SYSTEMS WITH DOUBLE-COIL HEATER

CODE	MODEL	NUMBER OF COLLECTORS	CYLINDER CAPACITY (l)	COLLECTORS DIMENSIONS H x L (mm)	COLLECTORS TOTAL AREA (m <sup>2</sup> )
20207663	SCF-25/4B A 200/1	1	208 double coil <sup>(1)</sup>	2004 x 1195	2,5
20207664	SCF-25/4B A 300/2	2	301 double coil <sup>(1)</sup>	2004 x 2390	5
20207657	SCF-25/4B A 400/3	3	430 double coil <sup>(1)</sup>	2004 x 3585	7,5

(1) Double-coil heater with hydraulic unit complete with M/R hydraulic unit.

To complete the installation it is necessary to purchase the complete bracket kits, choosing them according to the number of collectors, from slanting roof bracket kit, undertile roof bracket kit for slanting roof and flat roof bracket kit.

## SCF-25/4B A SYSTEM - COMPLETE BRACKET KITS, FOR VERTICAL ASSEMBLY

CODE	MODEL
<b>ACCESSORIES FOR FLAT ROOF (FR 30-45°)</b>	
20201443	Brackets 1 solar collector 2,5m <sup>2</sup> "A" FR 30-45°
20201444	Extension brackets for 1 additional solar collector 2,5m <sup>2</sup> "A" FR 30-45°
<b>ACCESSORIES FOR PITCHED ROOF (PR)</b>	
20201446	Brackets 1 solar collector 2-2,5m <sup>2</sup> "A" undertile PR
20201447	Brackets 2 solar collectors 2-2,5m <sup>2</sup> "A" undertile PR
20201611	Extension brackets for 1 additional solar collector 2-2,5m <sup>2</sup> "A" undertile PR <sup>(1)</sup>
20201445	Kit 4 brackets hooks for PR - "A" solar collector
20202639	Kit 6 brackets hooks for PR - "A" solar collector
<b>HYDRAULIC KIT FOR SOLAR COLLECTOR "A"</b>	
20201448	Hydraulic kit for 1 "A" solar collector
20201449	Hydraulic kit for 2 "A" solar collectors
20201450	Hydraulic kit for 3 "A" solar collectors
20201451	Hydraulic kit for 4 "A" solar collectors
20201453	Hydraulic kit for 5 "A" solar collectors
20201454	Hydraulic kit for 6 "A" solar collectors
20201455	Hydraulic kit for 7 "A" solar collectors
20201457	Hydraulic kit for 8 "A" solar collectors
20201458	Hydraulic kit for 9 "A" solar collectors
20201459	Hydraulic kit for 10 "A" solar collectors

(1) Add this extension brackets only to the code 20201447 (Brackets 2 solar collectors 2-2,5m<sup>2</sup> "A" undertile PR)

Note: The above accessories do not include the collector probe, which is included in the EVOSOL accessory (code 20120499) or it can be purchased separately through the SOLAR COLLECTOR PROBE KIT (code 20008787).

For other accessories, refer to the SOLAR THERMAL ACCESSORIES section of the Product Catalogue.

## SCF-25/4B A SYSTEM - COMPLETE BRACKET KITS, FOR VERTICAL ASSEMBLY

### COMPONENTS FOR VERTICAL INSTALLATIONS AT 30 OR 45° ON FLAT ROOF FOR SCF-25/4B A SOLAR COLLECTORS

	Brackets 1 coll. 2,5m <sup>2</sup> "A" FR 30-45	Extension +1 coll. 2,5m <sup>2</sup> "A" FR 30-45	Hydraulic kit for 1 collector A	Hydraulic kit for 2 collectors A	Hydraulic kit for 3 collectors A	Hydraulic kit for 4 collectors A	Hydraulic kit for 5 collectors A	Hydraulic kit for 6 collectors A	Hydraulic kit for 7 collectors A	Hydraulic kit for 8 collectors A	Hydraulic kit for 9 collectors A	Hydraulic kit for 10 collectors A
	20201443	20201444	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit per 1 coll 2,5m <sup>2</sup> TP 30-45°	1		1									
Kit per 2 coll 2,5m <sup>2</sup> TP 30-45°	1	1		1								
Kit per 3 coll 2,5m <sup>2</sup> TP 30-45°	1	2			1							
Kit per 4 coll 2,5m <sup>2</sup> TP 30-45°	1	3				1						
Kit per 5 coll 2,5m <sup>2</sup> TP 30-45°	1	4					1					
Kit per 6 coll 2,5m <sup>2</sup> TP 30-45°	1	5						1				
Kit per 7 coll 2,5m <sup>2</sup> TP 30-45°	1	6							1			
Kit per 8 coll 2,5m <sup>2</sup> TP 30-45°	1	7								1		
Kit per 9 coll 2,5m <sup>2</sup> TP 30-45°	1	8									1	
Kit per 10 coll 2,5m <sup>2</sup> TP 30-45°	1	9										1

### COMPONENTS FOR VERTICAL INSTALLATIONS AT 30 OR 45° ON FLAT ROOF FOR SCF-20/4B A AND SCF-25/4B A SOLAR COLLECTORS

	BRACKETS 1 COLL. 2-2,5 "A" under tile IR	BRACKETS 2 COLL. 2-2,5 "A" under tile IR	EXTENSION +1 COLL. 2-2,5 A under tile IR	KIT 4 HOOKS FOR IR - COLL. A	KIT 6 HOOKS FOR IR - COLL. A	Hydraulic kit for 1 collector A	Hydraulic kit for 2 collector A	Hydraulic kit for 3 collector A	Hydraulic kit for 4 collector A	Hydraulic kit for 5 collector A	Hydraulic kit for 6 collector A	Hydraulic kit for 7 collector A	Hydraulic kit for 8 collector A	Hydraulic kit for 9 collector A	Hydraulic kit for 10 collector A
	20201446	20201447	20201611	20201445	20202639	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit per 1 coll 2-2,5m <sup>2</sup> TI	1			1		1									
Kit per 2 coll 2-2,5m <sup>2</sup> TI		1			1		1								
Kit per 3 coll 2-2,5m <sup>2</sup> TI		1	1	1	1			1							
Kit per 4 coll 2-2,5m <sup>2</sup> TI		1	2	2	1				1						
Kit per 5 coll 2-2,5m <sup>2</sup> TI		1	3	3	1					1					
Kit per 6 coll 2-2,5m <sup>2</sup> TI		1	4	4	1						1				
Kit per 7 coll 2-2,5m <sup>2</sup> TI		1	5	5	1							1			
Kit per 8 coll 2-2,5m <sup>2</sup> TI		1	6	6	1								1		
Kit per 9 coll 2-2,5m <sup>2</sup> TI		1	7	7	1									1	
Kit per 10 coll 2-2,5m <sup>2</sup> TI		1	8	8	1										1

## SCF-25/4B A SYSTEM - SYSTEM COMPOSITION

### SCF-25/4B A 200/1 (cod. 20184357) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
1	20201328	SCF-25/4B A
1	20119552	IDRA DS 200 FI
1	4383059	10 kg glycol
1	4383052	18 lt expansion vessel
1	1150529	3/4" mixing valve

### SCF-25/4B A 300/2 (cod. 20184358) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
1	20201329	SCF-25/4B A x 2
1	20119553	IDRA DS 300 FI
1	4383059	10 kg glycol
1	4383052	18 lt expansion vessel
1	1150529	3/4" mixing valve

### SCF-25/4B A 400/3 (cod. 20184618) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
1	20201328	SCF-25/4B A
1	20201329	SCF-25/4B A x 2
1	20119554	IDRA DS 430 FI (B class) cylinder
1	4383085	5 kg glycol
1	4383059	10 kg glycol
1	4383053	24 lt expansion vessel
1	1150529	3/4" mixing valve

(1) To complete the installation it is necessary to purchase the complete bracket kits



## Forced circulation systems

### SCF-20/4B A SYSTEM



SOLAR KEYMARK  
Certification

- A** Sealed collector with prepainted galvanized steel profile - 2 sq.m
- B** EVOSOL solar control box
- C** IDRA cylinder with increased coil surface
- D** Solar hydraulic return group for wall-mounting installation with circulator suitable for PVM and ON/OFF management
- E** Glycol
- F** Solar expansion vessel
- G** 3/4" thermostatic mixing valve

## Systems for flat and pitched roof - Brackets not included

### SYSTEMS WITH DOUBLE-COIL HEATER

CODE	MODEL	NUMBER OF COLLECTORS	CYLINDER CAPACITY (l)	COLLECTORS DIMENSIONS H x L (mm)	COLLECTORS TOTAL AREA (m <sup>2</sup> )
20207644	SCF-20/4B A 200/1	1	208 double coil	1818 x 1097	1,91
20207652	SCF-20/4B A 300/2	2	301 double coil	1818 x 2194	3,82
20207654	SCF-20/4B A 400/3	3	430 double coil	11818 x 3291	5,73
20207656	SCF-20/4B A 500/4	4	551 double coil	1818 x 4388	7,64

To complete the installation it is necessary to purchase the complete bracket kits, choosing them according to the number of collectors, from slanting roof bracket kit, undertile roof bracket kit for slanting roof and flat roof bracket kit.

## SCF-20/4B A SYSTEM - COMPLETE BRACKET KITS

CODE	MODEL
<b>ACCESSORIES FOR FLAT ROOF (FR 30-45°)</b>	
20201441	Brackets 1 solar collector 2m <sup>2</sup> "A" FR 30-45°
20201442	Extension brackets for 1 additional solar collector 2m <sup>2</sup> "A" FR 30-45°
<b>ACCESSORIES FOR PITCHED ROOF (PR)</b>	
20201446	Brackets 1 solar collector 2-2,5m <sup>2</sup> "A" undertile PR
20201447	Brackets 2 solar collectors 2-2,5m <sup>2</sup> "A" undertile PR
20201611	Extension brackets for 1 additional solar collector 2-2,5m <sup>2</sup> "A" undertile PR <sup>(1)</sup>
20201445	Kit 4 brackets hooks for PR - "A" solar collector
20202639	Kit 6 brackets hooks for PR - "A" solar collector
<b>HYDRAULIC KIT FOR SOLAR COLLECTOR "A"</b>	
20201448	Hydraulic kit for 1 "A" solar collector
20201449	Hydraulic kit for 2 "A" solar collectors
20201450	Hydraulic kit for 3 "A" solar collectors
20201451	Hydraulic kit for 4 "A" solar collectors
20201453	Hydraulic kit for 5 "A" solar collectors
20201454	Hydraulic kit for 6 "A" solar collectors
20201455	Hydraulic kit for 7 "A" solar collectors
20201457	Hydraulic kit for 8 "A" solar collectors
20201458	Hydraulic kit for 9 "A" solar collectors
20201459	Hydraulic kit for 10 "A" solar collectors

(1) Add this extension brackets only to the code 20201447 (Brackets 2 solar collectors 2-2,5m<sup>2</sup> "A" undertile PR)

Note: The above accessories do not include the collector probe, which is included in the EVOSOL accessory (code 20120499) or it can be purchased separately through the SOLAR COLLECTOR PROBE KIT (code 20008787).

For other accessories, refer to the SOLAR THERMAL ACCESSORIES section of the Product Catalogue.

## SCF-20/4B A SYSTEM - COMPLETE BRACKET KITS

### COMPONENTS FOR VERTICAL INSTALLATIONS AT 30 OR 45° ON FLAT ROOF FOR SCF-25/4B A SOLAR COLLECTORS

	Brackets 1 coll. 2m <sup>2</sup> "A" FR 30-45	Extension +1 coll. 2m <sup>2</sup> "A" FR 30-45	Hydraulic kit for 1 collector A	Hydraulic kit for 2 collectors A	Hydraulic kit for 3 collectors A	Hydraulic kit for 4 collectors A	Hydraulic kit for 5 collectors A	Hydraulic kit for 6 collectors A	Hydraulic kit for 7 collectors A	Hydraulic kit for 8 collectors A	Hydraulic kit for 9 collectors A	Hydraulic kit for 10 collectors A
	20201441	20201442	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit per 1 coll 2m <sup>2</sup> TP 30-45°	1		1									
Kit per 2 coll 2m <sup>2</sup> TP 30-45°	1	1		1								
Kit per 3 coll 2m <sup>2</sup> TP 30-45°	1	2			1							
Kit per 4 coll 2m <sup>2</sup> TP 30-45°	1	3				1						
Kit per 5 coll 2m <sup>2</sup> TP 30-45°	1	4					1					
Kit per 6 coll 2m <sup>2</sup> TP 30-45°	1	5						1				
Kit per 7 coll 2m <sup>2</sup> TP 30-45°	1	6							1			
Kit per 8 coll 2m <sup>2</sup> TP 30-45°	1	7								1		
Kit per 9 coll 2m <sup>2</sup> TP 30-45°	1	8									1	
Kit per 10 coll 2m <sup>2</sup> TP 30-45°	1	9										1

### COMPONENTS FOR VERTICAL INSTALLATIONS AT 30 OR 45° ON FLAT ROOF FOR SCF-20/4B A AND SCF-25/4B A SOLAR COLLECTORS

	BRACKETS 1 COLL. 2-2,5 "A" under tile IR	BRACKETS 2 COLL. 2-2,5 "A" under tile IR	EXTENSION +1 COLL. 2-2,5 A under tile IR	KIT 4 HOOKS FOR IR - COLL. A	KIT 6 HOOKS FOR IR - COLL. A	Hydraulic kit for 1 collector A	Hydraulic kit for 2 collector A	Hydraulic kit for 3 collector A	Hydraulic kit for 4 collector A	Hydraulic kit for 5 collector A	Hydraulic kit for 6 collector A	Hydraulic kit for 7 collector A	Hydraulic kit for 8 collector A	Hydraulic kit for 9 collector A	Hydraulic kit for 10 collector A
	20201446	20201447	20201611	20201445	20202639	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit per 1 coll 2-2,5m <sup>2</sup> TI	1			1		1									
Kit per 2 coll 2-2,5m <sup>2</sup> TI		1			1		1								
Kit per 3 coll 2-2,5m <sup>2</sup> TI		1	1	1	1			1							
Kit per 4 coll 2-2,5m <sup>2</sup> TI		1	2	2	1				1						
Kit per 5 coll 2-2,5m <sup>2</sup> TI		1	3	3	1					1					
Kit per 6 coll 2-2,5m <sup>2</sup> TI		1	4	4	1						1				
Kit per 7 coll 2-2,5m <sup>2</sup> TI		1	5	5	1							1			
Kit per 8 coll 2-2,5m <sup>2</sup> TI		1	6	6	1								1		
Kit per 9 coll 2-2,5m <sup>2</sup> TI		1	7	7	1									1	
Kit per 10 coll 2-2,5m <sup>2</sup> TI		1	8	8	1										1

## SCF-20/4B A SYSTEM - SYSTEM COMPOSITION

### SCF-20/4B A 200/1 (cod. 20207644) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
1	20201335	SCF-20/4B A
1	20120499	Solar control box EVOSOL with probes
1	20117881	IDRA DS 200 (B class) cylinder
1	20116162	7,5 m CONNECT SOLAR R - only return hydraulic group
1	4383085	5 kg glycol
1	4383052	18 lt expansion vessel
1	1150529	3/4" mixing valve

### SCF-20/4B A 300/2 (cod. 20207652) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
1	20201336	SCF-20/4B A x 2
1	20120499	Solar control box EVOSOL with probes
1	20117882	IDRA DS 300 (B class) cylinder
1	20116162	7,5 m CONNECT SOLAR R - only return hydraulic group
1	4383085	5 kg glycol
1	4383052	18 lt expansion vessel
1	1150529	3/4" mixing valve

## SCF-20/4B A SYSTEM - SYSTEM COMPOSITION

### SCF-20/4B A 400/3 (cod.20207654) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
1	20201335	SCF-20/4B A
1	20201336	SCF 20/4B A x 2
1	20120499	Solar control box EVOSOL with probes
1	20117883	IDRA DS 430 (B class) cylinder
1	20116162	7,5 m CONNECT SOLAR R - only return hydraulic group
1	20009190	2,5 kg glycol
1	4383059	10 kg glycol
1	4383053	24 lt expansion vessel
1	1150529	3/4" mixing valve

### SCF-20/4B A 500/4 (cod.20207656) <sup>(1)</sup>

QUANTITY	CODE	DESCRIPTION
2	20201336	SCF 20/4B A x 2
1	20120499	Solar control box EVOSOL with probes
1	20117884	IDRA DS 550 (B class) cylinder
1	20116162	7,5 m CONNECT SOLAR R - only return hydraulic group
1	4383085	5 kg glycol
1	4383059	10 kg glycol
1	4383053	24 lt expansion vessel
1	1150529	3/4" mixing valve

(1) To complete the installation it is necessary to purchase the complete bracket kits



## Natural circulation system NB-SOL-A SYSTEM



SOLAR KEYMARK  
certification



- Natural circulation system for the production of DHW, performing best in areas with high levels of sunlight and mild winters.
- Ready-to-be-installed system, complete with collector(s), cylinder, brackets, fittings and glycol.
- High selective absorber surface.
- Ease of functioning: no need of any additional components such as a circulator or an electronic controller.
- Collector stagnation temperature: 180 °C.
- Magnesium anode and electrical resistance included with the standard equipment.
- DHW and solar safety valves (10 bar and 2.5 bar).
- Enamelled double-walled steel cylinder with polyurethane insulation.
- NB-SOL-A system can be matched with combi wall-hung boilers.
- Solar panels with Solar Keymark certification.
- Solar systems with Solar Keymark certification.
- Systems conform to the EN12975 and EN12976 standards.

### Kit for FLAT ROOF with 45° of inclination

CODE	MODEL	NUMBER OF COLLECTORS	CYLINDER CAPACITY (litres)	COLLECTORS DIMENSIONS H x L (mm)	COLLECTORS TOTAL AREA (m <sup>2</sup> )
20202410	NB-SOL-A 160/2,5 TP	1	151	2020 x 1235 x 85	2,49
20202411	NB-SOL-A 200/2,5 TP	1	192	2020 x 1235 x 85	2,49
20202412	NB-SOL-A 200/4 TP	2	192	1625 x 1235 x 85	4
20202414	NB-SOL-A 300/4 TP	2	295	1625 x 1235 x 85	4
20202415	NB-SOL-A 300/5 TP	2	295	2020 x 1235 x 85	4,98

### Kit for INCLINED ROOF

CODE	MODEL	NUMBER OF COLLECTORS	CYLINDER CAPACITY (litres)	COLLECTORS DIMENSIONS H x L (mm)	COLLECTORS TOTAL AREA (m <sup>2</sup> )
20202229	NB-SOL-A 160/2,5 TI	1	151	2020 x 1235 x 85	2,49
20202231	NB-SOL-A 200/2,5 TI	1	192	2020 x 1235 x 85	2,49
20202233	NB-SOL-A 200/4 TI	2	192	1625 x 1235 x 85	4
20202238	NB-SOL-A 300/4 TI	2	295	1625 x 1235 x 85	4
20202240	NB-SOL-A 300/5 TI	2	295	2020 x 1235 x 85	4,98

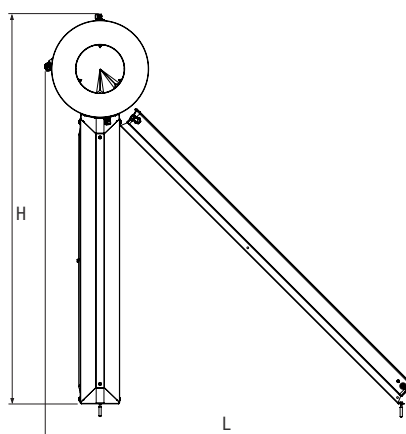
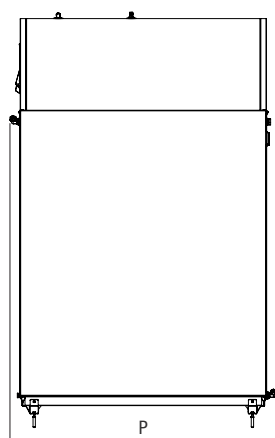
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## NB-SOL-A SYSTEM

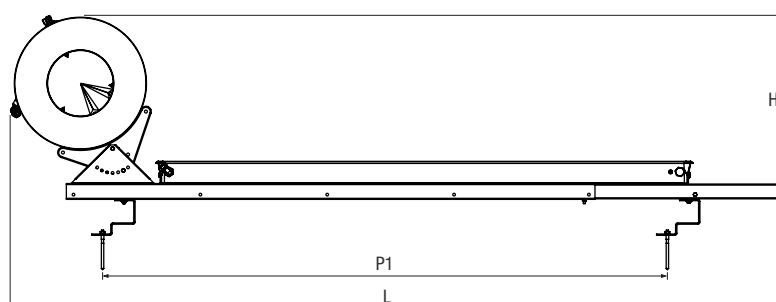
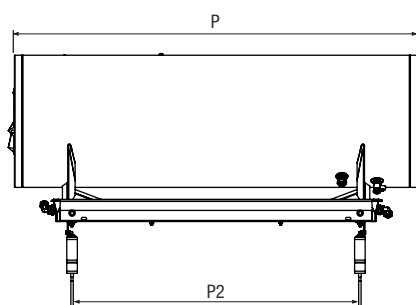
### Accessories

CODE	DESCRIPTION
20020778	3/4" thermostatic mixing valve
4383052	18 lt expansion vessel with bracket
4383053	24 lt expansion vessel

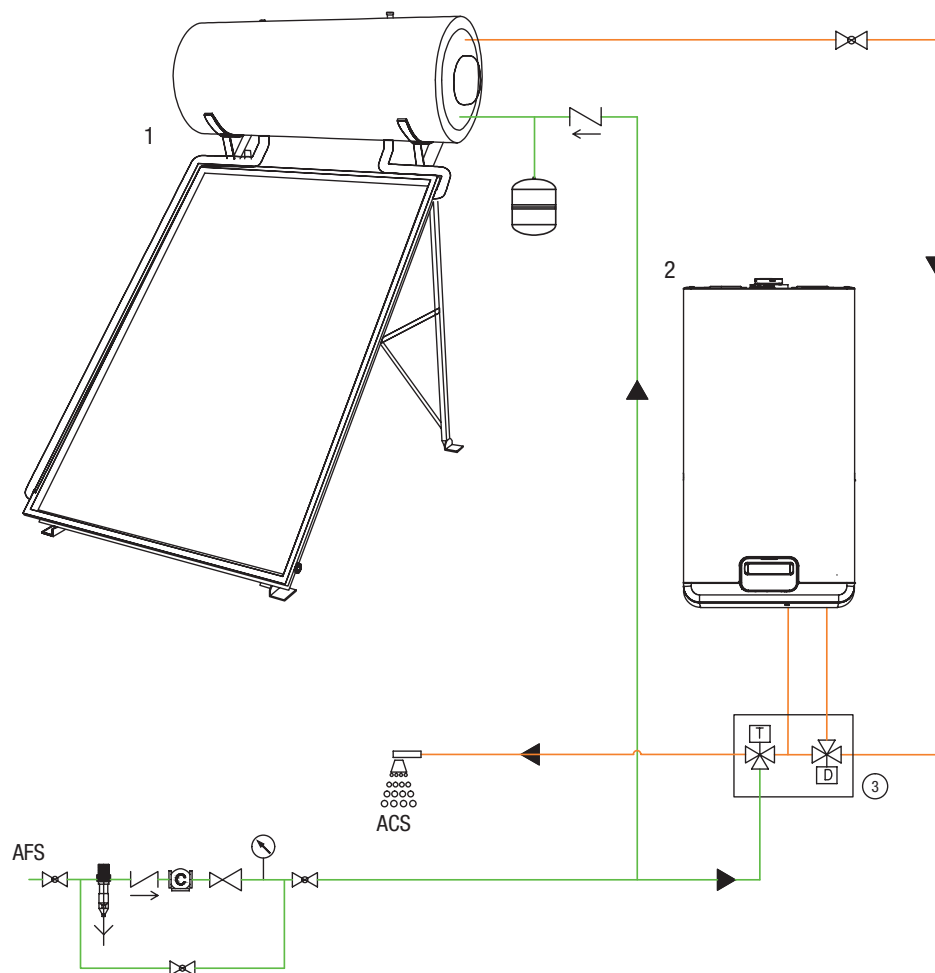
#### NB-SOL - TP



#### NB-SOL - TI



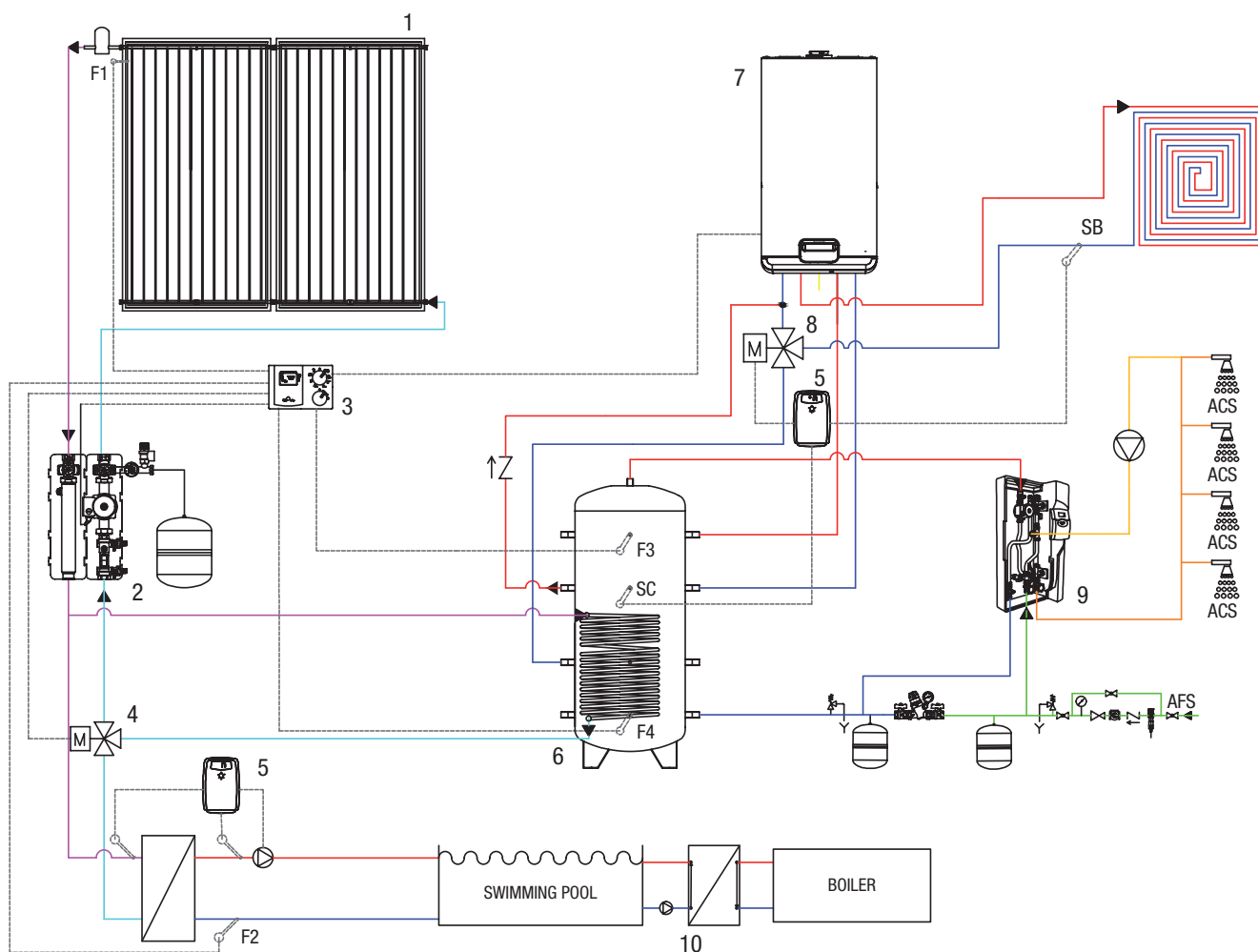
DESCRIPTION	160/2,5 TP	200/2,5 TP	200/4 TP	300/4 TP	300/5 TP	160/2,5 TI	200/2,5 TI	200/4 TI	300/4 TI	300/5 TI
L (mm)	1903	1903	1626	1626	1903	2936	2936	2948	2948	2948
P (mm)	1314	1526	2578	2578	2524	1314	1526	2498	2498	2498
H (mm)	2006	2006	1727	1727	2006	689	689	689	689	689
P1 (mm)						2137	2137	2137	2137	2137
P2 (mm)						1089	1089	1089	1089	1089
Liquid (l)	2	3	3	4	4	2	3	3	4	4



Basic layout purely for illustrative purposes

**01** NB-SOL A natural circulation system with SCF-25/4B A and SCF-20/4B A profiled collectors  
**02** EXCLUSIVE C condensing boiler  
**03** Domestic water diverting/mixing valve

# NATURAL CIRCULATION SYSTEM FOR DHW PRODUCTION WITH COMBINED BOILER INTEGRATION





Solar collectors for forced circulation systems

**SCF-25/4B A**

**Beretta**



SOLAR KEYMARK  
certification

- Sealed solar collector with pre-painted galvanized steel frame - 2,5m<sup>2</sup>
- Connection between solar collectors with 4 tightening fittings
- Highly-selective absorber area with TiNOx treatment
- Insulation in glass wool (30mm)
- Collector absorption: 95%
- Collector stagnation temperature: 180°C
- Possibility to connect up to 10 vertical solar collectors
- This solar collector conforms to the EN 12975
- Solar Keymark Certification

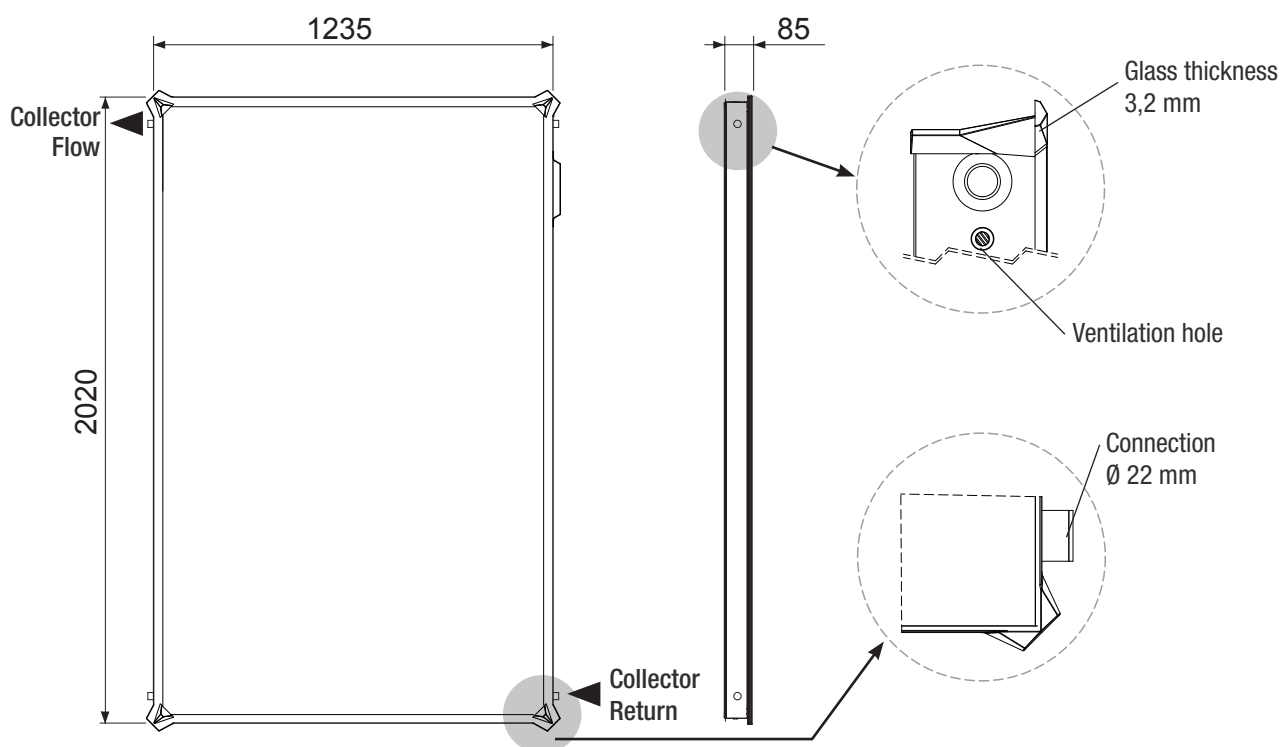
### Sealed solar collector with pre-painted galvanized steel frame - 2,5 m<sup>2</sup>

CODE	MODEL	DIMENSION H x L x D (mm)	COLLECTOR TOTAL AREA (m <sup>2</sup> )
20201328	SCF 25/4B A	2020 x 1235 x 85	2,49

### Packages

CODE	MODEL
20201329	SCF-25/4B A x 2
20201805	SCF-25/4B A x 7

## SCF-25/4B A



DESCRIPTION	SOLAR COLLECTOR SCF-25/4B A	U.D.M.
Total area	2,49	m <sup>2</sup>
Exposed area	2,38	m <sup>2</sup>
Effective absorption area	2,37	m <sup>2</sup>
Connections	G 1	-
Weight (empty)	35	kg
Liquid content	1,55	l
Glass thickness	3,2	mm
Absorption ( $\alpha$ )	95	%
Emissions ( $\epsilon$ )	5	%
IAM (50°)	0,91	-
$\eta$ coll. (a 1000 W/m <sup>2</sup> )	60	%
Maximum permitted pressure	10	bar

## Accessories for vertical installations of the SCF - 25/4B A solar collector

CODE	MODEL
<b>ACCESSORIES FOR FLAT ROOF (FR 30-45°)</b>	
20201443	Brackets 1 solar collector 2,5 m <sup>2</sup> "A" FR 30-45°
20201444	Extension brackets for 1 additional solar collector 2,5 m <sup>2</sup> "A" FR 30-45°
<b>ACCESSORIES FOR PITCHED ROOF (PR)</b>	
20201446	Brackets 1 solar collector 2-2,5 m <sup>2</sup> "A" undertile PR
20201447	Brackets 2 solar collectors 2-2,5 m <sup>2</sup> "A" undertile PR
20201611	Extension brackets for 1 additional solar collector 2-2,5 m <sup>2</sup> "A" undertile PR <sup>(1)</sup>
20201445	Kit 4 brackets hooks for PR - "A" solar collector
20202639	Kit 6 brackets hooks for PR - "A" solar collector
<b>HYDRAULIC KIT FOR SOLAR COLLECTOR "A"</b>	
20201448	Hydraulic kit for 1 "A" solar collector
20201449	Hydraulic kit for 2 "A" solar collectors
20201450	Hydraulic kit for 3 "A" solar collectors
20201451	Hydraulic kit for 4 "A" solar collectors
20201453	Hydraulic kit for 5 "A" solar collectors
20201454	Hydraulic kit for 6 "A" solar collectors
20201455	Hydraulic kit for 7 "A" solar collectors
20201457	Hydraulic kit for 8 "A" solar collectors
20201458	Hydraulic kit for 9 "A" solar collectors
20201459	Hydraulic kit for 10 "A" solar collectors

(1) Add this extension brackets only to the code 20201447 (Brackets 2 solar collectors 2-2,5m<sup>2</sup> "A" undertile PR)

Note: The above accessories do not include the collector probe, which is included in the EVOSOL accessory (code 20120499) or it can be purchased separately through the SOLAR COLLECTOR PROBE KIT (code 20008787).

For other accessories, refer to the SOLAR THERMAL ACCESSORIES section of the Product Catalogue.

## SCF-25/4B A

## COMPONENTS FOR VERTICAL INSTALLATIONS AT 30 OR 45° ON FLAT ROOF FOR SCF-25/4B A SOLAR COLLECTORS

	Brackets 1 collector 2,5 m <sup>2</sup> "A" FR 30-45°	Ext. brackets for 1 add. solar collector 2,5 m <sup>2</sup> "A" FR 30-45°	Hydraulic kit for 1 "A" solar collector	Hydraulic kit for 2 "A" solar collector	Hydraulic kit for 3 "A" solar collector	Hydraulic kit for 4 "A" solar collector	Hydraulic kit for 5 "A" solar collector	Hydraulic kit for 6 "A" solar collector	Hydraulic kit for 7 "A" solar collector	Hydraulic kit for 8 "A" solar collector	Hydraulic kit for 9 "A" solar collector	Hydraulic kit for 10 "A" solar collector
	20201443	20201444	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit for 1 solar collector 2,5 m <sup>2</sup> (TP 30-45°)	1		1									
Kit for 2 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	1		1								
Kit for 3 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	2			1							
Kit for 4 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	3				1						
Kit for 5 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	4					1					
Kit for 6 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	5						1				
Kit for 7 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	6							1			
Kit for 8 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	7								1		
Kit for 9 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	8									1	
Kit for 10 solar collectors 2,5 m <sup>2</sup> (TP 30-45°)	1	9										1

## COMPONENTS FOR VERTICAL INSTALLATIONS ON PITCHED ROOF WITH UNDERTILE BRACKET FOR SCF-20/4B A AND SCF-25/4B A SOLAR COLLECTORS

	Brackets 1 solar collector 2-2,5 m <sup>2</sup> "A" undertile PR	Brackets 2 solar collectors 2-2,5 m <sup>2</sup> "A" undertile PR	Ext. brackets for 1 add. solar coll. 2-2,5 m <sup>2</sup> "A" undertile PR <sup>(1)</sup>	Kit 4 brackets hooks for PR - "A" solar collector	Kit 6 brackets hooks for PR - "A" solar collector	Hydraulic kit for 1 "A" solar collector	Hydraulic kit for 2 "A" solar collector	Hydraulic kit for 3 "A" solar collector	Hydraulic kit for 4 "A" solar collector	Hydraulic kit for 5 "A" solar collector	Hydraulic kit for 6 "A" solar collector	Hydraulic kit for 7 "A" solar collector	Hydraulic kit for 8 "A" solar collector	Hydraulic kit for 9 "A" solar collector	Hydraulic kit for 10 "A" solar collector
	20201446	20201447	20201611	20201445	20202639	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit for 1 solar coll. 2-2,5 m <sup>2</sup> (PR)	1			1		1									
Kit for 2 solar coll. 2-2,5 m <sup>2</sup> (PR)		1			1		1								
Kit for 3 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	1	1	1			1							
Kit for 4 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	2	2	1				1						
Kit for 5 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	3	3	1					1					
Kit for 6 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	4	4	1						1				
Kit for 7 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	5	5	1							1			
Kit for 8 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	6	6	1								1		
Kit for 9 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	7	7	1									1	
Kit for 10 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	8	8	1										1

 >> NEW



Solar collectors for forced circulation systems

**SCF-20/4B A**

**Beretta**



SOLAR KEYMARK  
certification

- Sealed solar collector with pre-painted galvanized steel frame - 2m<sup>2</sup>
- Connection between solar collectors with 4 tightening fittings
- Highly-selective absorber area with TiNO<sub>x</sub> treatment
- Insulation in glass wool (30mm)
- Collector absorption: 95%
- Collector stagnation temperature: 180°C
- Possibility to connect up to 10 vertical solar collectors
- This solar collector conforms to the EN 12975
- Solar Keymark Certification

### Sealed solar collector with pre-painted galvanized steel frame - 2 m<sup>2</sup>

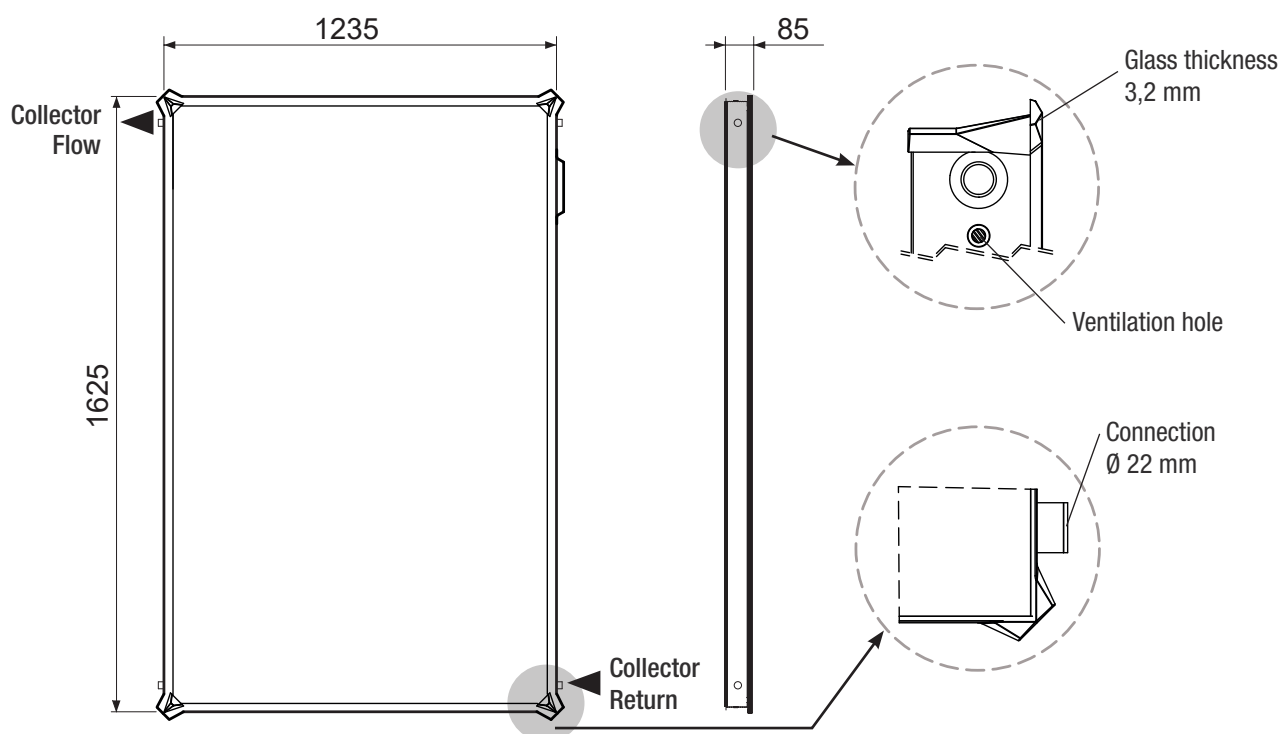
CODE	MODEL	DIMENSION H x L x D (mm)	COLLECTOR TOTAL AREA (m <sup>2</sup> )
20201335	SCF 20/4B A	1625 x 1235 x 85	2

### Packages

CODE	MODEL
20201336	SCF-20/4B A x 2
20201337	SCF-20/4B A x 7

■ >> NEW

## SCF-20/4B A



DESCRIPTION	SOLAR COLLECTOR SCF-25/4B A	U.D.M.
Total area	2	m <sup>2</sup>
Exposed area	1,9	m <sup>2</sup>
Effective absorption area	1,9	m <sup>2</sup>
Connections	G 1	-
Weight (empty)	29	kg
Liquid content	1,3	l
Glass thickness	3,2	mm
Absorption ( $\alpha$ )	95	%
Emissions ( $\epsilon$ )	5	%
IAM (50°)	0,91	-
$\eta$ coll. (a 1000 W/m <sup>2</sup> )	60	%
Maximum permitted pressure	10	bar

## Accessories for vertical installations of the SCF - 20/4B A solar collector

CODE	MODEL
<b>ACCESSORIES FOR FLAT ROOF (FR 30-45°)</b>	
20201441	Brackets 1 solar collector 2 m <sup>2</sup> "A" FR 30-45°
20201442	Extension brackets for 1 additional solar collector 2 m <sup>2</sup> "A" FR 30-45°
<b>ACCESSORIES FOR PITCHED ROOF (PR)</b>	
20201446	Brackets 1 solar collector 2-2,5 m <sup>2</sup> "A" undertile PR
20201447	Brackets 2 solar collectors 2-2,5 m <sup>2</sup> "A" undertile PR
20201611	Extension brackets for 1 additional solar collector 2-2,5 m <sup>2</sup> "A" undertile PR <sup>(1)</sup>
20201445	Kit 4 brackets hooks for PR - "A" solar collector
20202639	Kit 6 brackets hooks for PR - "A" solar collector
<b>HYDRAULIC KIT FOR SOLAR COLLECTOR "A"</b>	
20201448	Hydraulic kit for 1 "A" solar collector
20201449	Hydraulic kit for 2 "A" solar collectors
20201450	Hydraulic kit for 3 "A" solar collectors
20201451	Hydraulic kit for 4 "A" solar collectors
20201453	Hydraulic kit for 5 "A" solar collectors
20201454	Hydraulic kit for 6 "A" solar collectors
20201455	Hydraulic kit for 7 "A" solar collectors
20201457	Hydraulic kit for 8 "A" solar collectors
20201458	Hydraulic kit for 9 "A" solar collectors
20201459	Hydraulic kit for 10 "A" solar collectors

(1) Add this extension brackets only to the code 20201447 (Brackets 2 solar collectors 2-2,5m<sup>2</sup> "A" undertile PR)

Note: The above accessories do not include the collector probe, which is included in the EVOSOL accessory (code 20120499) or it can be purchased separately through the SOLAR COLLECTOR PROBE KIT (code 20008787).

For other accessories, refer to the SOLAR THERMAL ACCESSORIES section of the Product Catalogue.

## SCF-20/4B A

## COMPONENTS FOR VERTICAL INSTALLATIONS AT 30 OR 45° ON FLAT ROOF FOR SCF-20/4B A SOLAR COLLECTORS

	Brackets 1 collector 2 m <sup>2</sup> "A" FR 30-45°	Ext. brackets for 1 add. solar collector 2 m <sup>2</sup> "A" FR 30-45°	Hydraulic kit for 1 "A" solar collector	Hydraulic kit for 2 "A" solar collector	Hydraulic kit for 3 "A" solar collector	Hydraulic kit for 4 "A" solar collector	Hydraulic kit for 5 "A" solar collector	Hydraulic kit for 6 "A" solar collector	Hydraulic kit for 7 "A" solar collector	Hydraulic kit for 8 "A" solar collector	Hydraulic kit for 9 "A" solar collector	Hydraulic kit for 10 "A" solar collector
	20201441	20201442	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit for 1 solar collector 2 m <sup>2</sup> (TP 30-45°)	1		1									
Kit for 2 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	1		1								
Kit for 3 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	2			1							
Kit for 4 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	3				1						
Kit for 5 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	4					1					
Kit for 6 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	5						1				
Kit for 7 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	6							1			
Kit for 8 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	7								1		
Kit for 9 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	8									1	
Kit for 10 solar collectors 2 m <sup>2</sup> (TP 30-45°)	1	9										1

## COMPONENTS FOR VERTICAL INSTALLATIONS ON PITCHED ROOF WITH UNDERTILE BRACKET FOR SCF-20/4B A AND SCF-25/4B A SOLAR COLLECTORS

	Brackets 1 solar collector 2-2,5 m <sup>2</sup> "A" undertile PR	Brackets 2 solar collectors 2-2,5 m <sup>2</sup> "A" undertile PR	Ext. brackets for 1 add. solar coll. 2-2,5 m <sup>2</sup> "A" undertile PR <sup>(1)</sup>	Kit 4 brackets hooks for PR - "A" solar collector	Kit 6 brackets hooks for PR - "A" solar collector	Hydraulic kit for 1 "A" solar collector	Hydraulic kit for 2 "A" solar collector	Hydraulic kit for 3 "A" solar collector	Hydraulic kit for 4 "A" solar collector	Hydraulic kit for 5 "A" solar collector	Hydraulic kit for 6 "A" solar collector	Hydraulic kit for 7 "A" solar collector	Hydraulic kit for 8 "A" solar collector	Hydraulic kit for 9 "A" solar collector	Hydraulic kit for 10 "A" solar collector
	20201446	20201447	20201611	20201445	20202639	20201448	20201449	20201450	20201451	20201453	20201454	20201455	20201457	20201458	20201459
Kit for 1 solar coll. 2-2,5 m <sup>2</sup> (PR)	1			1		1									
Kit for 2 solar coll. 2-2,5 m <sup>2</sup> (PR)		1			1		1								
Kit for 3 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	1	1	1			1							
Kit for 4 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	2	2	1				1						
Kit for 5 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	3	3	1					1					
Kit for 6 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	4	4	1						1				
Kit for 7 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	5	5	1							1			
Kit for 8 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	6	6	1								1		
Kit for 9 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	7	7	1									1	
Kit for 10 solar coll. 2-2,5 m <sup>2</sup> (PR)		1	8	8	1										1





 >> NEW



- Enamelled (double layer) steel solar cylinder
- Double coil heat-exchanger
- Maximum working temperature: 99°C
- High heat exchange capacity of the coils
- Suitable for flanged electrical resistance
- Coils and cylinders maximum working pressure: 10 bar (only Idra DS 200 - 550)
- Coils and cylinders maximum working pressure: 7 bar (only Idra DS 750 - 1000)
- Magnesium anode included with the standard equipment (only Idra DS 200 - 550)
- Double magnesium anode included with the standard equipment (only Idra DS 750 - 1000)
- Insulation through separated packaging (only Idra DS 750 - 1000)

## Solar cylinder with increased coil surface



CODE	MODEL	DIMENSIONS H x Ø (mm)	CYLINDER CAPACITY (litres)	LOSSES (W)	CLASS 
<b>DOUBLE COIL CYLINDERS</b>					
20117881	IDRA DS 200 N	1338 x 604	208 double coil	62	
20117882	IDRA DS 300 N	1838 x 604	301 double coil	69	
20117883	IDRA DS 430 N	1644 x 755	430 double coil	75	
20117884	IDRA DS 550 N	1988 x 755	551 double coil	85	-
20132278	IDRA DS 750 N	1846 x 1000	731 double coil	94	-
20132281	IDRA DS 1000 N	2171 x 1000	883 double coil	101	-

## IDRA DS - WITH INCREASED COIL SURFACE

### Accessories

CODE	DESCRIPTION
20020778	1" thermostatic mixing valve with 3/4" adapter
20119911	1.5 kW Single-phase flanged electrical resistance kit (only Idra DS 200 - 550)
20131666	1.5 kW single-phase flanged electrical resistance kit (only Idra DS 750 - 1000)
20119912	2.2 kW Single-phase flanged electrical resistance kit (only Idra DS 200 - 550)
20131667	2.2 kW single-phase flanged electrical resistance kit (only Idra DS 750 - 1000)
20119913	3 kW Single-phase flanged electrical resistance kit (only Idra DS 200 - 550)
20131669	3 kW single-phase flanged electrical resistance kit (only Idra DS 750 - 1000)
20119914	3.8 kW Three-phase flanged electrical resistance kit (only Idra DS 200 - 550)
20131670	3.8 kW three-phase flanged electrical resistance kit (only Idra DS 750 - 1000)
20123850	Cylinder thermometer kit
20055206	1/2" Electrical anode kit (1)
20123849	Bend kit for the recirculation
20123851	Bend kit for the electrical anode (3)

(1) With electrical plug, to connect the electrical anode kit to the EVOSOL solar control box, provide a reduction from 1"¼ to ½" (not supplied as standard).

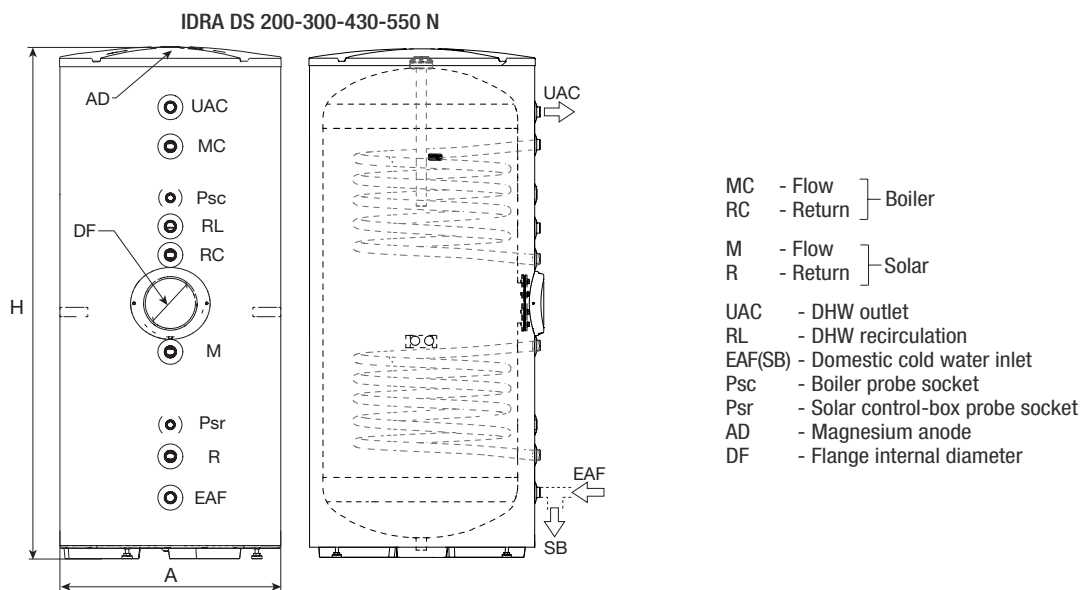
(2) Without electrical plug.

(3) Necessary in case of recirculation system only.

**N.B.** The sacrificial magnesium anode should be periodically monitored and replaced.

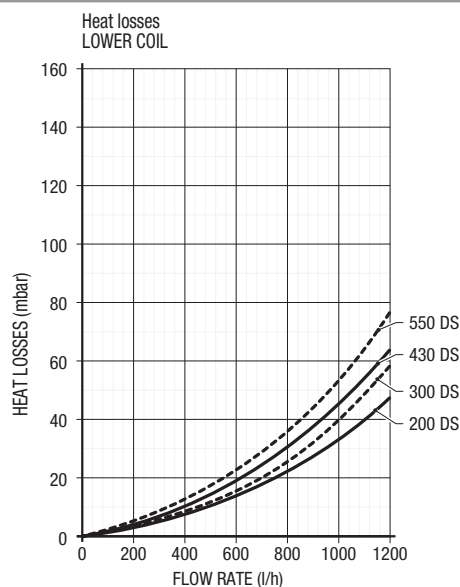
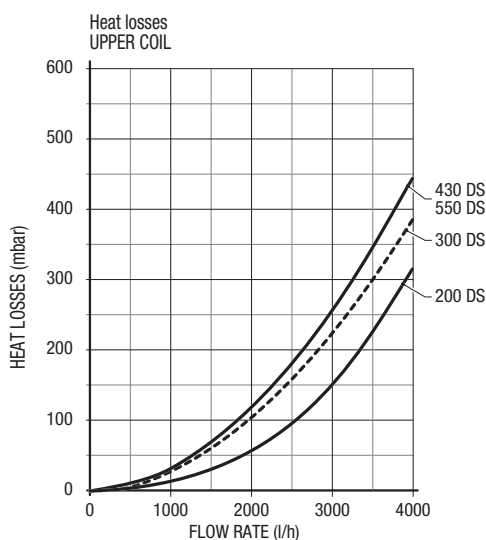
**N.B.** Beretta strongly recommend to connect the tanks to the electrical earth of the plant.

# IDRA DS - WITH INCREASED COIL SURFACE

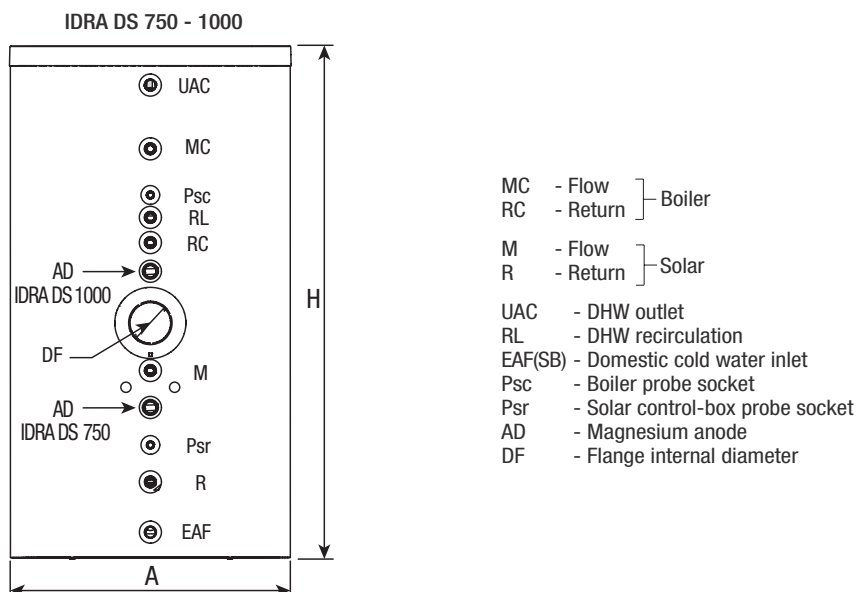


## Technical specifications

DESCRIPTION	IDRA DS 200 N	IDRA DS 300 N	IDRA DS 430 N	IDRA DS 550 N	U.O.M.
Cylinder capacity	208	301	430	551	l
Cylinder diameter with insulation (A)	604		755		mm
Height with insulation (H)	1338	1838	1644	1988	mm
Flange internal diameter	130				mm
Insulation thickness	50				mm
Probe sockets diameter / length	16 / 180				mm
Cylinder / coils max working pressure	10 / 10				bar
Upper coil continuous efficiency (Flow coil temperature 80°C with $\Delta T$ 20°C)	16.1	23	31.4	31.4	kW
Lower coil water content	3.5	5.0	7.0	9.0	l
Upper coil water content	3.5	4.0	5.0	5.0	l
Lower coil exchange surface	0.7	1.0	1.4	1.8	m <sup>2</sup>
Upper coil exchange surface	0.7	0.8	1.0	1.0	m <sup>2</sup>
Net weight	86	108	146	171	kg



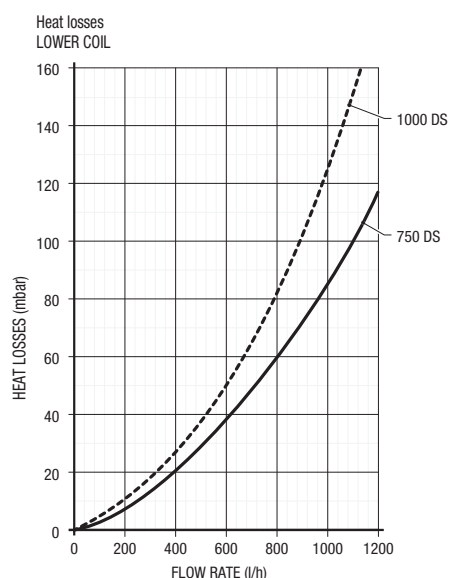
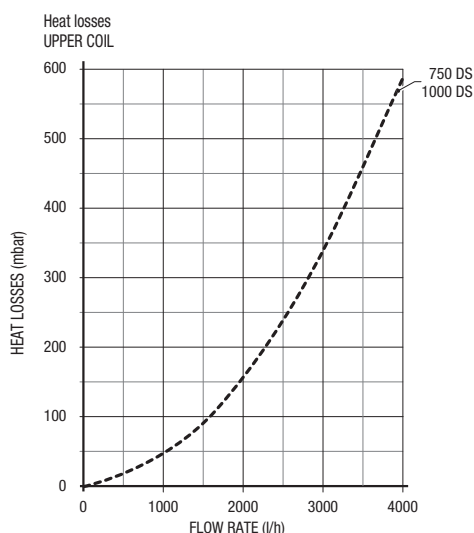
## IDRA DS - WITH INCREASED COIL SURFACE



### Technical specifications

DESCRIPTION	IDRA DS 750 N	IDRA DS 1000 N	U.O.M.
Cylinder capacity	731	883	l
Cylinder diameter with insulation (A)	1000		mm
Height with insulation (H)	1846	2171	mm
Flange internal diameter	130		mm
Insulation thickness	100		mm
Probe sockets diameter/length	16/180		mm
Cylinder / coils max working pressure	7 / 7		bar
Upper coil continuous efficiency (Flow coil temperature 80°C with $\Delta T$ 20°C)	50	50	kW
Lower coil water content	11.5	13.5	l
Upper coil water content	8.0		l
Lower coil exchange surface	2.3	2.7	m <sup>2</sup>
Upper coil exchange surface	1.6		m <sup>2</sup>
Heat loss (according to EN 12897/2006 (*))	94	101	W
Net weight	222	245	kg

(\*) At  $\Delta T = 45^\circ\text{C}$ , ambient  $20^\circ\text{C}$  and storage at  $65^\circ\text{C}$ .





- Enamelled steel solar cylinder with flanges.
- Maximum working temperature 99 °C.
- Possibility to insert up to 3 coils.
- Coils kit with high heat exchanger capacity (accessories).
- Suitable for electrical resistance.
- Double magnesium anode included with the standard equipment.

## Flanged cylinders with high storage capacity



CODE	MODEL	DIMENSIONS with insulation H x Ø (mm)	CYLINDER CAPACITY (litres)	HEAT LOSS (W)
20136280	IDRA PLUS DS 1000	2205 x 990	955 three flanges	142
20136282	IDRA PLUS DS 1500	2185 x 1200	1430 three flanges	162
20136285	IDRA PLUS DS 2000	2470 x 1300	1990 three flanges	186
20052796	IDRA PLUS DS 3000	2680 x 1450	2959 three flanges	344

Cylinders are supplied with flanges but without coils. To select the right coils consult the section below "Specific accessories".  
For EXPANSION VESSELS see the dedicated section "ACCESSORIES FOR SOLAR THERMAL".

## Accessories

CODE	DESCRIPTION	CODE	DESCRIPTION
20055205	Tin coated copper coil kit 2.63 m <sup>2</sup> - 53kW - 1.74L - 10bar	20020707	Three-phase electrical resistance 3.8 kW, 1" 1/2
4383089	Tin coated copper coil kit 4.54 m <sup>2</sup> - 91kW - 3.56L - 10bar	20055206 (**)	Electrical anode kit 1/2"
4383087(*)	Tin coated copper coil kit 6.34 m <sup>2</sup> - 127kW - 5.10L - 10bar	20120499	Solar control box EVOSOL with probes
4383272	Single-phase electrical resistance 3 kW, 1" 1/2	20099595	Solar control box SUN 5 PRO 5 RS with probes
20079908	Single-phase electrical resistance 6.0 kW, 1" 1/2	20020778	1" thermostatic mixing valve with 3/4" adapter

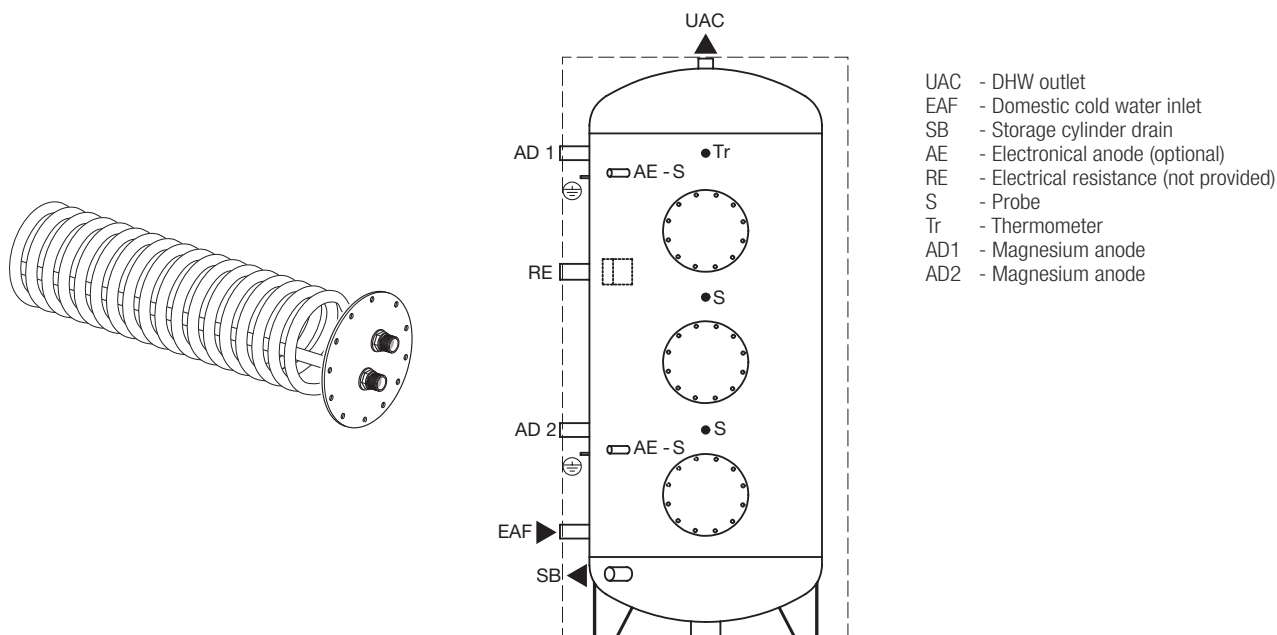
(\*) Not suitable for IDRA PLUS DS 1000.

(\*\*) To connect the electrical anode kit, provide a reduction (not supplied as standard) from 1" ¼ to ½".

**N.B.** The sacrificial magnesium anode should be periodically monitored and replaced.

**N.B.** Beretta strongly recommend to connect the tanks to the electrical earth of the plant.

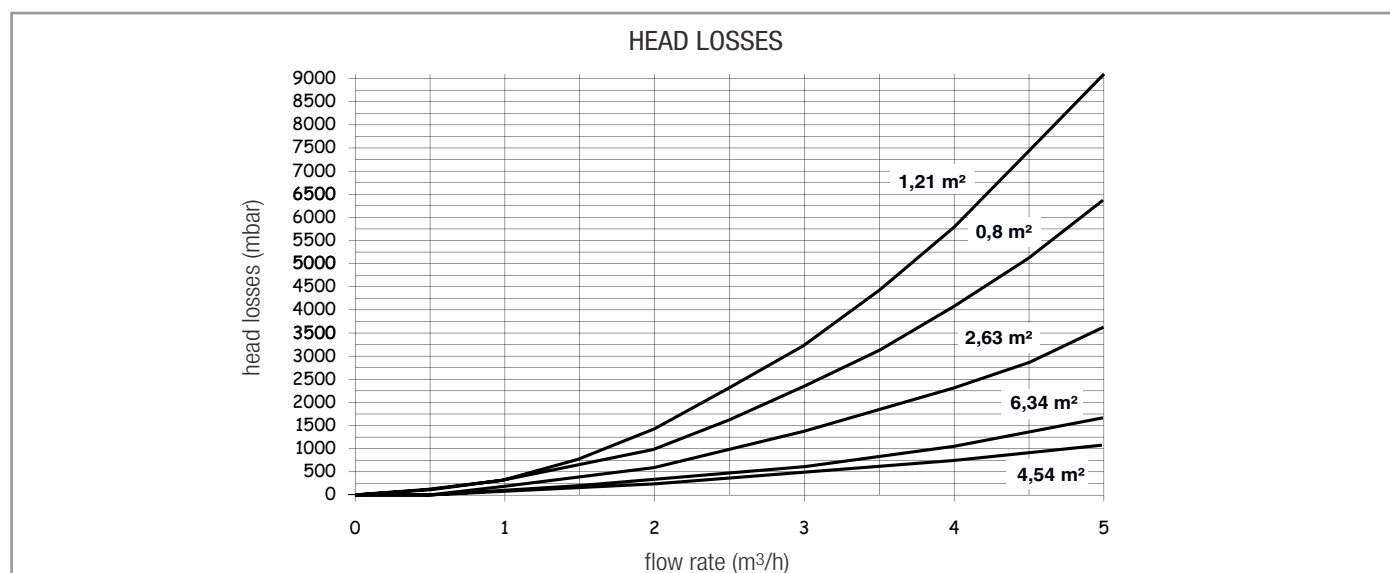
## IDRA PLUS DS - FLANGED WITH HIGH STORAGE CAPACITY



### Technical specifications

	IDRA PLUS DS 1000	IDRA PLUS DS 1500	IDRA PLUS DS 2000	IDRA PLUS DS 3000	UOM
Heat-exchangers lay-out	Horizontal				
Cylinder capacity	955	1430	1990	2959	l
Cylinder diameter with insulation	990	1200	1300	1450	mm
Cylinder diameter without insulation	790	1000	1100	1250	mm
Height with insulation	2205	2185	2470	2680	mm
Insulation thickness	100				mm
First magnesium anode (diameter/length)	32x700				mm
Second magnesium anode (diameter/length)	-	32x400	32x700		mm
Flange diameter	290/220				mm
Probes sockets diameter/lenght	8/200				mm
Electrical resistor (not provided) socket	1" 1/2				Ø
Cylinder maximum working pressure	10	8			bar
Heat loss (according to EN 12897/2006 (*))	3.408	3.888	4.465	8.26	kWh/24h
Net weight	190	305	325	543	kg

(\*) At  $\Delta T = 45^{\circ}\text{C}$ , ambient  $20^{\circ}\text{C}$  and storage at  $65^{\circ}\text{C}$ .





- Vertical steel enamelled solar cylinder.
- Maximum working temperature 99 °C.
- Double coil heat-exchanger.
- High heat exchange capacity of the coils.
- Suitable for electrical resistance.
- Double magnesium anode included with the standard equipment.

### Double coil cylinder with high storage capacity



CODE	MODEL	DIMENSIONS with insulation H x Ø (mm)	CYLINDER CAPACITY (litres)	HEAT LOSS (W)
20136241	IDRA N DS 1500	2185 x 1200	1390 double coil	162
20136242	IDRA N DS 2000	2470 x 1300	1950 double coil	186
20086803	IDRA N DS 2600	2455 x 1450	2572 double coil	-

For EXPANSION VESSELS see the dedicated section "ACCESSORIES FOR SOLAR THERMAL".

### Accessories

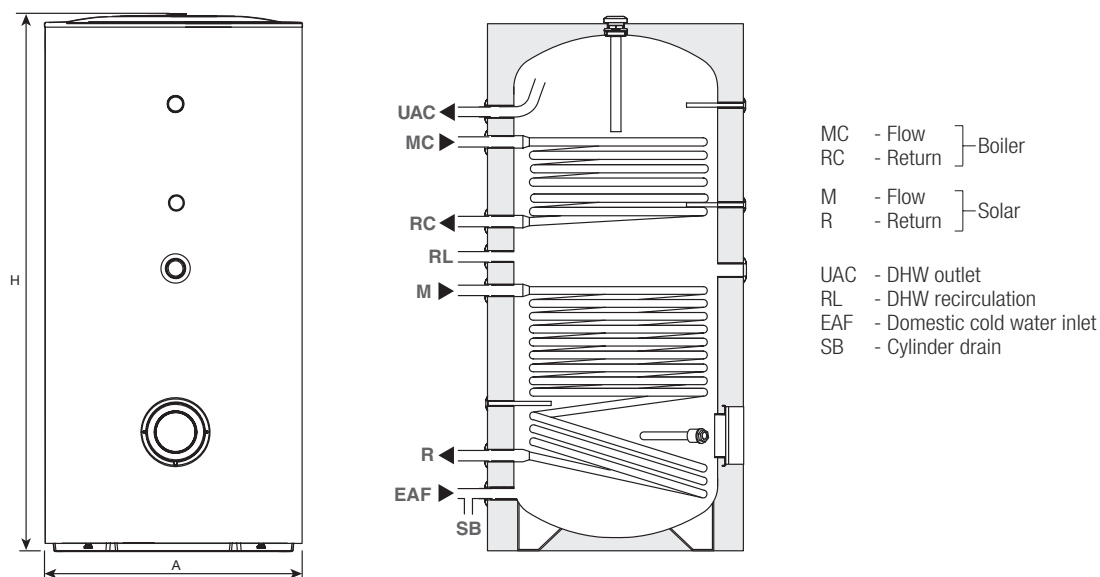
CODE	DESCRIPTION	CODE	DESCRIPTION
20120499	Solar control box EVOSOL with probes	20079908	Single-phase electrical resistance 6 kW, 1" 1/2
20099595	Solar control box SUN 5 PRO 5 RS with probes	20020707	Three-phase electrical resistance 3.8 kW, 1" 1/2
20020778	1" thermostatic mixing valve with 3/4" adapter	20055206	Electrical anode kit 1/2" (*)
4383272	Single-phase electrical resistance 3 kW, 1" 1/2		

(\*) To connect the electrical anode kit, provide a reduction (not supplied as standard) from 1" ¼ to ½".

**N.B.** The sacrificial magnesium anode should be periodically monitored and replaced.

**N.B.** Beretta strongly recommend to connect the tanks to the electrical earth of the plant.

## IDRA N DS - WITH HIGH STORAGE CAPACITY

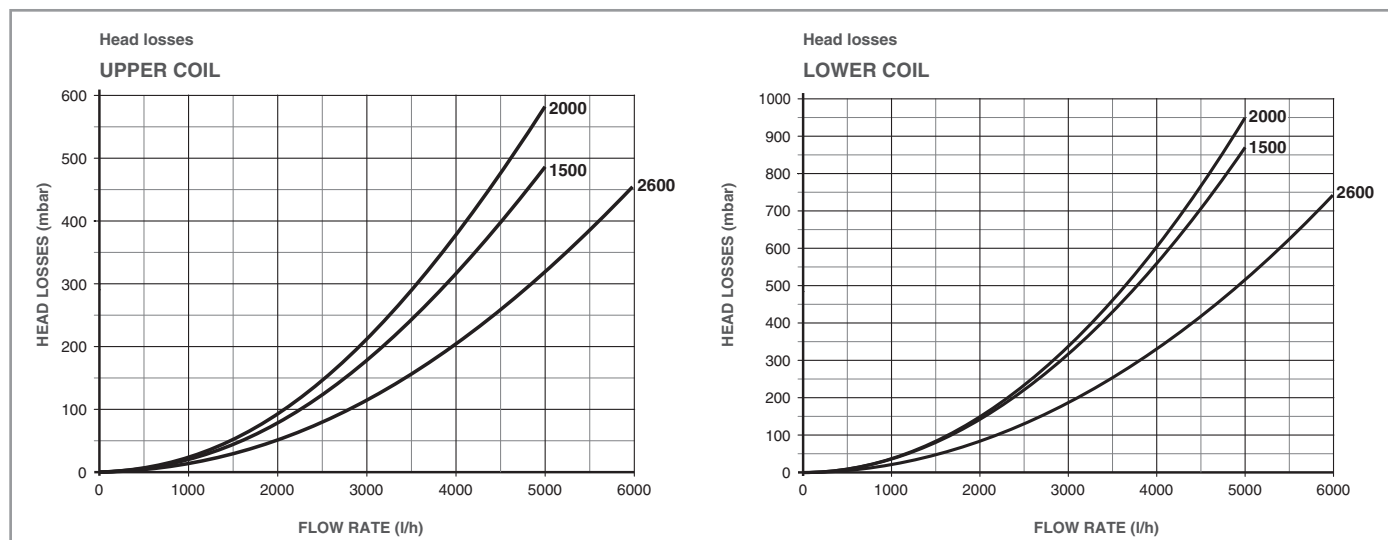


### Technical specifications

DESCRIPTION	IDRA N DS 1500	IDRA N DS 2000	IDRA N DS 2600	UOM
Cylinder capacity	1390	1950	2572	l
Cylinder diameter with insulation	1200	1300	1450	mm
Cylinder diameter without insulation	1000	1100	1250	mm
Height with insulation	2185	2470	2455	mm
Insulation thickness	100			mm
Probes socket diameter	8			mm
Lower coil water content	19.4	28.1	28.4	l
Upper coil water content	10.4	16.9	20.3	l
Lower coil exchange surface	3.4	4.6	4.6	m <sup>2</sup>
Upper coil exchange surface	1.8	2.8	3.3	m <sup>2</sup>
Lower coil absorbed power (*)	88	120	110	kW
Upper coil absorbed power (*)	47	73	79	kW
Heat loss (according to EN 12897/2006 (**))	3.89	4.46	-	kWh/24h
Cylinder maximum working pressure	8			bar
Coil maximum working pressure	10			bar
Net weight with insulation	325	540	600	kg

(\*) With  $\Delta T = 20^{\circ}\text{C}$  (80/60 $^{\circ}\text{C}$ ) on coil.

(\*\*) At  $\Delta T = 45^{\circ}\text{C}$ , ambient  $20^{\circ}\text{C}$  and storage at  $65^{\circ}\text{C}$ .





## Single coil DHW cylinders

### IDRA C-HP MS



- Cylinder suitable for pairing with boilers and heat pumps.
- Vertical single coil glazed cylinder.
- Energy class B
- It's possible to fix a removable coil (optional) for the combination with a solar system.
- It's possible to fix a electrical resistance (optional) as back up.
- Magnesium anode included as standard.
- Maximum working temperature 99 °C.
- Coils maximum working pressure: 10 bar. (only 150 - 500)
- Coils maximum working pressure: 7 bar. (only 800 - 1000)
- Insulation through separated packaging (only 800 - 1000)

## DHW tanks ideal for heat pumps

CODE	MODEL	DIMENSIONS with insulation H x Ø (mm)	CYLINDER CAPACITY (litres)	HEAT LOSS (W)*	Energy efficiency class
20204198	IDRA C-HP 150 MS	1138 x 604	170 single coil	55	B
20204200	IDRA C-HP 200 MS	1354 x 604	210 single coil	58	B
20204202	IDRA C-HP 300 MS	1838 x 604	305 single coil	68	B
20204204	IDRA C-HP 500 MS	1793 x 755	500 single coil	84	B
20204206	IDRA C-HP 800 MS	1835 x 974	735 single coil	94	-
20204208	IDRA C-HP 1000 MS	2155 x 974	890 single coil	101	-

(\*) According to EN 12897:2006, Dt = 45 °C (outdoor temperature 20 °C, storage temperature 65 °C).

## RECOMMENDED COMBINATIONS - HEATER AND HEAT PUMP

HEATER			HEAT PUMP HYDRO UNIT M												
CODE	MODEL	Continuous domestic water output (kW)*	M 004	M 006	M 008	M 010	M 012	M 014	M 016	M 012 T	M 014 T	M 016 T	M 018 T	M 022 T	M 026 T
			20191950	20191951	20191952	20191953	20191954	20191956	20191957	20191958	20191959	20191960	20194173	20194174	20194175
20204198	IDRA C-HP 150 MS	6	•	•											
20204200	IDRA C-HP 200 MS	9	•	•	•										
20204202	IDRA C-HP 300 MS	12	•	•	•	•	•			•					
20204204	IDRA C-HP 500 MS	16			•	•	•	•	•	•	•	•			
20204206	IDRA C-HP 800 MS	19					•	•	•	•	•	•	•		
20204208	IDRA C-HP 1000 MS	25							•			•	•	•	•

(\*) Flow temperature to the coil 50 °C  $\Delta T$  5 °C with DHW 10-45°C.

For the correct sizing of the heater, please refer to the technical data in the product data sheets.

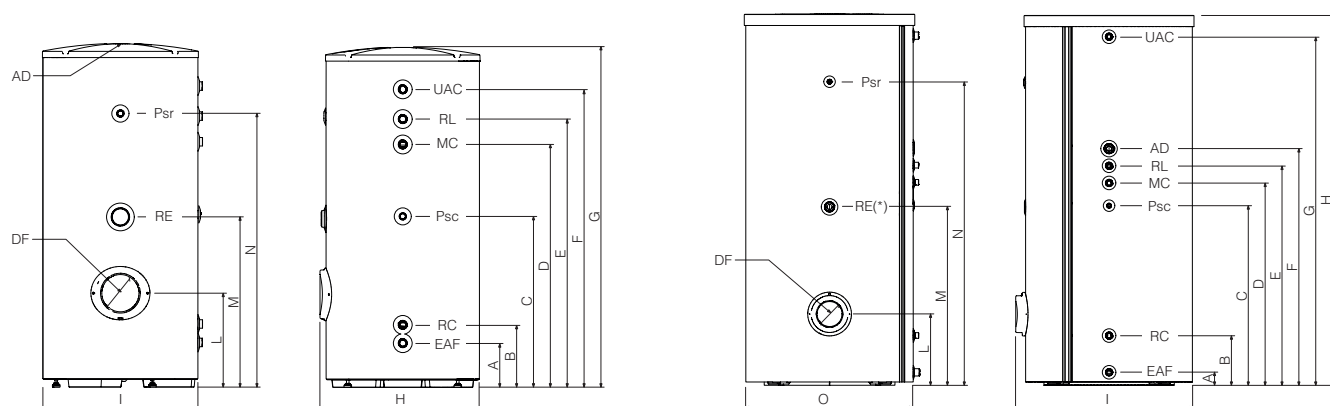
HEATER			HEAT PUMP EXCLUSIVE FE								
CODE	MODEL	Continuous domestic water output (kW)*	5M	7M	9M	12M	15M	12T	15T	18T	25T
			20181815	20181816	20181817	20181819	20181822	20181820	20181823	20181824	20181825
20204198	IDRA C-HP 150 MS	6	•	•							
20204200	IDRA C-HP 200 MS	9	•	•	•						
20204202	IDRA C-HP 300 MS	12	•	•	•	•		•			
20204204	IDRA C-HP 500 MS	16			•	•	•	•	•	•	
20204206	IDRA C-HP 800 MS	19				•	•	•	•	•	
20204208	IDRA C-HP 1000 MS	25								•	•

(\*) Flow temperature to the coil 50 °C  $\Delta T$  5 °C with DHW 10-45°C.

For the correct sizing of the heater, please refer to the technical data in the product data sheets.

## Accessories

CODE	DESCRIPTION
20119911	1.5 kW Single-phase flanged electrical resistance kit (only 150 - 500)
20119912	2.2 kW Single-phase flanged electrical resistance kit (only 150 - 500)
20119913	3 kW Single-phase flanged electrical resistance kit (only 150 - 500)
20119914	3.8 kW Three-phase flanged electrical resistance kit (only 150 - 500)
20131666	1.5 kW single-phase flanged electrical resistance kit (only 800 - 1000)
20131667	2.2 kW single-phase flanged electrical resistance kit (only 800 - 1000)
20131669	3 kW single-phase flanged electrical resistance kit (only 800 - 1000)
20131670	3.8 kW three-phase flanged electrical resistance kit (only 800 - 1000)
20020778	1" thermostatic mixing valve with 3/4" adapter
20123850	Cylinder thermometer kit
20123849	Bend kit for the recirculation
20055206	Electrical anode kit 1/2"
20123851	Bend kit for electrical anode
4383270	1,5 kW Single-phase electrical resistance 1" 1/2
4383271	2,2 kW Single-phase electrical resistance 1" 1/2
4383272	3 kW Single-phase electrical resistance 1" 1/2
20020707	3.8 kW Three-phase electrical resistance 1" 1/2
20079908	6 kW Single-phase electrical resistance 1" 1/2
20203248	Solar heat exchanger 0,8m <sup>2</sup> for C-HP 150-300
20203246	Solar heat exchanger 1,2m <sup>2</sup> for C-HP 500
20203245	Solar heat exchanger 1,9m <sup>2</sup> for C-HP 800-1000



DESCRIPTION		150 ms	200 ms	300 ms	500 ms	800 ms	1000 ms
Buffer tank capacity	l	170	210	305	500	735	890
External diameter with insulation (l)	mm	604	604	604	755	974	974
Height with insulation (G)	mm	1138	1354	1838	1793	1835	2155
Insulation thickness	mm	52	52	52	52	92	92
Diameter and length of probe sockets	mm	16/180	16/180	16/180	16/180	16/180	16/180
Coil water content	l	4,25	6,9	8,5	18,9	21	24,4
Coil heat-exchange surface	m <sup>2</sup>	0,85	1,38	1,7	2,2	2,5	2,9
Tank maximum working pressure	bar	10	10	10	10	7	7
Coil maximum working pressure	bar	10	10	10	10	7	7
Net weight	kg	62	78	103	150	203	225




# MONOVALENT HEATING, COOLING AND DHW PRODUCTION SYSTEM COMBINED WITH HEAT PUMP



**IDRA HP - FOR HEAT PUMPS AND SOLAR THERMAL**

- Vertical storage tank in vitrified steel for DHW production.
- Ideal for application with heat pumps thanks to the increased surface of the coil heat-exchanger.
- Flange for solar coil heat-exchanger kit (available as option).
- Maximum working temperature 99 °C.
- Coils maximum working pressure: 6 bar.
- Suitable for electrical resistance.
- Magnesium anode included as standard.

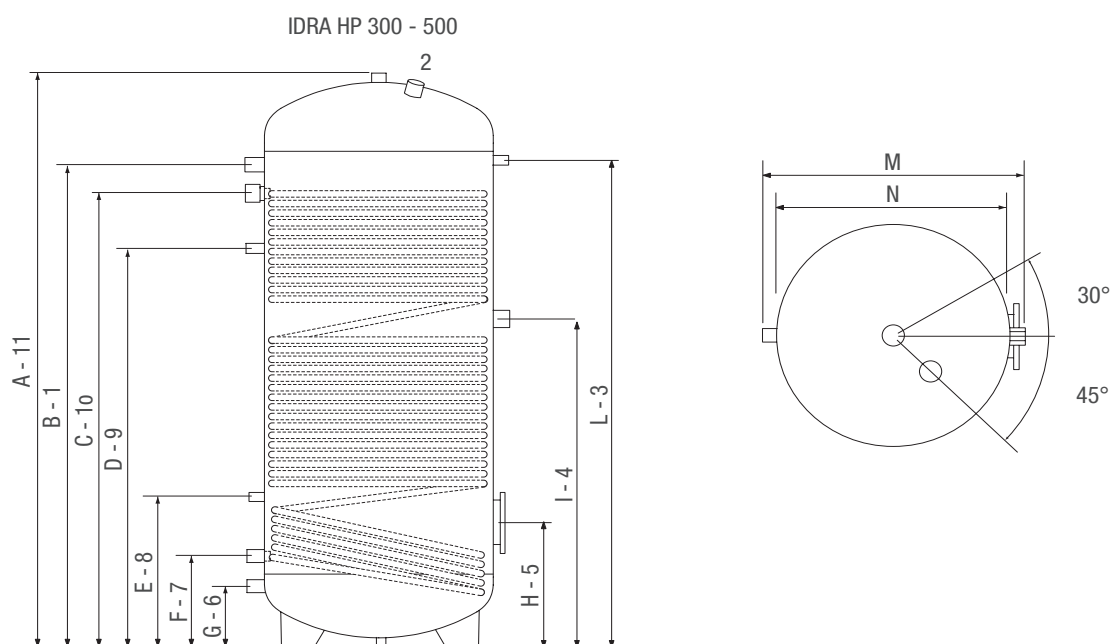
**DHW tanks ideal for heat pumps**

CODE	MODEL	DIMENSIONS with insulation H x Ø (mm)	CYLINDER CAPACITY (litres)	HEAT LOSS (W)	INSULATION CLASS 
20117745	IDRA HP 300	1615 x 600	263 single coil	85	
20117746	IDRA HP 500	1690 x 750	475 single coil	112	

**Accessories**

CODE	DESCRIPTION	CODE	DESCRIPTION
4383270	Single-phase electrical resistance 1.5 kW, 1" 1/2	4383504	Solar coil heat exchanger kit for IDRA HP 300
4383272	Single-phase electrical resistance 3 kW, 1" 1/2	4383505	Solar coil heat exchanger kit for IDRA HP 500
20020778	1" thermostatic mixing valve with 3/4" adapter		

**N.B.** The sacrificial magnesium anode should be periodically monitored and replaced.  
**N.B.** Beretta strongly recommend to connect the tanks to the electrical earth of the plant.



## Technical specifications

DESCRIPTION	IDRA HP 300	IDRA HP 500	UOM
Tank type	vitified	vitified	-
Tank lay-out	vertical	vertical	-
Heat exchanger lay-out	vertical	vertical	-
Coil exchange surface	4	6	m <sup>2</sup>
Tank maximum working pressure	6		bar
Coil water content	23	51.5	l
Coil maximum working pressure	6	6	bar
Coil absorbed max power (80/60°C)	96	156	kW
Maximum working temperature	99		°C
Insulation thickness in CFC-free expanded polyurethane	50		mm
Inspection flange diameter	180/120		Ø/mm
Empty weight	119	166	kg
Cylinder capacity	263	475	l
Heat loss (according to EN 12897/2006 (at ΔT = 45°C, ambient 20°C and storage at 65°C))	85	112	W
	2.04	2.69	kWh/24h
Insulation CLASS	C	C	-

DESCRIPTION	IDRA HP 300	IDRA HP 500	UOM
1 DHW OUTLET	1"	1"	inch
2 Anode	1"1/4	1"1/4	inch
3 Probe thermometer	1/2"	1/2"	inch
4 Electrical resistance	1"1/2	1"1/2	inch
5 Flange	180/120	180/120	Ø/mm
6 Cold water INLET	1"	1"	inch
7 Coil RETURN	1"	1"1/4	inch
8 Probe	1/2"	1/2"	inch
9 Recirculation	1/2"	1/2"	inch
10 Coil OUTLET	1"	1"1/4	inch
11 DHW OUTLET	1"1/4	1"1/4	inch
(12) blind pallet connection	1/2"	1/2"	inch

	IDRA HP 300	IDRA HP 500	UOM
A	1615	1690	mm
B	1390	1415	mm
C	1310	1325	mm
D	1165	1170	mm
E	395	425	mm
F	220	265	mm
G	140	185	mm
H	340	370	mm
I	945	970	mm
L	1390	1425	mm
M	600	750	mm
N	500	650	mm

**STOR M and STOR - WITH COIL OR FLANGED**

- Designed for forced circulation solar systems to supplement the heating system.
- Production of DHW through an additional external heat exchange module "ACS" (see dedicated pages).
- STOR M and STOR tanks are not suitable for DHW storage.
- Tank and coil maximum working temperature: 99°C.
- Eight fittings at different heights for the use of different types of heat generators for the best stratification.
- Buffer tank and insulation are delivered in separate packages for STOR models.
- STOR M models: supplied with heat exchange solar coil and insulation as standard equipment.
- STOR models: through a standard flange it is possible the insertion of an additional heat exchange solar coil, available as accessory.

**Buffer tanks with coil or flanged**

CODE	MODEL	DIMENSIONS with insulation H x Ø (mm)	BUFFER TANK CAPACITY (litres)	HEAT LOSS (W)	ENERGY CLASS 
<b>BUFFER TANKS WITH COIL</b>					
20055207	STOR 300 M	1635 x 700	283 with coil	93	
20055208	STOR 500 M	1775 x 850	489 with coil	110	
20136264	STOR 1000 M	2190 x 990	920 with coil	143	-
20136265	STOR 1500 M	2165 x 1200	1410 with coil	167	-
<b>FLANGED BUFFER TANKS (WITHOUT COIL)</b>					
20136258	STOR 2000	2480 x 1300	2010	190	-
20001409	STOR 3000	2720 x 1450	2959	344	-
20001410	STOR 5000	2870 x 1800	5055	646	-

For EXPANSION VESSELS see the dedicated section "ACCESSORIES FOR SOLAR THERMAL".

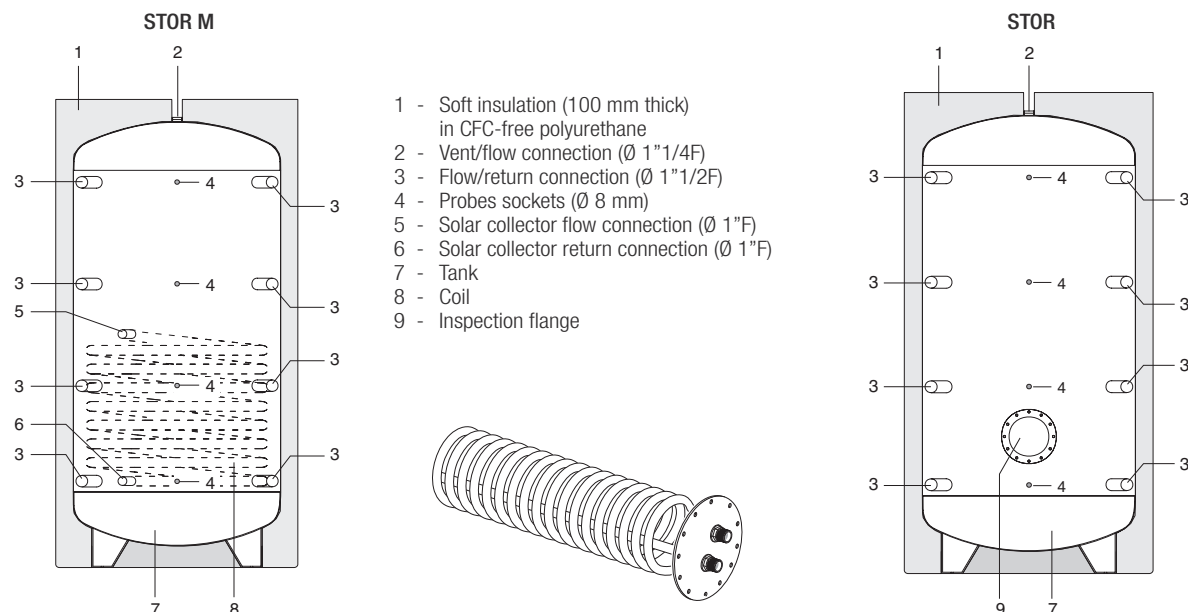
**Accessories**

CODE	DESCRIPTION
20055205	Tin coated copper coil kit 2.63 m <sup>2</sup> (*) - 53kW - 1.74L - 10bar
4383089	Tin coated copper coil kit 4.54 m <sup>2</sup> (*) - 91kW - 3.56L - 10bar
4383087	Tin coated copper coil kit 6.34 m <sup>2</sup> (*) - 127kW - 5.10L - 10bar

(\*) To use only with STOR 2000, STOR 3000 and STOR 5000.

**N.B.** Beretta strongly recommend to connect the tanks to the electrical earth of the plant.

# **STOR M and STOR - WITH COIL OR FLANGED**

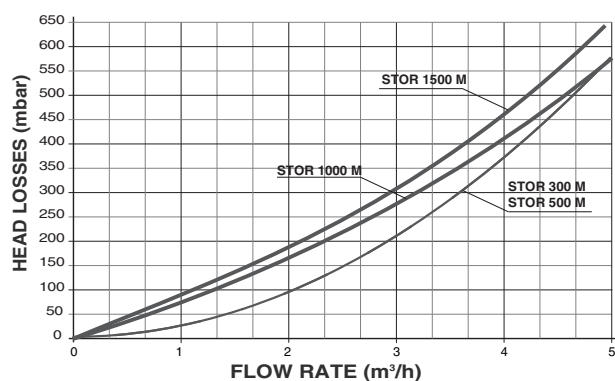


## **Technical specifications**

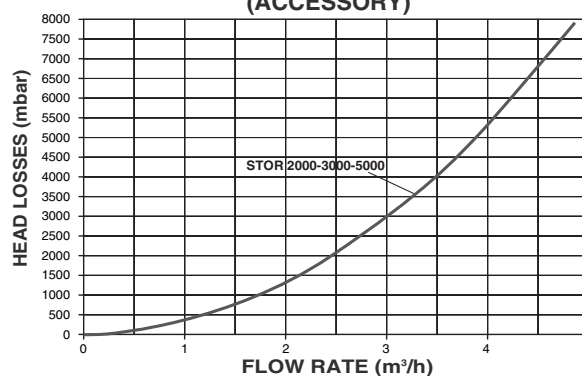
SPECIFICATIONS	STOR 300 M	STOR 500 M	STOR 1000 M	STOR 1500 M	STOR 2000	STOR 3000	STOR 5000	UOM
Heat-exchanger layout	Vertical				-	-	-	
Buffer tank capacity	283	489	920	1410	2010	2959	5055	l
External diameter with insulation	700	850	990	1200	1300	1450	1800	mm
Height with insulation	1635	1775	2190	2165	2480	2720	2870	mm
Insulation thickness	100							mm
Flange diameter (external/internal)	-	-	-	-	290/220	290/220	290/220	mm
Probes sockets diameter	8							mm
Coil water content	10.4	10.4	14.6	21.6	-	-	-	l
Coil heat-exchange surface	1.8	1.8	2.6	3.8	-	-	-	m <sup>2</sup>
Coil absorbed power (*)	43	45	68	99	-	-	-	kW
Tank maximum working pressure	3							bar
Coil maximum working pressure	6	6	6	6	-	-	-	bar
Heat loss according to EN 12897/2006 (**)	2.232	2.64	3.43	4.01	4.56	8.256	15.504	kWh/24h
Net weight with insulation	115	140	180	245	290	415	570	kg

(\*) With  $\Delta T = 20^{\circ}\text{C}$  (80/60°C) on coil. (\*\*) At  $\Delta T = 45^{\circ}\text{C}$ , ambient  $20^{\circ}\text{C}$  and storage at  $65^{\circ}\text{C}$ .

**STOR M HEAD LOSSES**








**HEAD LOSSES OF STOR EXCHANGE COIL (ACCESSORY)**



**STOR H**

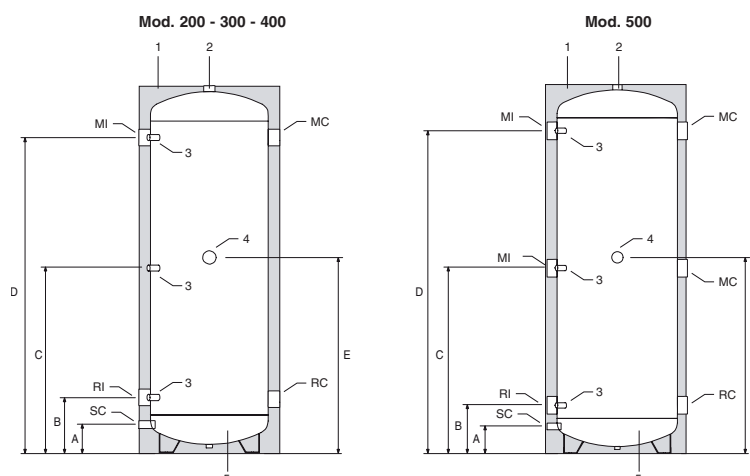
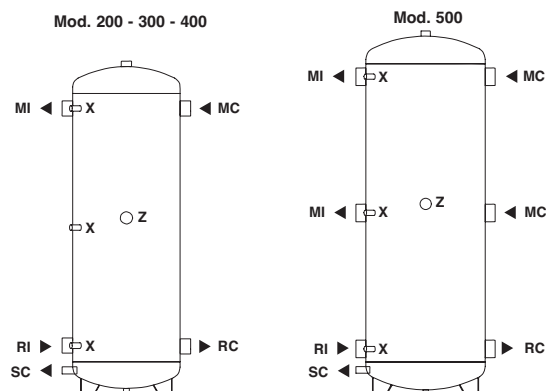
- Inertial cold/hot water buffer tank, **ideal to be used in systems with heat pumps, solar thermal, biomass boilers.**
- It can be easily fitted into systems where Beretta boilers work as an auxiliary heat generator.
- The fittings are positioned at different heights for use in high and low temperature circuits.
- Possibility to integrate an electrical resistance.

**Inertial cold/hot water buffer tank**

CODE	DESCRIPTION	DIMENSIONS H x Ø (mm)	STORAGE VOLUME (litres)	HEAT LOSS (W)	ENERGY CLASS 
20056180	STOR H 200	1395 x 550	203	68	
20056181	STOR H 300	1560 x 600	277	82	
20056182	STOR H 400	1540 x 700	390	105	
20056183	STOR H 500	1840 x 700	473	114	

**Accessories**

CODE	DESCRIPTION	CODE	DESCRIPTION
4383270	Single-phase electrical resistance kit 1.5 kW, 1" 1/2	4383272	Single-phase electrical resistance kit 3 kW, 1" 1/2
4383271	Single-phase electrical resistance kit 2.2 kW, 1" 1/2	20020707	Three-phase electrical resistance kit 3.8 kW, 1" 1/2



## Technical specifications

DESCRIPTION		STOR H 200	STOR H 300	STOR H 400	STOR H 500
Buffer tank type		Not enamelled			
Buffer tank lay-out		Vertical			
Storage volume	l	203	277	390	473
External diameter with insulation	mm	550	600	700	700
Height with insulation	mm	1395	1560	1540	1840
Insulation thickness	mm	50			
Tank maximum working pressure	bar	6			
Tank maximum working temperature	°C	99			
Heat losses	W	68	82	105	114
Net weight with insulation	kg	45	55	95	95
Gross weight (package included)	kg	64	75	116	118
1 - Insulation (polyurethane)	mm	50			
2 - Vent valve fitting	Ø	1" 1/4 F			
3 - Probe sockets diameter	Ø	1/2" F			
4 - Sleeve for electric heating element (not supplied)	Ø	1" 1/2 F			
5 - Buffer tank		-			
MI - CH Flow	Ø	1" 1/2 F	2" F	2" 1/2 F	2" 1/2 F
RI - CH Return	Ø	1" 1/2 F	2" F	2" 1/2 F	2" 1/2 F
SC - Drain	Ø	1/2" F	3/4" F	3/4" F	3/4" F
RC - Boiler Return	Ø	1" 1/2 F	2" F	2" 1/2 F	2" 1/2 F
MC - Boiler Flow	Ø	1" 1/2 F	2" F	2" 1/2 F	2" 1/2 F
Z - Electrical heater fitting					
X - Probes sockets					
A	mm	105	120	135	135
B	mm	215	235	240	240
C	mm	705	785	775	925
D	mm	1200	1340	1310	1610
E	mm	750	830	820	970

## SOLAR CONTROLS AND PUMP STATIONS

### CONNECT SOLAR



CODE	DESCRIPTION
20116162	7.5 m CONNECT SOLAR R - only return hydraulic group <sup>(A)</sup>
20116161	7.5 m CONNECT SOLAR M/R - flow/return hydraulic group <sup>(B)</sup>
20156553	High Residual Head, Flow & Return solar hydraulic group (10 bar; 11 m) <sup>(C)</sup>
20158203	Hydraulic connections for RSS MR 14MT

<sup>(A)</sup> Only return hydraulic group for wall-mounting installation without solar control box, equipped with pump for PWM and ON/OFF management.

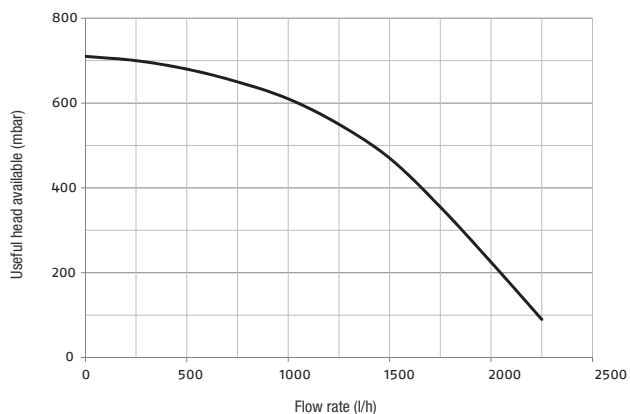
<sup>(B)</sup> Flow/return hydraulic group for wall-mounting installation, equipped with EVOSOL solar control box and PWM modulating pump.

<sup>(C)</sup> The group can provide high residual head for up to 35 m<sup>2</sup> of net solar collector area. Please refer to the product instruction manual for the performance group of the pump to correctly choose the pump station based on the designed flow rate of the solar thermal loop.

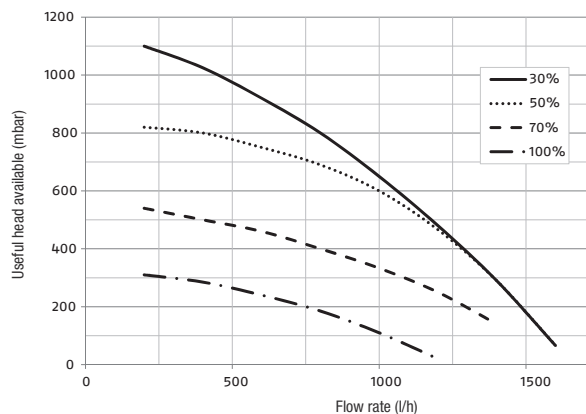
### USEFUL HEAD AVAILABLE

Solar delivery and return station. Values referred to a mix of water and 30% glycol.

CONNECT SOLAR R and M/R



LE (head 14.5 m)



### EVOSOL



CODE	DESCRIPTION
20120499	Solar control box EVOSOL with probes

Commercial name	No. of standard output relays	No. of Inlets for probes	No. of Probes supplied	No. of configurable system layouts
EVOSOL	2	4	1x collector + 2x heaters	9

## SOLAR CONTROLS AND PUMP STATIONS

### SUN PRO



CODE	DESCRIPTION
20099595	Solar control box SUN 5 PRO 5 RS with probes

Commercial name	No. of standard output relays	No. of Inlets for probes	No. of Probes supplied (*)	No. of configurable system layouts
SUN 5 PRO 5 RS	5	9	2x collector + 3x heaters	7 (+ variants)

(\*) Specific probes for flat collectors.

### Accessories

CODE	DESCRIPTION
20039694	SUN 1 thermostat with boiler probes
20125097	Additional solar probe for EVOSOL and SUN 5 PRO 5 RS control unit <sup>(1)</sup>
20123856	Additional heater probe for EVOSOL and SUN 5 PRO 5 RS control unit <sup>(1)</sup>

<sup>(1)</sup> The solar control boxes are already equipped with probes



- Heat exchange unit on solar side
- Suitable for medium-sized solar systems
- Wall installation
- Can be used for two storages
- Effective for layering at two heights
- Solar control unit as standard
- Low-consumption circulating pumps as standard
- Electronic management of circulating pump on solar circuit
- Motorised diverting valve
- AISI 316 plate heat exchanger
- Complete with thermal insulation
- Complete with flow meter for visualisation of flow rate on storage side

### Solar circuit heat exchange unit - technical water

CODE		MODEL	DIMENSIONS H x L x D (mm)	MANAGEABLE COLLECTOR SURFACE (m²)
20156326		SC SUN 50	600 x 400 x 250	20 *

\* Domestic water production at 45°C, with inlet at 10°C and storage temperature at 55°C.



- Heat exchange unit on solar side
- Suitable for large solar systems
- Wall installation
- Can be used for two storages
- Effective for layering at two heights
- Solar control unit as standard
- Low-consumption circulating pumps as standard
- Electronic management (0-10 V) of circulating pump on solar circuit
- Motorised diverting valve
- Electronic flow meter for visualisation of flow rate on storage side
- Complete with thermal insulation
- AISI 316 plate heat exchanger

### Solar circuit heat exchange unit - technical water

CODE	MODEL	DIMENSIONS H x L x D (mm)	MANAGEABLE COLLECTOR SURFACE (m <sup>2</sup> )
20156327	SC SUN 120	840 x 480 x 220	80 *

\* Domestic water production at 45°C, with inlet at 10°C and storage temperature at 55°C.

### Solar circuit heat exchange unit - domestic hot water

CODE	MODEL	DIMENSIONS H x L x D (mm)	MANAGEABLE COLLECTOR SURFACE (m <sup>2</sup> )
20156331	SC SUN 120 ACS	840 x 480 x 220	80 *

\* Domestic water production at 45°C, with inlet at 10°C and storage temperature at 55°C.



- Heat exchange unit for instantaneous production of domestic hot water in small and medium solar systems
- Wall installation
- Standard control unit (SC ACS 40, SC ACS 80)
- Thermostatic mixing valve as standard (SC ACS 25, SC ACS 35)
- Electronic temperature control (SC ACS 40, SC ACS 80)
- Low return temperature on primary circuit
- Low-consumption circulating pump as standard
- AISI 316 plate heat exchanger
- Possibility of cascade installation
- Possibility of recirculation kit installation

## Technical water - domestic hot water heat exchange unit

CODE	MODEL	DIMENSIONS H x L x D (mm)	DOMESTIC WATER PRODUCTION (*) (litres/min.)
20156322	SC ACS 25	600 x 400 x 250	19
20156324	SC ACS 35	600 x 400 x 250	28
20156325	SC ACS 40	600 x 400 x 250	38
20182669	SC ACS 80	835 x 475 x 226	60

\* Domestic water production at 45°C, with inlet at 10°C and storage temperature at 55°C.

## Accessories

CODE	DESCRIPTION
20083502	Recirculation kit SC ACS 25 and SC ACS 35 <sup>(1)</sup>
20182673	Recirculation kit SC ACS 40 <sup>(2)</sup>
20182676	Recirculation kit SC ACS 80 <sup>(3)</sup>
20182674	Cascade kit 2 x SC ACS 40 <sup>(4)</sup>
20182675	Cascade kit 3 x SC ACS 40 <sup>(4)</sup>
20182677	Cascade kit 2 x SC ACS 80 <sup>(5)</sup>
20182678	Cascade kit 3 x SC ACS 80 <sup>(5)</sup>

<sup>(1)</sup> Use only one recirculation kit both in case of single SC ACS and in case of SC ACS in cascade.

<sup>(2)</sup> Use the recirculation kit only in case of single SC ACS 40.

<sup>(3)</sup> Use the recirculation kit only in case of single SC ACS 80.

<sup>(4)</sup> SC ACS 40 cascade kit includes the recirculation kit.

<sup>(5)</sup> SC ACS 80 cascade kit includes the recirculation kit.



## Heat exchanger units

### SC ACS



HYBRID SYSTEMS

HEAT PUMPS

WALL HUNG BOILERS

WATER-HEATERS

SOLAR THERMAL UNIT  
AND CYLINDERS

CENTRALIZED HEATING

AIR CONDITIONING

TERMINAL UNITS

SYSTEM  
COMPLEMENTARY ITEMS

- Heat exchange unit for instantaneous production of domestic hot water
- Suitable for large solar systems
- Control unit as standard
- Low return temperature on primary circuit
- Two low-consumption circulating pumps as standard
- Electronic management (0-10 V) of circulating pump on solar circuit
- Modulating circulating pump for DHW recirculation
- AISI 316 plate heat exchanger

### Technical water - domestic hot water heat exchange unit

CODE	MODEL	DIMENSIONS H x L x D (mm)	DOMESTIC WATER PRODUCTION (*) (litres/min.)
20176021	SC ACS 160	1100 x 1000 x 469	100
20156329	SC ACS 225	1100 x 1000 x 469	150

\* Domestic water production at 45°C, with inlet at 10°C and storage temperature at 55°C.

**Delivery time of the material if not available in stock: up to 30 working days from order validation date.**

## SOLAR THERMAL ACCESSORIES

### Stainless steel and copper pipes

CODE	DESCRIPTION
1150619	Ø16 Flexible pipe 15m, connecting collector to cylinder <sup>(E)</sup>
20001451	Ø16 Flexible pipe 20m, connecting collector to cylinder <sup>(E)</sup>
20029277	Compensation joint kit
20007290	Fittings kit for flexible stainless-steel pipes (2.5m <sup>2</sup> solar collectors) <sup>(E)</sup>
20027289	Fittings kit for flexible stainless-steel pipes (2.5m <sup>2</sup> solar collectors)
20014661	Fittings kit for copper pipes (connection with 2.5m <sup>2</sup> solar Al frame collectors, and with solar cylinder)
20108734	Female ending fittings kit

(E) This code is available until stock is exhausted.



CENTRALIZED HEATING >>

CONDENSING WALL-HUNG BOILERS	208
WALL HUNG MODULAR SYSTEMS	216
FLOOR MODULAR SYSTEMS	239
FLUE OPTION SYSTEMS	253



**POWER EVO-X**

- New horizontal primary stainless steel heat exchanger
- Low pollutant emissions, class 6 (UNI EN 15502-1)
- Possibility to cascade up to 280 kW
- Possibility to install both front or back-to-back cascade system
- Designed to operate with natural gas and hydrogen mixtures, up to a maximum of 20%
- Low consumption modulating circulator with high hydraulic head
- Protection degree: IP X5D
- Maximum operating pressure: 5 bar
- Wide range of accessories available

**Premixed condensing boiler**

CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	HEAT INPUT Min - Max (kW)	CLASS
<b>ONLY HEATING</b>					
20190069	IT - EN	POWER EVO-X 50 DEP	740 x 470 x 350	5,20-34,9	
20202734	FR				
20202735	ES - PT				
20202736	PL - HU - RO - RU				
20202737	SK - SR - GR - SI - HR				
20190070	IT - EN	POWER EVO-X 50	740 x 470 x 350	5,20-45	
20202738	FR				
20202739	ES - PT				
20202740	PL - HU - RO - RU				
20202741	SK - SR - GR - SI - HR				

## POWER EVO-X

CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	HEAT INPUT Min - Max (kW)	CLASS
20190072	IT - EN	POWER EVO-X 65	740 x 470 x 453	8,20-55	
20202742	FR				
20202743	ES - PT				
20202744	PL - HU - RO - RU				
20202745	SK - SR - GR - SI - HR				
20190073	IT - EN	POWER EVO-X 80	740 x 470 x 453	8,20-70	
20202746	FR				
20202747	ES - PT				
20202748	PL - HU - RO - RU				
20202749	SK - SR - GR - SI - HR				

## Accessories - stand alone installation

CODE	DESCRIPTION
<b>HYDRAULIC ACCESSORIES</b>	
20195886	Hydraulic separator/plate heat exchanger connection <sup>(1)</sup>
20195884	Horizontal hydraulic separator
20195888	Brazed plate heat exchanger kit for stand alone boiler (20 plates) <sup>(2)</sup>
20197360	Brazed plate heat exchanger kit for stand alone boiler (30 plates) <sup>(2)</sup>
20195889	Internal 3 way valve kit <sup>(3)</sup>
20195890	External 3 way valve kit <sup>(4)</sup>
20195891	Delivery/return connection for direct installation
<b>SAFETY ACCESSORIES</b>	
20195883	Safety kit manifold <sup>(5)</sup>
20199254	Safety valve 4,5 bar FF 3/4"x1" <sup>(6)</sup>
<b>MECHANICAL ACCESSORIES</b>	
20195885	Cover for safety kit/hydraulic separator
20195887	Cover for plate heat exchanger
20200070	Spacer kit for fixing to wall <sup>(7)</sup>
<b>ELECTRICAL ACCESSORIES</b>	
20193922	Comando remoto REC10MH <sup>(8)</sup>

(1) Suitable for the combination with safety valve cod.20199254.

(2) To be installed mandatory with cod.20196701.

(3) Suitable for 35-45 kW models.

(4) Suitable with the plate heat exchanger kit for stand alone boiler for the DHW production.

## POWER EVO-X

(5) Contains: thermometer, pressure gauge, safety valve, pressure switch and fuel shut-off valve.

(6) For Italian market: suitable only for 35 kW model.

(7) Kit required for rear wall concentric discharge for 55-70 kW models.

(8) Allows the management of: solar thermal and up to 3 direct/mixed independent zones.

### Accessories - cascade installation

CODE	DESCRIPTION
<b>HYDRAULIC ACCESSORIES</b>	
20197002	Ramps with shut-off
20197004	Ramps with shut-off - B2B <sup>(1)(2)</sup>
20197005	Ramps without shut-off <sup>(1)(2)</sup>
20197006	Ramps without shut-off - B2B <sup>(1)(2)</sup>
20197634	Gas ramp kit for cascade installation 35-45 kW <sup>(1)</sup>
20197635	Gas ramp kit for cascade installation 55-70 kW <sup>(1)</sup>
20197639	Gas ramp kit for cascade installation 35-45 kW - B2B <sup>(1)</sup>
20197640	Gas ramp kit for cascade installation 55-70 kW - B2B <sup>(1)</sup>
20197007	2" 1/2 manifolds for 2 boiler cascade
20197362	2" 1/2 manifolds for 1 boiler cascade
20197366	Flange 2" 1/2 PN6
20197367	Blind flanges 2" 1/2 PN6
20197364	Condensate discharge kit for cascade
20196449	Manifold kit for 2" 1/2 safety devices housing
20197642	2" 1/2 hydraulic separator kit
20196494	DN65/DN50 connection kit (HEATGATE DN50) <sup>(3)</sup>
20200611	Heat exchanger SP 35-DN50 21 (21) N <sup>(11)</sup>
20200613	Heat exchanger SP 35-DN50 27 (27) N <sup>(11)</sup>
20200614	Heat exchanger SP 35-DN50 33 (33) N <sup>(11)</sup>
20200615	Heat exchanger SP 35-DN50 41 (41) N <sup>(11)</sup>
20200616	Heat exchanger SP 35-DN50 49 (49) N <sup>(11)</sup>
20200618	Heat exchanger SP 35-DN50 53 (53) N <sup>(11)</sup>
20200619	Heat exchanger SP 35-DN50 61 (61) N <sup>(11)</sup>
<b>SAFETY ACCESSORIES</b>	
20071190	Safety devices kit <sup>(4)</sup>
20197368	Safety valve up to 400 kW (4,5 bar)
20009486	Fuel shut-off valve kit (VIC) - ØG.1" <sup>(7)(8)</sup>
20009482	Fuel shut-off valve kit (VIC) - ØG.1" ½ <sup>(5)(8)</sup>

## POWER EVO-X

CODE	DESCRIPTION
20009483	Fuel shut-off valve kit (VIC) - ØG.2" (6)(8)
<b>MECHANICAL ACCESSORIES</b>	
20197363	Manifolds and ramps cover for stand alone boiler
20120282	Ground fixing kit (SP 35-40 models) (9)
<b>FLUE DISCHARGE (*)</b>	
20129769	Vertical flue adapter kit from Ø60/100 to Ø80 (for type B23 installation)
20196315	Ø80/80 - Rainproof vertical adapter
20190475	Compact adjustable splitter kit from Ø60/100 mm to Ø80/80 mm
20196312	Adapter from Ø 80/125 mm to Ø80/80 mm
20129765	Fixed split system kit Ø80 mm
20197070	Adapter Ø80 to Ø110
20196319	Ø80/110 - Rainproof vertical adapter
20137506	90° Ø80 mm bend
20137538	Air-intake kit B23
20062338	Cascade terminal Ø160 with condensate drain
20197583	Collector Ø160 for 1 boiler
20197584	Collector Ø200 for 1 boiler
20132391	Adapter Ø160 to Ø200
20197582	Y-fitting Ø160/160
<b>ELECTRICAL ACCESSORIES</b>	
20200265	Cascade and zone remote control (10)

(1) To be ordered for each boiler of the cascade system (qty = no. boiler).

(2) Without gas ramp.

(3) To be ordered with the "Ground fixing kit (SP35-40 models) cod. 20120282.

(4) Safety and fuel-shut-off valve are not included.

(5) Recommended up to a maximum output of 131 kW, calculated taking into consideration the gas supply pressure = 20 mbar.

(6) Recommended up to a maximum output of 230 kW, calculated taking into consideration the gas supply pressure = 20 mbar.

(7) Recommended up to a maximum output of 580 kW, calculated taking into consideration the gas supply pressure = 20 mbar.

(8) Intervention temperature 97 °C - Capillary length 5 m.

(9) Allows the plate exchanger to be fixed to the structure contained in the cod.20196494.

(10) Allows the management of: solar thermal and up to 6 direct/mixed independent zones.

(11) Configurations with plate heat exchangers: see the product SP - Inspectable plate heat exchanger, section SYSTEM

## COMPLEMENTARY ITEMS.

(\*) Specific codes for the flue discharge/air intake in case of cascade installation.

NOTE: to calculate the maximum admissible output of the fuel shut-off valves, with supply pressures other than 20 mbar, contact the pre-sales service.  
For the flue gas system, refer to the current catalog.

**POWER EVO-X****Accessories to complete the system**

CODE	DESCRIPTION
<b>HYDRAULIC ACCESSORIES</b>	
20190221	1"1/2 MF shut-off cock
4031810	Condensate neutralizer N2 (up to 450 kW)
4031811	Condensate neutralizer HN2 (up to 280 kW) <sup>(1)</sup>
<b>MECHANICAL ACCESSORIES</b>	
20196701	Support frame <sup>(2)</sup>
20196699	Support frame rig <sup>(3)</sup>
<b>ELECTRICAL ACCESSORIES</b>	
20192808	Board BE09 with double multi-function relay
20132795	1st direct/mixed area control <sup>(4)</sup>
20132796	Control of 2nd and 3rd direct/mixed zone <sup>(4)</sup>
1220559	External probe
1220599	Immersion probe <sup>(5)</sup>
20168672	Solar thermal unit interface kit
<b>LPG TRANSFORMATION ACCESSORIES</b>	
20201490	LPG transformation kit (35/45 kW)
20201489	LPG transformation kit (55/70 kW)

(1) Equipped with extraction pumps.

(2) Frame required in case of either cascade installation or stand alone installation with plate heat exchanger.

(3) Necessary in case of back-to-back cascade configuration.

(4) In combination with cod.20193921 in stand alone installation or with cod.20199623 in cascade installation for the management of direct/mixed zones.

(5) Usable as: primary probe, secondary probe, cylinder probe.

COMBINATION OF PLATE EXCHANGERS, FOR BOILER OPERATION WITH PRIMARY  $\Delta T = 20^\circ \text{C}$ 

Description	Safety devices			Frame		Heat exchanger			
	Only safety valve		Safety devices						
						$\Delta T$ primary/secondary = $10^\circ \text{C}$ 		$\Delta T$ primary/secondary = $7,5^\circ \text{C}$ 	
	Hydraulic separator/plate heat exchanger connection	Safety valve 4,5 bar FF 3/4"x1"	Safety kit manifold	Support frame	Support frame rig	Brazed plate heat exchanger kit for stand alone boiler (20 plates)	Brazed plate heat exchanger kit for stand alone boiler (30 plates)	Brazed plate heat exchanger kit for stand alone boiler (20 plates)	Brazed plate heat exchanger kit for stand alone boiler (30 plates)
	20195886	20199254	20195883	20196701	20196699	20195888	20197360	20195888	20197360
POWER EVO-X 50 DEP	•	•	•	•	• (*)	•		•	
POWER EVO-X 50	•	•	•	•	• (*)	•		•	
POWER EVO-X 65	•	•	•	•	• (*)		•		•
POWER EVO-X 80	•	•	•	•	• (*)		•		•

(\*) To be used in cases where the frame kit is not bound to the wall.

## TABLE OF COMBINATION OF BOILER CASCADE COLLECTORS

MODEL	POWER EVO-X 50 DEP	POWER EVO-X 50	POWER EVO-X 65	POWER EVO-X 80
Boiler heat output kW	34,9	45	55	70
No. boilers	TOTAL CASCADE OUTPUT/DIAMETER H2O COLLECTORS			
2	70/ 2"1/2	90/ 2"1/2	110/ 2"1/2	140/ 2"1/2
3	105/ 2"1/2	135/ 2"1/2	165/ 2"1/2	210/ 2"1/2
4	140/ 2"1/2	180/ 2"1/2	220/ 2"1/2	280/ 2"1/2

## TABLE OF COMBINATION OF COLLECTOR CODES IN RELATION TO THE NUMBER OF BOILERS IN CASCADE, IN A FRONT CONFIGURATION

MODEL	POWER EVO-X 50 DEP	POWER EVO-X 50	POWER EVO-X 65	POWER EVO-X 80
Boiler heat output kW	34,9	45	55	70
No. boilers	SELECTION OF COLLECTOR CODES FOR FRONT CONFIGURATION			
2	1x 20197007	1x 20197007	1x 20197007	1x 20197007
3	1x 20197007 1x 20197362	1x 20197007 1x 20197362	1x 20197007 1x 20197362	1x 20197007 1x 20197362
4	2x 20197007	2x 20197007	2x 20197007	2x 20197007

## POWER EVO-X

**TABLE OF COMBINATION OF COLLECTOR CODES IN RELATION TO THE NUMBER OF BOILERS IN CASCADE, IN A BACK TO BACK CONFIGURATION**

MODEL	POWER EVO-X 50 DEP	POWER EVO-X 50	POWER EVO-X 65	POWER EVO-X 80
Boiler heat output kW	34,9	45	55	70
No. boilers	SELECTION OF COLLECTOR CODES FOR BACK TO BACK CONFIGURATION			
2	1x 20197362	1x 20197362	1x 20197362	1x 20197362
3	1x 20197007	1x 20197007	1x 20197007	1x 20197007
4	1x 20197007	1x 20197007	1x 20197007	1x 20197007

**TABLE FOR SELECTING THE FLUE GASES COLLECTORS DIAMETERS IN RELATION TO THE NUMBER OF BOILERS ON EACH COLLECTOR**

MODEL	POWER EVO-X 50 DEP	POWER EVO-X 50	POWER EVO-X 65	POWER EVO-X 80
Boiler heat output kW	34,9	45	55	70
No. boilers	FLUE COLLECTORS DIAMETER			
1a	Ø160	Ø160	Ø160	Ø160
2a	Ø160	Ø160	Ø160	Ø160
3a	Ø160	Ø160	Ø160	Ø160
4a	Ø160	Ø160	Ø160	Ø200

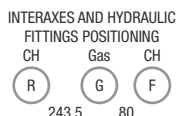
**TABLE OF COMBINATION OF BOILER CASCADE COLLECTORS, IN A FRONT CONFIGURATION**

MODEL	POWER EVO-X 50 DEP	POWER EVO-X 50	POWER EVO-X 65	POWER EVO-X 80
Boiler heat output kW	34,9	45	55	70
No. boilers	SELECTION OF FLUE GASES COLLECTOR CODES FOR FRONT CONFIGURATIONS			
2	2x 20129765 4x 20137506 2x 20137538 2x 20197070 1x 20062338 2x 20197583	2x 20129765 4x 20137506 2x 20137538 2x 20197070 1x 20062338 2x 20197583	2x 20196319 1x 20062338 2x 20197583	2x 20196319 1x 20062338 2x 20197583
3	3x 20129765 6x 20137506 3x 20137538 3x 20197070 1x 20062338 3x 20197583	3x 20129765 6x 20137506 3x 20137538 3x 20197070 1x 20062338 3x 20197583	3x 20196319 1x 20062338 3x 20197583	3x 20196319 1x 20062338 3x 20197583
4	4x 20129765 8x 20137506 4x 20137538 4x 20197070 1x 20062338 4x 20197583	4x 20129765 8x 20137506 4x 20137538 4x 20197070 1x 20062338 4x 20197583	4x 20196319 1x 20062338 4x 20197583	4x 20196319 1x 20062338 1x 20132391 3x 20197583 1x 20197584

## POWER EVO-X

TABLE OF COMBINATION OF BOILER CASCADE COLLECTORS, IN A BACK TO BACK CONFIGURATION

MODEL	POWER EVO-X 50 DEP	POWER EVO-X 50	POWER EVO-X 65	POWER EVO-X 80
Boiler heat output kW	34,9	45	55	70
No. boilers	SELECTION OF FLUE GASES COLLECTOR CODES FOR BACK TO BACK CONFIGURATIONS			
2	2x 20129765	2x 20129765		
	4x 20137506	4x 20137506		
	2x 20137538	2x 20137538	2x 20196319	2x 20196319
	2x 20197070	2x 20197070	2x 20062338	2x 20062338
	2x 20062338	2x 20062338	1x 20197582	1x 20197582
	1x 20197582	1x 20197582	2x 20197583	2x 20197583
	2x 20197583	2x 20197583		
3	3x 20129765	3x 20129765		
	6x 20137506	6x 20137506		
	3x 20137538	3x 20137538	3x 20196319	3x 20196319
	3x 20197070	3x 20197070	2x 20062338	2x 20062338
	2x 20062338	2x 20062338	1x 20197582	1x 20197582
	1x 20197582	1x 20197582	3x 20197583	3x 20197583
	3x 20197583	3x 20197583		
4	4x 20129765	4x 20129765		
	8x 20137506	8x 20137506		
	4x 20137538	4x 20137538	4x 20196319	4x 20196319
	4x 20197070	4x 20197070	2x 20062338	2x 20062338
	2x 20062338	2x 20062338	1x 20197582	1x 20197582
	1x 20197582	1x 20197582	4x 20197583	4x 20197583
	4x 20197583	4x 20197583		



- **New condensing high power boiler range that can be installed both as stand-alone or as cascade configuration.**
- New condensing heat exchanger in stainless steel.
- **Low NOx: Class 6** According to European Directive UNI EN 15502.
- **Thanks to embedded 'Managing/Depending' control logic, any boiler can be configured either as the 'Managing' or as a 'Depending' boiler within the cascade (same product code).**
- **Possibility to cascade up to 1120 kW.**
- Built-in thermoregulation with external probe supplied as option.
- Modulating and modular power regulation.
- Automatic burner ignition sequence reversal (at adjustable steps).
- Simultaneous control of two different circuits: DHW tank and high temperature.
- **Management of up to 16 zones through an optional kit.**
- Automatic summer/winter switch-over.
- 'Anti-legionella' function as standard.
- Suitable for remote control management (0-10V input or Modbus) via optional kit.
- **Availability of a wide range of accessories for complete configurations.**
- Can be converted to LPG through LPG kit supplied as standard.

**B3 type pre-mixed condensing boiler**

CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	FLUE GAS (Ø mm)	OUTPUT NCV* (GCV)** min-max (kW)	CLASS 
20128431 20151859 20151867 20151885 20151893 20192132	IT / EN FR PT PL / RO SK / CZ / GR / SI / CR HU	POWER MAX 65	1000 x 600 x 435	80	14.0 - 57.0 (63.0)	
20128432 20151860 20151870 20151886 20151894 20192133	IT / EN FR PT PL / RO SK / CZ / GR / SI / CR HU	POWER MAX 80 P	1000 x 600 x 435	80	14.0 - 68.0 (76.0)	
20128433 20151861 20151872 20151887 20151895 20192134	IT / EN FR PT PL / RO SK / CZ / GR / SI / CR HU	POWER MAX 100	1000 x 600 x 435	110	19.4 - 90.0 (100.0)	-

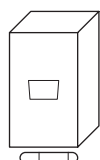
## POWER MAX - THE RANGE

### B3 type pre-mixed condensing boiler

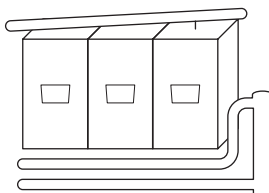


CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	FLUE GAS (Ø mm)	OUTPUT NCV* (GCV)** min-max (kW)	CLASS 
20128434 20151862 20151874 20151888 20151896 20192135	IT / EN FR PT PL / RO SK / CZ / GR / SI / CR HU	POWER MAX 110	1000 x 600 x 435	110	19.4 - 97.0 (108.0)	-
20128435 20151863 20151880 20151889 20151897 20192136	IT / EN FR PT PL / RO SK / CZ / GR / SI / CR HU	POWER MAX 130	1170 x 600 x 435	110	22.4 - 112.0 (124.0)	-
20128436 20151864 20151881 20151890 20151898 20192137	IT / EN FR PT PL / RO SK / CZ / GR / SI / CR HU	POWER MAX 150	1170 x 600 x 435	110	26.2 - 131.0 (146.0)	-

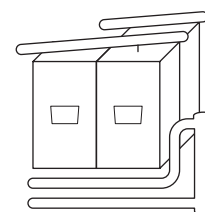
(\*) NCV = Net Calorific Value or Lower Calorific Value (LCV) - (\*\*) GCV = Gross Calorific Value or Higher Calorific Value (HCV)



6  
STAND-ALONE  
configurations



52  
FRONT CASCADE  
configurations



52  
BACK-TO-BACK CASCADE  
configurations

Power MAX range consists of **6 MODELS**, that can be installed either as stand-alone or in cascade configuration (front and back to back), totalling **110 configurations** in all.

**ATTENTION: every model is available under different codes, according to the documentation language/s of the instruction manual supplied with the product.**

Please select the right code of your model according to the documentation language you need:

- IT / EN (Italian / English)
- FR (French)
- PT (Portuguese)
- PL / RO (Polish / Romanian)
- SK / CZ / GR / SI / CR (Slovak / Czech / Greek / Slovenian / Croatian)
- HU (Hungarian)

## POWER MAX - STAND ALONE APPLICATION

### A - CONFIGURATION GUIDE FOR STAND ALONE APPLICATION AND ACCESSORIES SELECTION

For the selection of the components of the stand alone configuration, please follow the flow chart below and refer to the relevant tables in the following pages.



#### 1. STAND ALONE BOILER CONFIGURATION

#### 2. ACCESSORIES TO COMPLETE THE SYSTEM

#### 3. OPTIONAL ACCESSORIES

3.1 Shunt pumps

3.2 Additional safety devices

3.3 Hydraulic separator or plate heat exchanger\*

3.4 Secondary circuit management

3.5 Sealed chamber conversion kit

3.6 Flue system

3.7 Remote control

3.8 Treatment systems for condensate neutralization

(\*) Configurations with plate heat exchangers: see the product SP - Inspectable plate heat exchanger, section SYSTEM COMPLEMENTARY ITEMS.

### 1. Stand alone boiler configuration

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131

### 2. Accessories to complete the system

CODE	DESCRIPTION
20132778	External probe
20133102	Condensate drain trap kit for stand alone boiler <sup>(1)</sup>

<sup>(1)</sup> Mandatory on all models.

## POWER MAX - SINGLE APPLICATION - SELECTION OF COMPONENTS

### 3. Optional accessories

#### 3.1 Shunt pumps (only for 100÷150 kW)

CODE	DESCRIPTION
20125034	Injection pump kit POWER MAX 100 - 110 - 130 (115 Hi) <sup>(1) (2)</sup>
20125035	Injection pump kit POWER MAX 130 <sup>(1) (3)</sup>
20125040	High head injection pump kit POWER MAX 150 <sup>(1) (4)</sup>

<sup>(1)</sup> For POWER MAX 65 P - 80 P models the pump is already present in the boiler

<sup>(2)</sup> The pump, which can be housed in the boiler, offers a high residual head on POWER MAX 100 and 110, and with these boilers it is also suitable in combination with the plate exchanger; if the pump is used with POWER MAX 130 (115 Hi) it allows the combination with the hydraulic separator but not with the plate exchanger

<sup>(3)</sup> If combined with POWER MAX 150, this circulation pump can be fitted inside the boiler and offers a very low residual head (10 mbar); it must be used ONLY in combination with the horizontal hydraulic separator code: 20131897

<sup>(4)</sup> This circulation pump cannot be fitted inside the boiler, it must be installed under the boiler

#### 3.2 Additional safety devices

CODE	DESCRIPTION
20142219	SA installation kit for stand-alone boiler <sup>(1) (2)</sup>
20131898	Manifold kit with safety devices (INAIL) for stand alone boiler <sup>(3)</sup>
20189780	Manifold kit with safety devices for stand alone boiler <sup>(4) (5)</sup>
20143981	Safety valve 5.4 bar ØG. ¾" FF
20131899	Kit with connection pipe to hydraulic separator for stand alone boiler
20190221	Shut-off cock

<sup>(1)</sup> This kit is necessary for the stand-alone installation. It contains: connection pipe kit (1x code 20131899), hydraulic separator kit for stand alone boiler (1x code 20131897), condensate drain syphone (1x code 20133102), safety valve 5.4 bar (1x code 20143981) and 2 ball valves.

<sup>(2)</sup> Condensate drain syphone (code 20133102) is not included in the boilers.

<sup>(3)</sup> Includes all the safety devices, including safety valve and VIC mandatory for the Italian market.

<sup>(4)</sup> Includes pressure gauge, thermometer and 3 bar safety valve (¾" FF). Coupled with the under boiler cover kits (20145587 or 20133224) it allows the display of temperature and pressure values.

<sup>(5)</sup> If an operating pressure > 3 bar is required, it can be combined with the safety valve code 20143981.

## POWER MAX - SINGLE APPLICATION - SELECTION OF COMPONENTS

### 3.3 Hydraulic separator or plate heat exchanger

CODE	DESCRIPTION
20131897	Horizontal hydraulic separator kit for stand alone boiler
20133224	Cover for safety kit/hydraulic separator unit for stand alone boiler
20125037	2/3 way valve kit <sup>(1)</sup>
20131663	Frame kit for front cascades <sup>(2)</sup>
20131664	Frame conversion kit for B2B cascades <sup>(2)</sup>
20132368	Brazed plate heat exchanger kit for stand alone boiler (20 plates) <sup>(3)</sup>
20132369	Brazed plate heat exchanger kit for stand alone boiler (30 plates) <sup>(3)</sup>
20132370	Brazed plate heat exchanger kit for stand alone boiler (40 plates) <sup>(3)</sup>
20132371	Brazed plate heat exchanger kit for stand alone boiler (50 plates) <sup>(3)</sup>
20132372	Brazed plate heat exchanger kit for stand alone boiler (60 plates) <sup>(3)</sup>
20136823	Delivery/return line fittings kit for direct installation <sup>(4)</sup>
20145587	Cover for plate heat exchanger










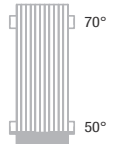
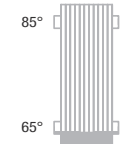
<sup>(1)</sup> The two-way valve kit combined with the plate exchanger kit codes for stand alone boiler (except code 20132368) allows the direct production of DHW.

<sup>(2)</sup> The frame is necessary in case of installation with plate exchanger; if the frame kit is not fixed to the wall, it is necessary to buy also the kit for the use of the front and back frame code 20131664.

<sup>(3)</sup> It includes the plate exchanger and the connection trains; the plate exchanger always requires the frame kit code 20131663 and a pump with high residual head, therefore on boilers Power Max 130 and Power Max 150 it is necessary to use the high head circulating pump

<sup>(4)</sup> Kit compatible with all POWER MAX models in case of presence of kit and without the need of hydraulic separator

### PUMP AND PLATE HEAT EXCHANGER COMBINATIONS FOR BOILER OPERATION WITH PRIMARY $\Delta T = 20^{\circ}\text{C}$

Commercial name	Safety devices			INAIL	Frame		Pumps			Plate heat exchangers							
										<div>Primary/secondary <math>\Delta T = 10^{\circ}\text{C}</math></div> 				<div>Primary/secondary <math>\Delta T = 7.2^{\circ}\text{C}</math></div> 			
	Kit with connection pipe to hydraulic separator for stand alone boiler	Safety valve 5.4 bar ØG.¾" FF	Manifold kit with safety devices for stand alone boiler	Manifold kit with INAIL safety devices for stand alone boiler	Frame kit for front cascades	Frame conversion kit for B2B cascades	Injection pump kit POWER MAX 100 - 110 - 130 (115 Hi)	Injection pump kit POWER MAX 130	High head injection pump kit POWER MAX 150	Brazed plate heat exchanger kit for stand alone boiler (20 plates)	Brazed plate heat exchanger kit for stand alone boiler (30 plates)	Brazed plate heat exchanger kit for stand alone boiler (40 plates)	Brazed plate heat exchanger kit for stand alone boiler (60 plates)	Brazed plate heat exchanger kit for stand alone boiler (30 plates)	Brazed plate heat exchanger kit for stand alone boiler (40 plates)	Brazed plate heat exchanger kit for stand alone boiler (50 plates)	Brazed plate heat exchanger kit for stand alone boiler (60 plates)
	20131899	20143981	20189780	20131898	20131663	20131664	20125034	20125035	20125040	20132368	20132369	20132370	20132372	20132369	20132370	20132371	20132372
POWER MAX 65 P	●	●	●	●	●	● (*)	●			●				●			
POWER MAX 80 P	●	●	●	●	●	● (*)	●			●				●			
POWER MAX 100	●	●	●	●	●	● (*)	●				●				●		
POWER MAX 110	●	●	●	●	●	● (*)	●				●				●		
POWER MAX 130 (115 Hi)	●	●	●	●	●	● (*)		●				●				●	
POWER MAX 150	●	●	●	●	●	● (*)			●				●				●

(\*) To be used when the frame kit is not held on the wall.

## POWER MAX - SINGLE APPLICATION - SELECTION OF COMPONENTS

### 3.4 Secondary circuit management

CODE	DESCRIPTION
1220599	Secondary circuit/heater probe <sup>(1)</sup>
20130811	Electronic kit for management of single direct or additional mixed zone (max 16) <sup>(2)</sup>

Note: for adjusting the ambient temperature use thermostats and chronothermostats.

<sup>(1)</sup> Probe necessary for the boiler or to control the secondary circuit, with temperature alignment with the one set for the primary circuit.

<sup>(2)</sup> The kit includes the necessary probe for the mixed zone.

### 3.5 Sealed chamber conversion kit

CODE	DESCRIPTION
20131665	Type C conversion kit for POWER MAX 65 P - 80 P
20131668	Type C conversion kit for POWER MAX 100 - 110 - 130 (115 Hi) - 150

### 3.6 Flue system

#### Accessories of flue gas exhaust Ø 80 mm for POWER MAX 65 P - 80 P

CODE	DESCRIPTION
20131270	Spacer kit for wall mounting <sup>(1)</sup>

<sup>(1)</sup> Kit necessary for wall rear concentric exhaust.

Note: for each type, check the maximum equivalent lengths by referring to the technical data sheet and/or by contacting the pre-sales service.

For flue gas exhaust system refer to page 232.

### 3.7 Remote control

CODE	DESCRIPTION
20132366	POWER MAX remote control kit <sup>(1)</sup>

<sup>(1)</sup> Necessary for hourly programming of the heater and for programming of zones (also those managed by the additional zone kits)

### 3.8 Treatment systems for condensate neutralization

CODE	DESCRIPTION
4031811	Neutralization kit HN2 up to 270 kW <sup>(1)</sup> <sup>(2)</sup>
4031810	Neutralization kit N2 up to 450 kW <sup>(1)</sup>

<sup>(1)</sup> Delivery time of the material if not available in stock: up to 30 working days from order validation date.

<sup>(2)</sup> With condensate booster pump

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### B - GUIDE TO SYSTEM CONFIGURATION WITH CASCADE BOILERS AND SELECTION OF ACCESSORIES

For selection of components for cascade configuration, follow the flowchart going to the corresponding tables



1. BOILERS CASCADE CONFIGURATION

2. SELECTION OF THE LAYOUT FRONT OR BACK-TO-BACK

3. ACCESSORIES TO COMPLETE THE SYSTEM

4. ACCESSORIES

4.1 Support frame

4.2 Shunt pumps

4.3 Connection pipes

4.4 Water collectors (delivery/return) -gas-condensate

4.5 Additional safety devices

4.6 Hydraulic separator or plate heat exchanger\*

4.7 Secondary circuit management

4.8 Sealed chamber conversion kit

4.9 Flue gas exhaust systems

4.10 Remote control

4.11 Treatment systems for condensate neutralization

(\*) Configurations with plate heat exchangers: see the product SP - Inspectable plate heat exchanger, section SYSTEM COMPLEMENTARY ITEMS.

## POWER MAX - CASCADE APPLICATION . CONFIGURATIONS

### 1. Boiler cascade configuration

Output obtainable with cascade system installation.

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	Total cascade heat input (Hi)					
2	114	136	180	194	224	262
3	171	204	270	291	336	393
4	228	272	360	388	448	524
5	285	340	450	485	560	655
6	342	408	540	582	672	786
7	399	476	630	679	784	917
8	456	544	720	776	896	1048
9	513	612	810	873	1008	NA
10	570	680	900	970	1120	NA

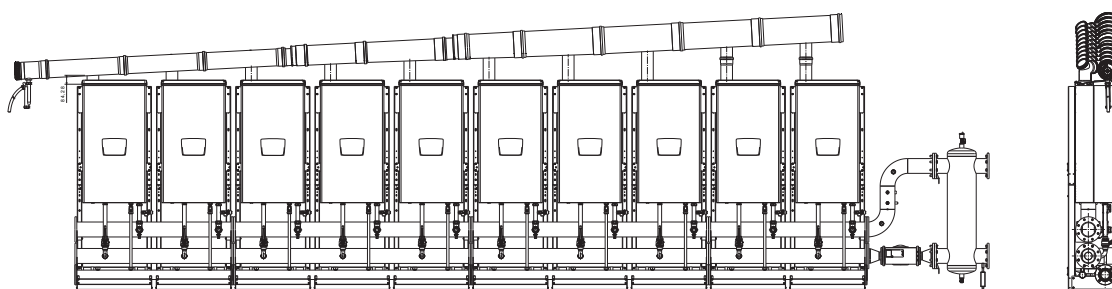
Colour key

	Solution with the lowest number of boilers
	Solution that provides, for the same output, a greater number of boilers and therefore a greater modulation ratio
	Solution that provides the maximum modulation ratio for the same output
NA	Solution not available

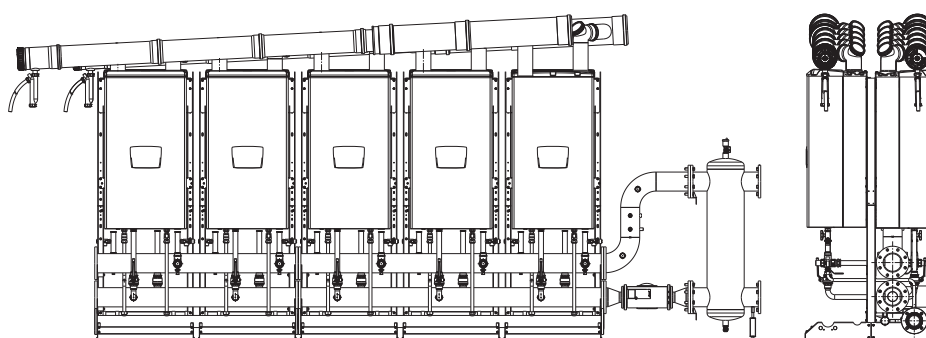
It is not allowed to use different outputs for cascade applications

### 2. Selection of the layout FRONT or BACK-TO-BACK

#### 3.1 FRONT



#### 3.2 BACK-TO-BACK (A)



(A) To connect to a single chimney, use Y connections, choosing them from section "Cascade application - Flue"

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 3. Accessories to complete the system

CODE	DESCRIPTION
20132778	External probe <sup>(1)</sup>
20175716	Primary circuit probe <sup>(1)</sup>
20131267	Condensate drain trap kit for cascade boiler <sup>(2)</sup>
20151288	Set of manuals for the POWER MAX CASCADE (FR)
20151290	Set of manuals for the POWER MAX CASCADE (PT)
20151289	Set of manuals for the POWER MAX CASCADE (PL - HU - RO)
20151952	Set of manuals for the POWER MAX CASCADE (SK - CZ - GR - SI - CR)

<sup>(1)</sup> No.1 pc. for each cascade system, to be connected to the main boiler, i.e. the one that controls the cascade system

<sup>(2)</sup> To be ordered for each boiler of the cascade system (qty = no. of boilers)

Select the correct code according to the language of the documentation required:

- FR (French)
- PT (Portuguese)
- PL / HU / RO (Polish / Hungarian / Romanian)
- SK / CZ / GR / SI / CR (Slovak / Czech / Greek / Slovenian / Croatian)

## POWER MAX - CASCADE APPLICATION . CONFIGURATIONS

### 4. Accessories

#### 4.1 Support frame

##### FRONT CONFIGURATION

CODE	DESCRIPTION
20131663	Frame kit for FRONT cascades
20131664	Frame conversion kit for BACK-TO-BACK cascades

FRONT		BACK-TO-BACK		
No. of boilers	Q.ty of frames	No. of boilers	Q.ty of frames code 20131663	Q.ty of conversion kits code 20131664
2	2	2	1	1
3	3	3	2	2
4	4	4	2	2
5	5	5	3	3
6	6	6	3	3
7	7	7	4	4
8	8	8	4	4
9	9	9	5	5
10	10	10	5	5

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 4.2 Shunt pumps (only for 100÷150 kW)

CODE	DESCRIPTION
20125034	Injection pump kit POWER MAX 100 - 110 - 130 (115 Hi) <sup>(1)</sup>
20125035	Injection pump kit POWER MAX 130
20125040	High head injection pump kit POWER MAX 150 <sup>(2)</sup>

<sup>(1)</sup> To be ordered for each boiler of the cascade system (qty = no. of boilers); pump to be installed inside the boiler

<sup>(2)</sup> To be ordered for each boiler of the cascade system (qty = no. of boilers); pump to be installed outside the boiler

### 4.3 Connection pipes

FRONT CONFIGURATION	
CODE	DESCRIPTION
20130658	Trains without shut-off for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <sup>(1)</sup>
20131124	Trains with shut-off for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <sup>(1)</sup>
20131121	Trains without shut-off for POWER MAX 150 (external pump) <sup>(2)</sup>
20131125	Trains with shut-off for POWER MAX 150 (external pump) <sup>(2)</sup>

<sup>(1)</sup> To be ordered for each boiler of the cascade system (qty = no. of boilers) with pump installed inside the boiler

<sup>(2)</sup> To be ordered for each boiler of the cascade system (qty = no. of boilers) with pump installed outside the boiler

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### BACK-TO-BACK CONFIGURATION

CODE	DESCRIPTION
20130658	Trains without shut-off for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <sup>(3)</sup>
20131124	Trains with shut-off for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <sup>(3)</sup>
20131121	Trains without shut-off for POWER MAX 150 (external pump) <sup>(4)</sup>
20131125	Trains with shut-off for POWER MAX 150 (external pump) <sup>(4)</sup>
20131787	Trains without shut-off for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <b>BACK-TO-BACK</b> <sup>(5)</sup>
20131791	Trains with shut-off for POWER MAX 65 P - 80 P - 100 - 110 - 130 (115 Hi) - 150 <b>BACK-TO-BACK</b> <sup>(5)</sup>
20131788	Trains without shut-off for POWER MAX 150 (external pump) <b>BACK-TO-BACK</b> <sup>(6)</sup>
20131792	Trains with shut-off for POWER MAX 150 (external pump) <b>BACK-TO-BACK</b> <sup>(6)</sup>

<sup>(3)</sup> To be ordered for each collector side boiler with pump installed inside the boiler

<sup>(4)</sup> To be ordered for each collector side boiler with pump installed outside the boiler

<sup>(5)</sup> To be ordered for each boiler opposite to the collectors with pump installed inside the boiler

<sup>(6)</sup> To be ordered for each boiler opposite to the collectors with pump installed outside the boiler

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 4.4 Water collectors (delivery/return) -gas-condensate

CODE	DESCRIPTION
20133220	Kit of 3" flanged DN80 + threaded GAS 2" hydraulic collectors - for 1 frame <sup>(1)</sup>
20130220	Kit of 3" flanged DN80 + threaded GAS 2" hydraulic collectors - for 2 frames (up to 485 kW) <sup>(2)</sup>
20130221	Kit of 3" flanged DN80 + threaded GAS 2" hydraulic collectors - for 3 frames (up to 485 kW) <sup>(2)</sup>
20130222	Kit of 5" flanged DN125 + flanged 3" flanged DN80 3" hydraulic collectors - for 2 frames (above 485 kW) <sup>(3)</sup>
20130223	Kit of 5" flanged DN125 + flanged 3" flanged DN80 3" hydraulic collectors - for 3 frames (above 485 kW) <sup>(3)</sup>
20132377	Collector and train cover kit - for single POWER MAX in cascade
20070903	Closing 3" cap kit <sup>(4)</sup>
20082190	Through 3" flange kit
20070907	Closing 5" cap kit <sup>(4)</sup>
20082191	Through 5" flange kit

<sup>(1)</sup> To be used only for BACK-TO-BACK configuration with no.2 boilers; it includes DN80 3" flanged delivery and return collectors, 2" threaded gas collector, condensate drain collector

<sup>(2)</sup> To be used with maximum output up to 485 kW. It includes DN80 3" flanged delivery and return collectors, 2" threaded gas collector, condensate drain collector

<sup>(3)</sup> To be used with maximum output over 485 kW. It includes DN 125 5" flanged delivery and return collectors, DN80 3" flanged gas collector, condensate drain collector

<sup>(4)</sup> They allow the closure, on one side, of the gas collector and the two hydraulic collectors

#### Combination table for cascade boiler heat input collectors

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	TOTAL CASCADE HEAT INPUT (kW) / DIAMETER OF HYDRAULIC COLLECTORS (inches)					
2	114/3"	136/3"	180/3"	194/3"	224/3"	262/3"
3	171/3"	204/3"	270/3"	291/3"	336/3"	393/3"
4	228/3"	272/3"	360/3"	388/3"	448/3"	524/5"
5	285/3"	340/3"	450/3"	485/3"	560/5"	655/5"
6	342/3"	408/3"	540/5"	582/5"	672/5"	786/5"
7	399/3"	476/3"	630/5"	679/5"	784/5"	917/5"
8	456/3"	544/5"	720/5"	776/5"	896/5"	1048/5"
9	513/5"	612/5"	810/5"	873/5"	1008/5"	-
10	570/5"	680/5"	970/5"	970/5"	1120/5"	-

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

**Collector code selection table according to the number of boilers in cascade, FRONT configuration:**

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	Hydraulic collector code selection for FRONT configurations					
2	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220
3	1 x 20130221	1 x 20130221	1 x 20130221	1 x 20130221	1 x 20130221	1 x 20130221
4	2 x 20130220	2 x 20130220	2 x 20130220	2 x 20130220	2 x 20130220	2 x 20130222
5	1 x 20130220 1 x 20130221	1 x 20130220 1 x 20130221	1 x 20130220 1 x 20130221	1 x 20130220 1 x 20130221	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223
6	2 x 20130221	2 x 20130221	2 x 20130223	2 x 20130223	2 x 20130223	2 x 20130223
7	2 x 20130220 1 x 20130221	2 x 20130220 1 x 20130221	2 x 20130222 1 x 20130223	2 x 20130222 1 x 20130223	2 x 20130222 1 x 20130223	2 x 20130222 1 x 20130223
8	1 x 20130220 2 x 20130221	1 x 20130222 2 x 20130223	1 x 20130222 2 x 20130223	1 x 20130222 2 x 20130223	1 x 20130222 2 x 20130223	1 x 20130222 2 x 20130223
9	3 x 20130223	3 x 20130223	3 x 20130223	3 x 20130223	3 x 20130223	-
10	2 x 20130222 2 x 20130223	2 x 20130222 2 x 20130223	2 x 20130222 2 x 20130223	2 x 20130222 2 x 20130223	2 x 20130222 2 x 20130223	-

**Collector code selection table according to the number of boilers in cascade, BACK-TO-BACK configuration**

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	Hydraulic collector code selection for BACK-TO-BACK configurations					
2	1 x 20133220	1 x 20133220	1 x 20133220	1 x 20133220	1 x 20133220	1 x 20133220
3	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220
4	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130220	1 x 20130222
5	1 x 20130221	1 x 20130221	1 x 20130221	1 x 20130221	1 x 20130223	1 x 20130223
6	1 x 20130221	1 x 20130221	1 x 20130223	1 x 20130223	1 x 20130223	1 x 20130223
7	2 x 20130220	2 x 20130220	2 x 20130222	2 x 20130222	2 x 20130222	2 x 20130222
8	2 x 20130220	2 x 20130222	2 x 20130222	2 x 20130222	2 x 20130222	2 x 20130222
9	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	-
10	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	1 x 20130222 1 x 20130223	-

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 4.5 Additional safety devices

CODE	DESCRIPTION
20070910	Manifold kit for 3" safety devices housing <sup>(1)</sup>
20070912	Manifold kit for 5" safety devices housing <sup>(1)</sup>
20071190	Safety devices kit
20023104	Safety valve up to 460 kW (5,4 bar ØG.¾" F)
20023106	Safety valve up to 580 kW (5,4 bar ØG.1" F)
20009486	Fuel shut-off valve - Ø G.1" - TS=97°C - Capillary L=5 m <sup>(2)</sup>
20009482	Fuel shut-off valve - Ø G.1" 1/2 - TS=97°C - Capillary L=5 m <sup>(3)</sup>
20009483	Fuel shut-off valve - Ø G.2" - TS=97°C - Capillary L=5 m <sup>(4)</sup>
20061640	Fuel shut-off valve - Ø G.3" - TS=97°C - Capillary L=5 m <sup>(5)</sup>
20161191	Flanged 3" DN80 PN6/flanged ØG.3" DN80 PN16 adapter kit for VIC valve <sup>(6)</sup>

<sup>(1)</sup> Intended for use in cascade systems without primary circuit circulating pump

<sup>(2)</sup> Recommended up to maximum heat input of 131 kW, calculated considering gas supply pressure = 20 mbar

<sup>(3)</sup> Recommended up to maximum heat input of 230 kW, calculated considering gas supply pressure = 20 mbar

<sup>(4)</sup> Recommended up to maximum heat input of 580 kW, calculated considering gas supply pressure = 20 mbar

<sup>(5)</sup> Recommended up to maximum heat input of 1150 kW, calculated considering gas supply pressure = 20 mbar

<sup>(6)</sup> To be installed in combination with Fuel shut-off valve - Ø G.3" - TS=97°C - Capillary L=5 m code 20061640

Note: Calculation of the maximum permissible output of VICs with supply pressure of 20 mbar

#### Safety valve selection table:

Total cascade heat input (kW)	0 ÷ 460	461 ÷ 580	581 ÷ 920	921 ÷ 1160
(No.) Diameter of safety valve	1 x ¾"	1 x 1"	2 x ¾"	2 x 1"
	1x code 20023104	1x code 20023106	2x code 20023104	2x code 20023106

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 4.6. Hydraulic separator or plate heat exchanger

CODE	DESCRIPTION
20009467	Hydraulic 5" separator kit - up to 485 kW (3" connections) <sup>(1)</sup>
20069073	Hydraulic 10" separator kit - up to 580 kW (5" connections) <sup>(2)</sup>
20069074	Hydraulic 10" separator kit - up to 1120 kW (5" connections) <sup>(3)</sup>
20132373	Connection kit for plate exchanger (DN80 on 3" collector side /DN50 on plate exchanger side) <sup>(4)</sup>
20203733	Connection kit for plate exchanger (DN125 on 5" collector side /DN65 on plate exchanger side) <sup>(4)</sup>
20132376	Connection kit for plate exchanger (DN125 on 5" collector side /DN100 on plate exchanger side) <sup>(5)</sup>
20120282	Ground fixing kit (SP 35-40 models)
20120284	Ground fixing kit (SP 60 models)

<sup>(1)</sup> To be used with maximum output up to 485 kW in combination with 3" collectors

<sup>(2)</sup> To be used with maximum output above 485 and up to 580 kW in combination with 5" collectors

<sup>(3)</sup> To be used with maximum output above 580 kW and up to 1120 kW in combination with 5" collectors

<sup>(4)</sup> To be mandatory ordered with "Ground fixing kit SP 35-40" code 20120282

<sup>(5)</sup> To be mandatory ordered with "Ground fixing kit SP 60" code 20120284

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 4.7 Secondary circuit management

CODE	DESCRIPTION
1220599	Secondary circuit/heater probe <sup>(1)</sup>
20130811	Electronic kit for management of single direct or additional mixed zone (max 16) <sup>(2)</sup>

<sup>(1)</sup> Probe necessary for the heater or to control the secondary circuit, with temperature alignment with the one set for the primary circuit; probe also necessary to manage the additional mixed zones if secondary boilers (\*) are used to control these zones

<sup>(2)</sup> Kit required if the number of direct or mixed heating zones is higher than the number of secondary boilers (\*); the kit includes probe code 1220599 required for mixed zone

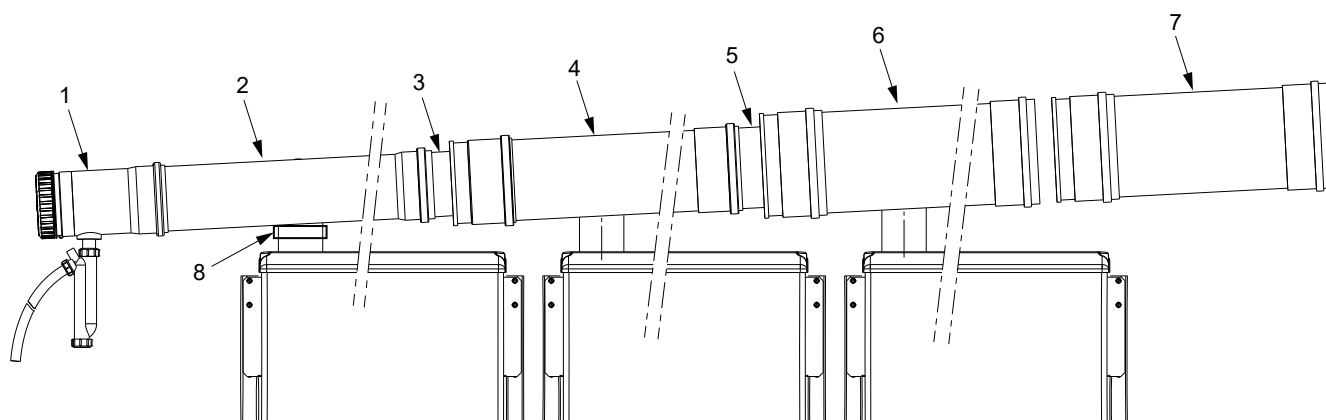
<sup>(\*)</sup> All boilers in cascade are considered secondary boilers except one: the one intended to manage the cascade.

Note: for adjusting the ambient temperature use thermostats and chronothermostats.

### 4.8 Sealed chamber conversion kit (type C)

CODE	DESCRIPTION
20131665	Type C conversion kit for POWER MAX 65 P - 80 P
20131668	Type C conversion kit for POWER MAX 100 - 110 - 130 (115 Hi) - 150

### 4.9 Flue gas exhaust systems



- 1 Code 20062338 Cascade terminal  $\varnothing$ 160 with condensate drainage
- 2 Code 20131266 Manifold  $\varnothing$ 160 for 1 boiler
- 3 Code 20132391 Eccentric adapter  $\varnothing$ 160/200
- 4 Code 20131901 Manifold  $\varnothing$ 200 for 1 boiler
- 5 Code 20132393 Eccentric adapter  $\varnothing$ 200/250
- 6 Code 20131903 Manifold  $\varnothing$ 250 for 1 boiler

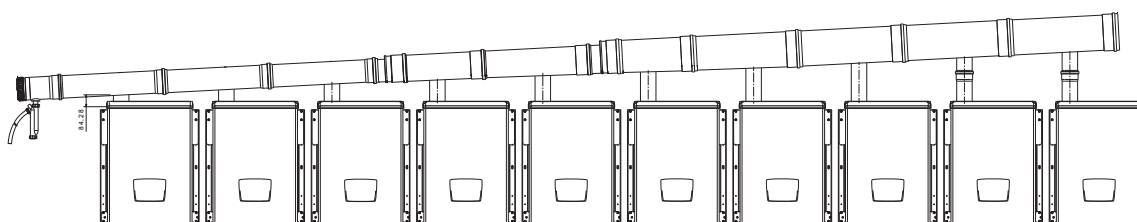
- 7 For BACK-TO-BACK layout only  
Code 20132381 - Y fitting  $\varnothing$ 160/160  
Code 20132384 - Y fitting  $\varnothing$ 160/200  
Code 20132385 - Y fitting  $\varnothing$ 160/250  
Code 20132386 - Y fitting  $\varnothing$ 200/250
- 8 Code 20131238 Adapter  $\varnothing$ 80/110 (for models 65-80 only)

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

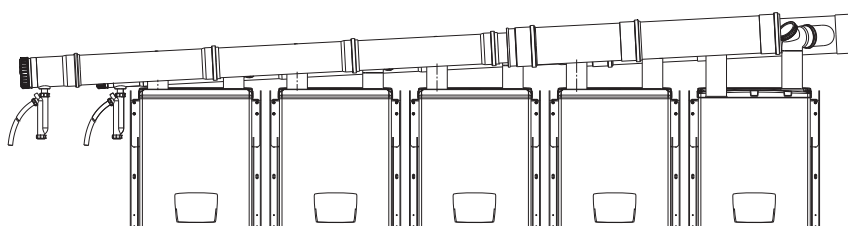
### Flue gas exhaust collectors Ø 160/200/250 mm for all POWER MAX models

CODE	DESCRIPTION
20062338	Cascade terminal Ø160 with condensate drain
20131266	Collector Ø160 for 1 boiler
20132391	Eccentric adapter Ø160 / Ø200
20131901	Collector Ø200 for 1 boiler
20132393	Eccentric adapter Ø200 / Ø250
20131903	Collector Ø250 for 1 boiler
20132381	Y connector Ø160 / Ø160 (use only for FRONT - REAR configuration)
20132384	Y connector Ø160 / Ø200 (use only for FRONT - REAR configuration)
20132385	Y connector Ø160 / Ø250 (use only for FRONT - REAR configuration)
20132386	Y connector Ø200 / Ø250 (use only for FRONT - REAR configuration)

### FRONT configuration - Max 10 boilers



### BACK-TO-BACK configuration - Max 5 + 5 boilers



Note: the BACK-TO-BACK configuration has separate lines for each row of boilers, collector side and opposite side.

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

**Combination table for flue gas collector diameters according to the no. of boilers on a single collector**

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	DIAMETERS OF FLUE GAS/AIR COLLECTORS					
1	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
2	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
3	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
4	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 200
5	Ø 160	Ø 160	Ø 200	Ø 200	Ø 200	Ø 200
6	Ø 160	Ø 160	Ø 200	Ø 200	Ø 200	Ø 250
7	Ø 160	Ø 200	Ø 200	Ø 200	Ø 250	Ø 250
8	Ø 200	Ø 200	Ø 250	Ø 250	Ø 250	Ø 250
9	Ø 200	Ø 200	Ø 250	Ø 250	Ø 250	-
10	Ø 200	Ø 200	Ø 250	Ø 250	Ø 250	-

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

**Collector code selection table according to the number of boilers in FRONT configuration**

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	FLUE GAS COLLECTOR CODE SELECTION FOR FRONT CONFIGURATIONS					
2	2 x 20131238 1 x 20062338 2 x 20131266	2 x 20131238 1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266
3	3 x 20131238 1 x 20062338 3 x 20131266	3 x 20131238 1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266
4	4 x 20131238 1 x 20062338 4 x 20131266	4 x 20131238 1 x 20062338 4 x 20131266	1 x 20062338 4 x 20131266	1 x 20062338 4 x 20131266	1 x 20062338 4 x 20131266	1 x 20062338 3 x 20131266 1 x 20132391 1 x 20131901
5	5 x 20131238 1 x 20062338 5 x 20131266	5 x 20131238 1 x 20062338 5 x 20131266	1 x 20062338 4 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901
6	6 x 20131238 1 x 20062338 6 x 20131266	6 x 20131238 1 x 20062338 6 x 20131266	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 1 x 20131903
7	7 x 20131238 1 x 20062338 7 x 20131266	7 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 1 x 20131903	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 2 x 20131903
8	8 x 20131238 1 x 20062338 7 x 20131266 1 x 20132391 1 x 20131901	8 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 1 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 1 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 2 x 20131903	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 3 x 20131903
9	9 x 20131238 1 x 20062338 7 x 20131266 1 x 20132391 2 x 20131901	9 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 3 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 2 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 2 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 3 x 20131903	NA
10	10 x 20131238 1 x 20062338 7 x 20131266 1 x 20132391 3 x 20131901	10 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 4 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 3 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 3 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 4 x 20131903	NA

Note: in case of ducted intake and watertight combustion (type C) double the quantities indicated in the table.

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

**Flue gas collector code selection table according to the number of boilers in BACK-TO-BACK configuration**

Model	POWER MAX 65 P	POWER MAX 80 P	POWER MAX 100	POWER MAX 110	POWER MAX 130 (115 Hi)	POWER MAX 150
Heat Input Boiler kW	57	68	90	97	112	131
No. of boilers	FLUE GAS COLLECTOR CODE SELECTION FOR BACK-TO-BACK CONFIGURATIONS					
2	2 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	2 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381
3	3 x 20131238 2 x 20062338 3 x 20131266 1 x 20132381	3 x 20131238 2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381
4	4 x 20131238 2 x 20062338 4 x 20131266 1 x 20132381	4 x 20131238 2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132384
5	5 x 20131238 2 x 20062338 5 x 20131266 1 x 20132381	5 x 20131238 2 x 20062338 5 x 20131266 1 x 20132381	2 x 20062338 5 x 20131266 1 x 20132384	2 x 20062338 5 x 20131266 1 x 20132384	2 x 20062338 5 x 20131266 1 x 20132384	2 x 20062338 5 x 20131266 1 x 20132384
6	6 x 20131238 2 x 20062338 6 x 20131266 1 x 20132381	6 x 20131238 2 x 20062338 6 x 20131266 1 x 20132381	2 x 20062338 6 x 20131266 1 x 20132384	2 x 20062338 6 x 20131266 1 x 20132384	2 x 20062338 6 x 20131266 1 x 20132384	2 x 20062338 6 x 20131266 1 x 20132385
7	7 x 20131238 2 x 20062338 7 x 20131266 1 x 20132381	7 x 20131238 2 x 20062338 7 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 1 x 20132385	2 x 20062338 5 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386
8	8 x 20131238 2 x 20062338 8 x 20131266 1 x 20132384	8 x 20131238 2 x 20062338 8 x 20131266 1 x 20132384	2 x 20062338 8 x 20131266 1 x 20132385	2 x 20062338 8 x 20131266 1 x 20132385	2 x 20062338 8 x 20131266 1 x 20132385	2 x 20062338 6 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386
9	9 x 20131238 2 x 20062338 9 x 20131266 1 x 20132384	9 x 20131238 2 x 20062338 9 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386	2 x 20062338 7 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386	2 x 20062338 7 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386	NA
10	10 x 20131238 2 x 20062338 10 x 20131266 1 x 20132384	10 x 20131238 2 x 20062338 10 x 20131266 1 x 20132384	2 x 20062338 8 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	2 x 20062338 8 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	2 x 20062338 8 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	NA

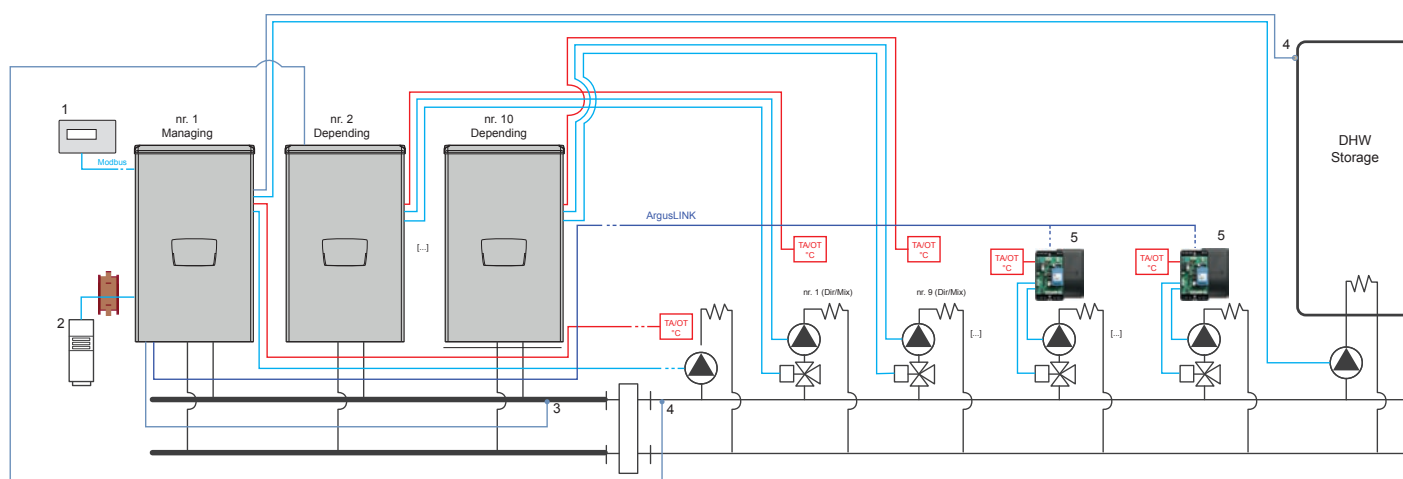
Note: in case of ducted intake and watertight combustion (type C) double the quantities indicated in the table.

## POWER MAX - CASCADE APPLICATION - SELECTION OF COMPONENTS

### 4.10 Remote control

CODE	DESCRIPTION
20132366	POWER MAX remote control kit <sup>(1)</sup>

<sup>(1)</sup> Necessary for hourly programming of the heater and for programming of zones (also those managed by the additional zone kits)



#### Key to layout

1. Remote control kit code 20132366
2. External probe code 20132778
3. Primary circuit probe code 20175716
4. Secondary circuit/heater probe code 1220599
5. Heating zone code 20130811

### 4.11 Treatment systems for condensate neutralization

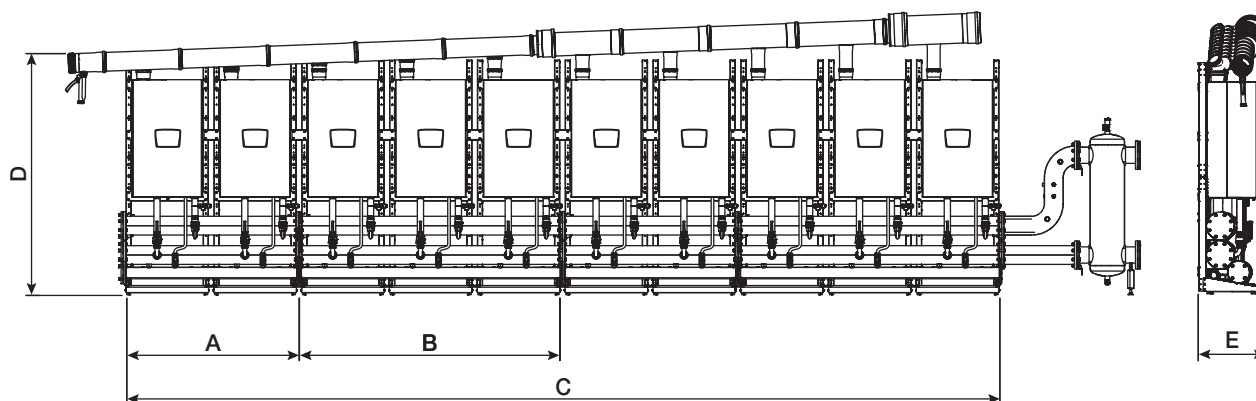
CODE	DESCRIPTION
4031811	Neutralization kit HN2 up to 270 kW <sup>(1)</sup> <sup>(2)</sup>
4031810	Neutralization kit N2 up to 450 kW <sup>(1)</sup>
4031812	Neutralization kit N3 from 450 to 1500 kW <sup>(1)</sup>
4031813	Neutralization kit HN3 from 270 to 750 kW <sup>(1)</sup> <sup>(2)</sup>

<sup>(1)</sup> Delivery time of the material if not available in stock: up to 30 working days from order validation date

<sup>(2)</sup> Equipped with extraction pumps

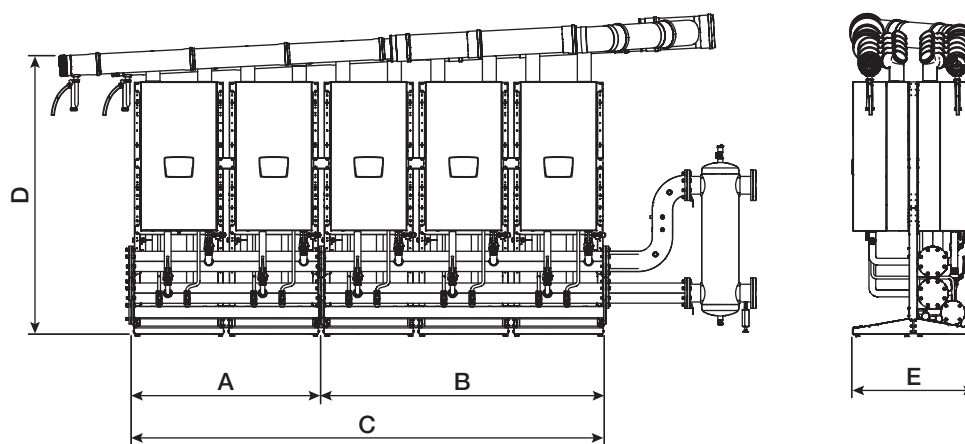
## POWER MAX - DIMENSIONS

### FRONT frame dimensions



DESCRIPTION		Power Max System					
		65 P	80 P	100	110	130	150
A	mm	1452	1452	1452	1452	1452	1452
B	mm	2245	2245	2245	2245	2245	2245
C (10 modules)	mm	7438	7438	7438	7438	7438	5942 (max 8 modules)
D (10 modules)	mm	2402	2402	2402	2402	2670	2514 (max 8 modules)
E	mm	525	525	525	525	525	525

### Front and rear frame dimensions



DESCRIPTION		Power Max System					
		65 P	80 P	100	110	130	150
A	mm	1452	1452	1452	1452	1452	1452
B	mm	2245	2245	2245	2245	2245	2245
C (10 modules)	mm	3697	3697	3697	3697	3697	3697 (max 8 modules)
D (10 modules)	mm	2217	2217	2237	2237	2437	2437 (max 8 modules)
E	mm	970	970	970	970	970	970

**POWER MAX BOX**

- Indoor thermal modules in cabinet compatible with outdoor installation through optional roof kit
- NEW condensing heat exchanger made of stainless steel
- Total pre-mixing and low polluting emissions: class 6
- Possibility of front cascade up to 1310 kW
- Thermoregulation as standard with optional external probe
- Low-consumption modulating circulating pumps as standard (also with  $\Delta T$  logic)
- Output modulating and modular adjustment
- Automatic reversal (at adjustable time intervals) of burner ignition order
- Simultaneous management of two circuits: heater, high temperature
- Management of up to 16 zones with optional kit
- Automatic summer/winter switch-over
- Anti-legionella function as standard
- Suitable for remote control management (0-10V input or Modbus) with optional kit
- Flue gas wafer check valve built in the boiler
- Optional kit for conversion to watertight chamber
- Standard equipment: electronic management and control adjustment, hydraulic delivery and return collectors, gas, flue gas and condensate drain collectors
- Availability of a wide range of system accessories
- LPG conversion kit supplied as standard

**Pre-mixed open chamber condensing**

CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	Delivered output 80°/60° max (kW)	Delivered output 50°/30° max (kW)	Furnace output min-max (kW)
INDOOR CABINETS - WITH MODULATING PUMP						
20141085 20162211 20162231 20192701	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 130-2 P <sup>(1)</sup>	1800 x 900 x 890	111.4	123.8	13.7-114
20141086 20162212 20162232 20192702	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 160-2 P <sup>(1)</sup>	1800 x 900 x 890	134.0	147.8	13.7-136
20141087 20162213 20162233 20192703	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 200-2 P <sup>(1)</sup>	1800 x 900 x 890	176.6	194.8	19.4-180
20141088 20162214 20162234 20192704	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 260-2 P <sup>(1)</sup>	1800 x 900 x 890	219.6	242.2	22.4-223.2
20141089 20162215 20162235 20192705	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 300-2 P <sup>(1)(4)</sup>	1800 x 900 x 890	258.0	284.2	26.3-262

## POWER MAX BOX

### Pre-mixed open chamber condensing

CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	Delivered output 80°/60° max (kW)	Delivered output 50°/30° max (kW)	Furnace output min-max (kW)
20141090 20162216 20162236 20192706	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 330-3 P <sup>(2)</sup>	1800 x 1800 x 890	285.9	315.3	19.4-291
20141091 20162217 20162237 20192707	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 390-3 P <sup>(2)</sup>	1800 x 1800 x 890	329.4	363.6	22.4-334.8
20141092 20162218 20162238 20192708	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 450-3 P <sup>(2)(4)</sup>	1800 x 1800 x 890	387.0	426.3	26.3-393
20141093 20162219 20162239 20192709	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 520-4 P <sup>(3)</sup>	1800 x 1800 x 890	439.2	484.4	22.4-446.4
20141095 20162220 20162240 20192710	IT / EN PL / RO ES / SI / CR HU	POWER MAX BOX 600-4 P <sup>(3)(4)</sup>	1800 x 1800 x 890	516.0	568.4	26.3-524

Delivery time for products and accessories if not available in stock: up to 30 working days from order validation date.

(1) Model with 2 heating elements

(2) Model with 3 heating elements

(3) Model with 4 heating elements

(4) Models that can be used for cascade systems

#### ATTENTION:

**Every model is available under different codes, according to the documentation language/s of the instruction manual supplied with the product.**

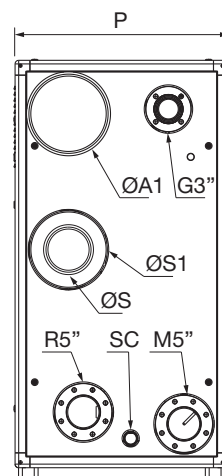
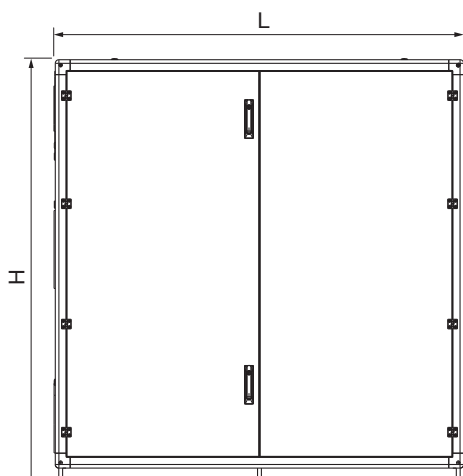
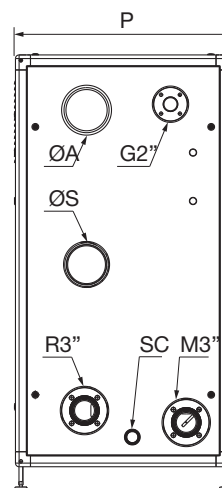
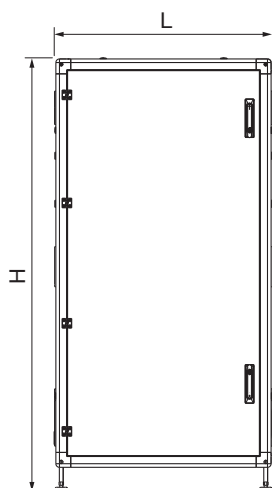
Please select the right code of your model according to the documentation language you need:

- IT / EN (Italian / English)
- PL / RO (Polish / Romanian)
- ES / SI / CR (Spanish / Slovenian / Croatian)
- HU (Hungarian)

## POWER MAX BOX

### Technical drawings

MODEL	DIMENSIONS H x L x D (mm)	ØA (optional) (mm)	ØS (mm)	ØM	ØR	Net weight (kg)
POWER MAX BOX 130-2 P	1800 x 900 x 890	160	160	3"	3"	270
POWER MAX BOX 160-2 P	1800 x 900 x 890	160	160	3"	3"	270
POWER MAX BOX 200-2 P	1800 x 900 x 890	160	160	3"	3"	280
POWER MAX BOX 260-2 P	1800 x 900 x 890	160	160	3"	3"	300
POWER MAX BOX 300-2 P	1800 x 900 x 890	160 (300)	160 (300)	5"	5"	350
POWER MAX BOX 330-3 P	1800 x 1700 x 890	160	160	3"	3"	450
POWER MAX BOX 390-3 P	1800 x 1700 x 890	160	160	3"	3"	490
POWER MAX BOX 450-3 P	1800 x 1700 x 890	160 (300)	160 (300)	5"	5"	540
POWER MAX BOX 520-4 P	1800 x 1700 x 890	160	160	3"	3"	560
POWER MAX BOX 600-4 P	1800 x 1700 x 890	160 (300)	160 (300)	5"	5"	600



G = GAS  
 M= DELIVERY  
 R= RETURN  
 SC = CONDENSATE DRAIN

## POWER MAX BOX

### System configuration

#### GUIDE TO SYSTEM CONFIGURATION AND SELECTION OF ACCESSORIES



1. BOILER CONFIGURATION

2. SEALED COMBUSTION TRANSFORMATION KIT (TYPE C)

3. HYDRAULIC INTERCEPTION OF THERMAL MODULES

4. MANIFOLDS, SAFETY KITS AND HYDRAULIC ACCESSORIES

5. HYDRAULIC SEPARATORS/PLATE HEAT EXCHANGERS\*

6. AUXILIARY ACCESSORIES FOR TECHNICAL BOX

7. AUXILIARY ACCESSORIES FOR OUTDOOR INSTALLATION

8. SECONDARY CIRCUIT MANAGEMENT ACCESSORIES

9. TREATMENT SYSTEMS FOR CONDENSATE NEUTRALISATION

(\*) Configurations with plate heat exchangers: see the product SP - Inspectable plate heat exchanger, section SYSTEM COMPLEMENTARY ITEMS.



## POWER MAX BOX

### 1. Boiler configuration

#### Output obtainable with STAND ALONE installation

Model	POWER MAX BOX									
	130-2 P	160-2 P	200-2 P	260-2 P	300-2 P	330-3 P	390-3 P	450-3 P	520-4 P	600-4 P
Heat Input Boiler kW	114	136	180	224	262	291	336	393	448	524

#### Output obtainable with CASCADE SYSTEM installation

Model	Power kW	POWER MAX BOX									
		130-2 P	160-2 P	200-2 P	260-2 P	300-2 P	330-3 P	390-3 P	450-3 P	520-4 P	600-4 P
POWER MAX BOX 750	655					1			1		
POWER MAX BOX 900	786					1					1
POWER MAX BOX 1050	917								1		1
POWER MAX BOX 1200	1048										2
POWER MAX BOX 1350	1179					1			1		1
POWER MAX BOX 1500	1310					1					2

### 2. Sealed combustion transformation kit (type c)

CODE	DESCRIPTION
20145144	Adapter Ø50/80 mm
20145141	Air tube kit for fan/collector connection Ø160 mm
20145137	Air tube kit for fan/collector connection Ø300 mm
20145185	Air collector for models Ø160 mm - for models with 2 thermal modules
20145186	Air collector for models Ø160 mm - for models with 3/4 thermal modules
20145187	Air collector for models Ø300 mm - for models with 2 thermal modules
20145189	Air collector for models Ø300 mm - for models with 3/4 thermal modules

#### Selection table of code quantities according to the cabinet model for watertight conversion

Model	20145144	20145141	20145137	20145185	20145186	20145187	20145189
POWER MAX BOX 130-2 P	2x•	2x•		1x•			
POWER MAX BOX 160-2 P	2x•	2x•		1x•			
POWER MAX BOX 200-2 P		2x•		1x•			
POWER MAX BOX 260-2 P		2x•		1x•			
POWER MAX BOX 300-2 P			2x•			1x•	
POWER MAX BOX 330-3 P		3x•					
POWER MAX BOX 390-3 P		3x•					
POWER MAX BOX 450-3 P			3x•				1x•
POWER MAX BOX 520-4 P		4x•					
POWER MAX BOX 600-4 P			4x•				1x•
POWER MAX BOX 750			5x•			1x•	1x•
POWER MAX BOX 900			6x•			1x•	1x•
POWER MAX BOX 1050			7x•				2x•
POWER MAX BOX 1200			8x•				2x•
POWER MAX BOX 1350			9x•			1x•	2x•
POWER MAX BOX 1500			10x•			1x•	2x•

## POWER MAX BOX

### 3. Hydraulic interception of thermal modules

CODE	DESCRIPTION
20145170	Hydraulic shut-off kit for single unit with 3-way valve with discharge to atmosphere <sup>(1)</sup>

<sup>(1)</sup> To be ordered in the same number as the number of units in the system

### 4. Manifolds, safety kits and hydraulic accessories

CODE	DESCRIPTION
20157593	Junction kit for cascade (Fume Ø300 - Air Ø300 - Condensation Ø50)
20145237	SJunction kit for cascade with spacer (150 mm) <sup>(1)</sup>
20071190	Safety kit <sup>(2)</sup>
20023104	Safety valve up to 460 kW (5.4 bar ØG.¾" F)
20023106	Safety valve up to 580 kW (5.4 bar ØG.1" F)
20009486	Fuel shut-off valve kit (VIC) - ØG.1" <sup>(3)(4)</sup>
20009482	Fuel shut-off valve kit (VIC) - ØG.1" ½ <sup>(4)(5)</sup>
20009483	Fuel shut-off valve kit (VIC) - ØG.2" <sup>(4)(6)</sup>
20061640	Fuel shut-off valve kit (VIC) - ØG.3" <sup>(4)(7)</sup>
20145184	Flanged 3"/2" reduction kit (DN80/DN50)
20094187	Flange kit 2" DN50 PN6 - Gas 2" F
20161191	Flange kit 3" DN80 PN6 - 3" DN80 PN16
20146852	Flanged DN80 to threaded ØG.2" adapter kit for fuel shut-off valve
20145183	Flanged reduction kit DN125/DN80
20147990	2" - 1" ½ gas adapter for VIC valve
20147994	2" - 1" gas adapter for VIC valve
20070903	3" closing plugs kit <sup>(8)</sup>
20070907	5" closing plugs kit <sup>(8)</sup>
20082190	Flange kit 3"
20082191	Flange kit 5"
20167872	Extension kit 3" <sup>(9)(11)</sup>
20167873	Extension kit 5" <sup>(10)(11)</sup>
20145172	Hydraulic flow manifold 3"
20145177	Hydraulic flow manifold 5"
20145181	Hydraulic return manifold 3"
20145182	Hydraulic return manifold 5"

<sup>(1)</sup> Includes connections H2O 5" - Gas 3" - Flue gas Ø300 - Condensate Ø50.

<sup>(2)</sup> Does not include safety valve and fuel shut-off valve.

<sup>(3)</sup> Recommended up to maximum output of 131 kW, calculated considering gas supply pressure = 20 mbar.

<sup>(4)</sup> Tripping temperature at 97 °C - Capillary length 5 m.

<sup>(5)</sup> Recommended up to maximum output of 230 kW, calculated considering gas supply pressure = 20 mbar.

<sup>(6)</sup> Recommended up to maximum output of 580 kW, calculated considering gas supply pressure = 20 mbar.

<sup>(7)</sup> Recommended up to maximum output of 1310 kW, calculated considering gas supply pressure = 20 mbar.

<sup>(8)</sup> Kit to close the unused side.

<sup>(9)</sup> To be installed in case of remote primary/secondary circuit interface with or without technical cabinet up to 485 kW

<sup>(10)</sup> To be installed in case of remote primary/secondary circuit interface with or without technical cabinet up to 1310 kW

<sup>(11)</sup> Specific sleeves are provided on the delivery tube for housing devices

Note: for calculation of maximum permissible output of VICs with supply pressure other than 20 mbar, please contact the pre-sales service.

## POWER MAX BOX

### 5. Hydraulic separators/plate heat exchangers\*

CODE	DESCRIPTION
20145255	Hydraulic separator, 3" connections (up to 485 kW)
20145260	Hydraulic separator, 5" connections (up to 1310 kW)
20145252	LH technical cabinet with hydraulic separator (up to 485 kW) <sup>(1)</sup>
20145254	LH technical cabinet with hydraulic separator (up to 1310 kW) <sup>(D)(1)</sup>
20145247	RH technical cabinet with hydraulic separator (up to 485 kW) <sup>(1)</sup>
20145250	RH technical cabinet with hydraulic separator (up to 1310 kW) <sup>(D)(1)</sup>
20146827	Connection kit for plate exchanger DN80/DN50
20203748	Connection kit for plate exchanger DN125/DN65
20146829	Connection kit for plate exchanger DN125/DN100
20146833	LH technical cabinet for plate exchanger (up to 485 kW)
20203212	LH technical cabinet for plate exchanger (up to 800 kW) <sup>(D)</sup>
20146836	LH technical cabinet for plate exchanger (up to 1310 kW) <sup>(D)</sup>
20146830	RH technical cabinet for plate exchanger (up to 485 kW)
20203211	RH technical cabinet for plate exchanger (up to 800 kW) <sup>(D)</sup>
20146832	RH technical cabinet for plate exchanger (up to 1310 kW) <sup>(D)</sup>
20158562	RH/LH technical cabinet for housing 3" extension kit (270/485 kW) <sup>(D)</sup>
20158564	RH/LH technical cabinet for housing 5" extension kit (580/1310 kW) <sup>(D)</sup>

<sup>(D)</sup> Availability of the material at our warehouse: 25 working days from the order validation date.

<sup>(1)</sup> They contain the hydraulic separator.

(\*) Configurations with plate heat exchangers: see the product SP - Inspectable plate heat exchanger, section SYSTEM COMPLEMENTARY ITEMS.

### Selection table for closing caps, weld-in flanges and hydraulic reductions

	Flanged 5"/3" reduction kit (DN125/DN80)	Closing 3" cap kit	Closing 5" cap kit	Weld-in 3" flange kit	Weld-in 5" flange kit
Model	20145183	20070903	20070907	20082190	20082191
POWER MAX BOX 130-2 P		1x●		2x●	
POWER MAX BOX 160-2 P		1x●		2x●	
POWER MAX BOX 200-2 P		1x●		2x●	
POWER MAX BOX 260-2 P		1x●		2x●	
POWER MAX BOX 300-2 P	2x●(*)		1x●	2x●	
POWER MAX BOX 330-3 P		1x●		2x●	
POWER MAX BOX 390-3 P		1x●		2x●	
POWER MAX BOX 450-3 P	2x●(*)		1x●	2x●	
POWER MAX BOX 520-4 P		1x●		2x●	
POWER MAX BOX 600-4 P			1x●		2x●
POWER MAX BOX 750			1x●		2x●
POWER MAX BOX 900			1x●		2x●
POWER MAX BOX 1050			1x●		2x●
POWER MAX BOX 1200			1x●		2x●
POWER MAX BOX 1350			1x●		2x●
POWER MAX BOX 1500			1x●		2x●

## POWER MAX BOX

### Selection table for safety devices

Model	Safety devices	Safety valves	Fuel shut-off valves									
	MANDATORY ACCESSORIES							ACCESSORIES TO BE SELECTED ACCORDING TO THE INSTALLATION				
	MANDATORY ACCESSORIES safety device kit	Safety valve up to 460 kW (5.4 bar ØG. 3/4" F)	Safety valve up to 580 kW (5.4 bar ØG. 1" F)	Fuel shut-off valve - ØG. 1"	Fuel shut-off valve - ØG. 1" 1/2"	Fuel shut-off valve - ØG. 2"	Fuel shut-off valve - ØG. 3"	Without technical cabinet			With separator/exchanger technical cabinet	
								Fanged 3" 1/2" reduction kit (DN80/DN50)	DN50PN6 2" - 2" G.F. flange kit	Flange kit 3" DN80 PN6 - 3" - DN80 PN16	Flanged 3" 1/2" reduction kit (DN80/DN50)	Flanged DN80/threaded ØG. 2" adapter kit for fuel shut-off valve
	20071190	20023104	20023106	20009486	20009482	20009483	20061640	20145184	20094187	20161191	20145184	20146852
POWER MAX BOX 130-2 P	1x●	1x●		1x●					1x●			
POWER MAX BOX 160-2 P	1x●	1x●			1x●				1x●			
POWER MAX BOX 200-2 P	1x●	1x●			1x●				1x●			
POWER MAX BOX 260-2 P	1x●	1x●			1x●				1x●			
POWER MAX BOX 300-2 P	1x●	1x●				1x●		1x●	1x●		1x●	
POWER MAX BOX 330-3 P	1x●	1x●				1x●			1x●			
POWER MAX BOX 390-3 P	1x●	1x●				1x●			1x●			
POWER MAX BOX 450-3 P	1x●	1x●				1x●		1x●	1x●		1x●	
POWER MAX BOX 520-4 P	1x●	1x●				1x●			1x●			
POWER MAX BOX 600-4 P	1x●		1x●			1x●		1x●	1x●			1x●
POWER MAX BOX 750	1x●	2x●					1x●			1x●		
POWER MAX BOX 900	1x●	2x●					1x●			1x●		
POWER MAX BOX 1050	1x●	2x●					1x●			1x●		
POWER MAX BOX 1200	1x●	3x●					1x●			1x●		
POWER MAX BOX 1350	1x●	3x●					1x●			1x●		
POWER MAX BOX 1500	1x●	3x●					1x●			1x●		

### Extension kit selection table

Model	WITH/WITHOUT TECHNICAL CABINET			WITH TECHNICAL CABINET		
	3" straight extension kit with pockets	5" straight extension kit with pockets	RH/LH technical cabinet for housing 3" extension kit	RH/LH technical cabinet for housing 5" extension kit	Gas adapter 2" - 1" and 1/2 for fuel shut-off valve	Gas adapter 2" - 1" for fuel shut-off valve
	20167872	20167873	20158562	20158564	20147990	20147994
POWER MAX BOX 130-2 P	●		●		●	
POWER MAX BOX 160-2 P	●		●			●
POWER MAX BOX 200-2 P	●		●			●
POWER MAX BOX 260-2 P	●		●			●
POWER MAX BOX 300-2 P	●		●			
POWER MAX BOX 330-3 P	●		●			
POWER MAX BOX 390-3 P	●		●			
POWER MAX BOX 450-3 P	●		●			
POWER MAX BOX 520-4 P	●		●			
POWER MAX BOX 600-4 P		●		●		
POWER MAX BOX 750		●		●		
POWER MAX BOX 900		●		●		
POWER MAX BOX 1050		●		●		
POWER MAX BOX 1200		●		●		
POWER MAX BOX 1350		●		●		
POWER MAX BOX 1500		●		●		
POWER MAX BOX 1500		●		●		

## POWER MAX BOX

### Technical cabinet selection table for extension housing

Model	RH/LH technical cabinet for housing 3" extension kit 20158562	RH/LH technical cabinet for housing 5" extension kit 20158564
POWER MAX BOX 130-2 P	•	
POWER MAX BOX 160-2 P	•	
POWER MAX BOX 200-2 P	•	
POWER MAX BOX 260-2 P	•	
POWER MAX BOX 300-2 P	•	
POWER MAX BOX 330-3 P	•	
POWER MAX BOX 390-3 P	•	
POWER MAX BOX 450-3 P	•	
POWER MAX BOX 520-4 P	•	
POWER MAX BOX 600-4 P		•
POWER MAX BOX 750		•
POWER MAX BOX 900		•
POWER MAX BOX 1050		•
POWER MAX BOX 1200		•
POWER MAX BOX 1350		•
POWER MAX BOX 1500		•

### Hydraulic separator and hydraulic accessories selection table

Model	Without technical cabinet							With technical cabinet			
	Left/right side installation							Installation left side		Installation right side	
	3" connections up to 485 kW	5" connections up to 1310 kW	3" delivery stub pipe kit	5" delivery stub pipe kit	3" return stub pipe kit	5" return stub pipe kit	B2B cascade hydraulic connection kit	LH technical cabinet for hydraulic separator up to 485 kW	LH technical cabinet for hydraulic separator up to 1310 kW	RH technical cabinet for hydraulic separator up to 485 kW	RH technical cabinet for hydraulic separator up to 1310 kW
	20145255	20145260	20145172	20145177	20145181	20145182	20162865	20145252	20145254	20145247	20145250
POWER MAX BOX 130-2 P	•		•		•			•		•	
POWER MAX BOX 160-2 P	•		•		•			•		•	
POWER MAX BOX 200-2 P	•		•		•			•		•	
POWER MAX BOX 260-2 P	•		•		•			•		•	
POWER MAX BOX 300-2 P	•		•		•			•		•	
POWER MAX BOX 330-3 P	•		•		•			•		•	
POWER MAX BOX 390-3 P	•		•		•			•		•	
POWER MAX BOX 450-3 P	•		•		•			•		•	
POWER MAX BOX 520-4 P	•		•		•			•		•	
POWER MAX BOX 600-4 P		•		•		•			•		•
POWER MAX BOX 750		•		•		•			•		•
POWER MAX BOX 900		•		•		•			•		•
POWER MAX BOX 1050		•		•		•			•		•
POWER MAX BOX 1200		•		•		•			•		•
POWER MAX BOX 1350		•		•		•			•		•
POWER MAX BOX 1500		•		•		•			•		•

## POWER MAX BOX

### Hydraulic accessories selection table for plate exchanger installation

	Without technical cabinet			With technical cabinet					
	Connection kit for plate exchanger DN80 (Ø3") /DN50	Connection kit for plate exchanger DN125 (Ø5")/DN65	Connection kit for plate exchanger DN125 (Ø5")/DN100	Left side installation			Right side installation		
				LH technical cabinet for plate exchanger up to 485 kW	LH technical cabinet for plate exchanger up to 800 kW	LH technical cabinet for plate exchanger up to 1310 kW	"RH technical cabinet for plate exchanger up to 485 kW"	RH technical cabinet for plate exchanger up to 800 kW	RH technical cabinet for plate exchanger up to 1310 kW
Model	20146827	20203748	20146829	20146833	20203212	20146836	20146830	20203211	20146832
POWER MAX BOX 130-2 P	•			•			•		
POWER MAX BOX 160-2 P	•			•			•		
POWER MAX BOX 200-2 P	•			•			•		
POWER MAX BOX 260-2 P	•			•			•		
POWER MAX BOX 300-2 P	•			•			•		
POWER MAX BOX 330-3 P	•			•			•		
POWER MAX BOX 390-3 P	•			•			•		
POWER MAX BOX 450-3 P	•			•			•		
POWER MAX BOX 520-4 P	•			•			•		
POWER MAX BOX 600-4 P		•			•			•	
POWER MAX BOX 750		•			•			•	
POWER MAX BOX 900		•			•			•	
POWER MAX BOX 1050			•			•			•
POWER MAX BOX 1200			•			•			•
POWER MAX BOX 1350			•			•			•
POWER MAX BOX 1500			•			•			•

## POWER MAX BOX

### 6. Auxiliary accessories for technical box

CODE	DESCRIPTION
20147030	Technical cabinet air/flue gas collector L = 900 mm Ø160 mm <sup>(1)</sup>
20147028	Technical cabinet air/flue gas collector L = 900 mm Ø300 mm <sup>(1)</sup>
20157595	Technical cabinet air/flue gas collector L = 1800 mm Ø160 mm <sup>(1)</sup>
20157598	Technical cabinet air/flue gas collector L = 1800 mm Ø300 mm <sup>(1)</sup>
20157599	Technical cabinet flue gas "S" collector L = 1800 mm Ø300 mm (SP60-DN100) <sup>(1)</sup>
20146844	Top lifting kit
20146845	Moving wheel kit <sup>(2)</sup>
20146846	Internal light kit for emergency and service

<sup>(1)</sup> To be used as indicated in the tables below.

<sup>(2)</sup> To be used during installation.

#### Open chamber boiler configuration

Selection table	Flue gas exhaust side	Technical cabinet side
Table A	RH	RH
	LH	LH
Collectors not required	LH	RH
	RH	LH

#### Watertight chamber boiler configuration

Selection table	Flue gas exhaust side	Air intake side	Technical cabinet side
Table A	RH	RH	RH
	LH	LH	LH
Table B	LH	RH	RH
	RH	LH	LH
	RH	LH	RH
	LH	RH	LH
Collectors not required	LH	LH	RH
	RH	RH	LH

## POWER MAX BOX

**Table A**

Air/flue gas collector code and number	Technical cabinet for housing of extensions or empty technical cabinet				Technical cabinet for hydraulic separator				Technical cabinet for heat exchanger					
	Open chamber		Water-tight chamber		Open chamber		Water-tight chamber		Open chamber			Water-tight chamber		
Type of chamber	20147030	20147028	20147030	20147028	20147030	20147028	20147030	20147028	20157595	20157598	20157599	20157595	20157598	20157599
POWER MAX BOX 130-2 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 160-2 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 200-2 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 260-2 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 300-2 P (*)	1x●				1x●				1x●					
POWER MAX BOX 330-3 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 390-3 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 450-3 P (*)	1x●				1x●				1x●					
POWER MAX BOX 520-4 P	1x●		2x●		1x●		2x●		1x●			2x●		
POWER MAX BOX 600-4 P		1x●		2x●		1x●		2x●		1x●			2x●	
POWER MAX BOX 750		1x●		2x●		1x●		2x●		1x●			2x●	
POWER MAX BOX 900		1x●		2x●		1x●		2x●		1x●			2x●	
POWER MAX BOX 1050		1x●		2x●		1x●		2x●			1x●			(**)
POWER MAX BOX 1200		1x●		2x●		1x●		2x●			1x●			(**)
POWER MAX BOX 1350		1x●		2x●		1x●		2x●			1x●			(**)
POWER MAX BOX 1500		1x●		2x●		1x●		2x●			1x●			(**)

NOTE: to be used only if the outlet on flue gas side is the same as the outlet on the hydraulic side

(\*) Flue gas exhaust/air intake on technical cabinet side not available in case of watertight installation, air intake on the boiler side mandatory.

(\*\*) In case of technical cabinet with heat exchanger and watertight installation, the air intake must be on the machine side and not on the technical cabinet side.  
In this case, also for the pump technical cabinet, if present, it is necessary to use only one code 20147028.

**Table B**

Air/flue gas collector code and number	Technical cabinet for housing of extensions or empty technical cabinet				Technical cabinet for hydraulic separator				Technical cabinet for heat exchanger					
	Open chamber		Water-tight chamber		Open chamber		Water-tight chamber		Open chamber			Water-tight chamber		
Type of chamber	20147030	20147028	20147030	20147028	20147030	20147028	20147030	20147028	20157595	20157598	20157599	20157595	20157598	20157599
POWER MAX BOX 130-2 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 160-2 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 200-2 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 260-2 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 300-2 P (*)	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 330-3 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 390-3 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 450-3 P (*)	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 520-4 P	1x●		1x●		1x●		1x●		1x●			1x●		
POWER MAX BOX 600-4 P		1x●		1x●		1x●		1x●		1x●			1x●	
POWER MAX BOX 750		1x●		1x●		1x●		1x●		1x●			1x●	
POWER MAX BOX 900		1x●		1x●		1x●		1x●		1x●			1x●	
POWER MAX BOX 1050		1x●		1x●		1x●		1x●			1x●			1x●
POWER MAX BOX 1200		1x●		1x●		1x●		1x●			1x●			1x●
POWER MAX BOX 1350		1x●		1x●		1x●		1x●			1x●			1x●
POWER MAX BOX 1500		1x●		1x●		1x●		1x●			1x●			1x●

## POWER MAX BOX

### 7. Auxiliary accessories for outdoor installation

CODE	DESCRIPTION
20146841	Roof kit for cabinet outdoor installation L = 900 mm
20146842	Roof kit for cabinet outdoor installation L = 1800 mm
20146843	Kit IPX5D display coverage
20146953	Outdoor insulation kit for 3" blind flanges
20146954	Outdoor insulation kit for 5" blind flanges

NOTE: to be used only in case of outdoor installation.

### Roof selection table for outdoor installation

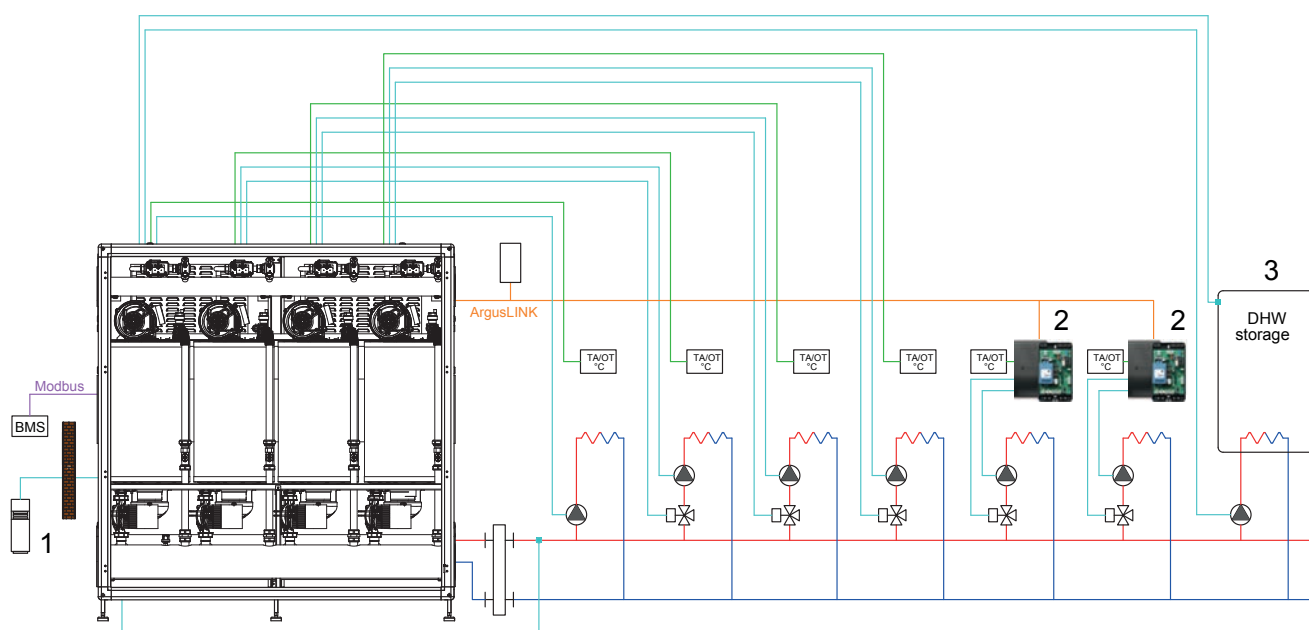
Model	Configuration with technical cabinet for hydraulic separator or empty technical cabinet					Configuration with technical cabinet for plate exchanger				
	20146841	20146842	20146843	20146953	20146954	20146841	20146842	20146843	20146953	20146954
POWER MAX BOX 130-2 P	2x●		1x●	1x●		1x●	1x●	1x●	1x●	
POWER MAX BOX 160-2 P	2x●		1x●	1x●		1x●	1x●	1x●	1x●	
POWER MAX BOX 200-2 P	2x●		1x●	1x●		1x●	1x●	1x●	1x●	
POWER MAX BOX 260-2 P	2x●		1x●	1x●		1x●	1x●	1x●	1x●	
POWER MAX BOX 300-2 P (*)	2x●		1x●		1x●	1x●	1x●	1x●		1x●
POWER MAX BOX 330-3 P	1x●	1x●	1x●	1x●			2x●	1x●	1x●	
POWER MAX BOX 390-3 P	1x●	1x●	1x●	1x●			2x●	1x●	1x●	
POWER MAX BOX 450-3 P (*)	1x●	1x●	1x●		1x●		2x●	1x●		1x●
POWER MAX BOX 520-4 P	1x●	1x●	1x●	1x●			2x●	1x●	1x●	
POWER MAX BOX 600-4 P	1x●	1x●	2x●		1x●		2x●	2x●		1x●
POWER MAX BOX 750	2x●	1x●	2x●		1x●	1x●	2x●	2x●		1x●
POWER MAX BOX 900	2x●	1x●	2x●		1x●	1x●	2x●	2x●		1x●
POWER MAX BOX 1050	1x●	2x●	2x●		1x●		3x●	2x●		1x●
POWER MAX BOX 1200	1x●	2x●	3x●		1x●		3x●	3x●		1x●
POWER MAX BOX 1350	2x●	2x●	3x●		1x●	1x●	3x●	3x●		1x●
POWER MAX BOX 1500	2x●	2x●	3x●		1x●	1x●	3x●	3x●		1x●

## POWER MAX BOX

### 8. Secondary circuit management accessories

CODE	DESCRIPTION
1220599	Secondary circuit/heater probe
20130811	Electronic kit for management of direct or additional mixed zone (max 16) <sup>(1)</sup>
20132778	External probe

<sup>(1)</sup> Used for secondary circuit and heater management.



1. External probe
2. Electronic kit for management of direct or additional mixed zone
3. Heater probe







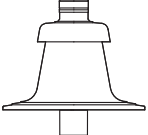


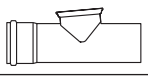
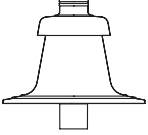
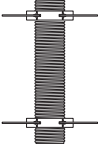
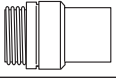


### 9. Treatment systems for condensate neutralization

CODE	DESCRIPTION
4031810	Neutralization kit N2 up to 450 kW
4031812	Neutralization kit N3 from 450 to 1500 kW <sup>(1)</sup>
4031811	Neutralization kit HN2 up to 270 kW <sup>(2)</sup>
4031813	Neutralization kit HN3 from 270 to 750 kW <sup>(1) (2)</sup>

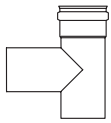






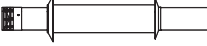
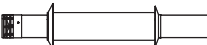

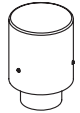
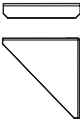
<sup>(1)</sup> Delivery time of the material if not available in stock: up to 30 working days from order validation date

<sup>(2)</sup> Equipped with extraction pumps

## SINGLE FLUE GAS EXHAUST SYSTEM OR DOUBLE SUCTION/DISCHARGE Ø80 mm

CODE		DESCRIPTION	MATERIAL (*)	POWER EVO-X 50 DEP/50	POWER EVO-X 65/80	POWER MAX 65 P - 80 P
20134830		Flue adapter kit from Ø60/100 to Ø80+80	PP (1)	■		
20190475		Compact adjustable splitter device kit from Ø60/100 to Ø80/80	PP (1)	■		
20129765		Flue adapter kit from Ø60/100 to Ø80+80	PP (1)	■		
20129769		Vertical flue adapter kit from Ø60/100 to Ø80 (for type B23 installation) for outdoor	PP (1)	■	■	
20196312		Adapter from Ø 80/125 mm to Ø80/80 mm	PP (1)		■	
20196315		Ø80/80 - Rainproof vertical adapter	PP (1)		■	
20131271		Flue cover Ø80 for rigid/flexible system	PP (1)			■
20132504		T-junction kit Ø80 mm with support bracket	PP (1)			■
20132505		Pipe spacers in the flue gases pipe	PP (1)			■
20132506		Straight inspection manifold Ø80 mm	PP (1)			■
20132508		Flue cover Ø80 mm	PP (1)			■
20132509		Flexible extension 12.5 m with 8 spacers Ø80 mm	PP (1)			■
20132510		Rigid-flexible fitting Ø80 mm	PP (1)			■
20132511		Flexible-flexible fitting Ø80 mm	PP (1)			■
20132512		Flexible-rigid-fitting Ø80 mm	PP (1)			■

## FOR CHIMNEYS CONDENSING

CODE		DESCRIPTION	MATERIAL (*)	POWER EVO-X 50 DEP/50	POWER EVO-X 65/80	POWER MAX 65 P - 80 P
20132513		Ø80 mm T-junction kit	PP <sup>(1)</sup>			■
20132518		Drain pipe kit	PP <sup>(1)</sup>			■
20137503		45° bend Ø80 mm	PP <sup>(1)</sup>			■
20137506		90° bend Ø80 mm	PP <sup>(1)</sup>			■
20137508		Extension Ø80 mm, L=500	PP <sup>(1)</sup>			■
20137509		Extension Ø80 mm L=1000	PP <sup>(1)</sup>			■
20137511		Extension Ø80 mm L=2000	PP <sup>(1)</sup>			■
20137515		Air suction terminal Ø80 mm	PP <sup>(1)</sup>			■
20137517		Horizontal terminal Ø80 mm	PP <sup>(1)</sup>			■
20132514		Ø80 mm T-junction closure kit for condensate drain	MET <sup>(1)</sup>			■
20137538		Air inlet kit for installation type B23	MET			
20145888		Flue support shelf kit	MET			■

(\*) PP material: colour may change over time because of sun's rays exposure.





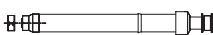

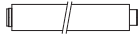
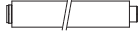
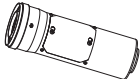




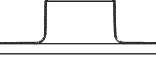


<sup>(1)</sup> H1 pressure level according to EN 1443.

NOTE: if in the flue line there is a component with P1 pressure level (according to EN 1443), all the line has P1 pressure level even if all the other components are in H1 pressure level (according to EN 1443).

NOTE: please, refer to boiler installation manual for maximum flue line length.

Deductible products only in the context of the refurbishment of the system or the energy-efficient retrofitting of the building. Therefore please always check the specific ways of accessing the incentive.

**Ø60/100 mm CONCENTRIC FLUE GAS EXHAUST SUCTION/DISCHARGE SYSTEM**

CODE		DESCRIPTION	MATERIAL (*)	POWER EVO-X 50 DEP/50	POWER MAX 65 P - 80 P
20137535		Double adaptor Ø80/80 mm - concentric Ø60/100 mm	PP/MET (1)(2)		■
20132018		Wall collector Ø60/100 mm	PP/PPu (1)(2)	■	■
20142835		Ø60/100 Concentric extension with inspection	pP/PPu (1)(2)	■	■
20142828		Ø60/100 90° Concentric bend with inspection	pP/PPu (1)(2)	■	■
20132020		Ø60/100 Vertical flue terminal Ø125 external straight pipe	pP/PPu (1)(2)	■	■
20132043		Ø60/100 Concentric extension 500 mm	PP/PPu (1)(2)	■	■
20132044		Ø60/100 Concentric extension 1000 mm	PP/PPu (1)(2)	■	■
20132045		Ø60/100 Concentric extension 2000 mm	PP/PPu (1)(2)	■	■
20132015		Ø60/100 Extension with inspection door	PP/PPu (1)(2)	■	■
20132012		Ø60/100 45° Concentric bend	PP/PPu (1)(2)	■	■
20132040		Ø60/100 45° Concentric bend (2 pcs.)	PP/PPu (1)(2)	■	■
20132013		Ø60/100 90° Concentric bend	PP/PPu (1)(2)	■	■
20132050		Ø125 Pitched roof tile for vertical flue	PP/PPu (1)(2)	■	■
20135579		Flat roof tile for vertical flue	PP/PPu (1)(2)	■	■
20135584		Ø100 Spacers for pipe (4 pcs. pack)	PP/PPu (1)(2)	■	■
20163032		Ø100 Pipe clips kit (5 pcs)	PP/PPu (1)(2)	■	■

(\*) PP material: colour may change over time because of sun's rays exposure.

(1) H1 pressure level according to EN 1443.

(2) Check the maximum equivalent lengths by consulting the technical data sheet and / or by contacting the pre-sales service.





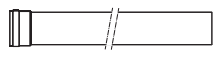

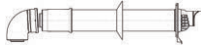
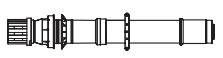



NOTE: if in the flue line there is a component with P1 pressure level (according to EN 1443), all the line has P1 pressure level even if all the other components are in H1 pressure level (according to EN 1443).

NOTE: please, refer to boiler installation manual for maximum flue line length.

Deductible products only in the context of the refurbishment of the system or the energy-efficient retrofitting of the building. Therefore please always check the specific ways of accessing the incentive.

## FOR CHIMNEYS CONDENSING

### Ø80/125 mm CONCENTRIC FLUE GAS EXHAUST SUCTION/DISCHARGE SYSTEM

CODE		DESCRIPTION	MATERIAL (*)	POWER EVO-X 50 DEP/50	POWER EVO-X 65/80	POWER MAX 65 P - 80 P
20131054		45° bend Ø80/125 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131055		Double adaptor Ø80/80 mm - concentric Ø80/125 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131083		90° bend Ø80/125 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131084		Extension Ø80/125 mm, L=500 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131085		Extension Ø80/125 mm, L=1000 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131095		90° bend with inspection Ø80/125 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131098		Wall discharge terminal Ø80/125 mm	PP/ABS <sup>(1)</sup>	■	■	■
20131113		Vertical terminal Ø80/125 mm	PP/ABS	■	■	■
20132050		Universal tile for sloping roofs	Nylon	■	■	■
20132520		Element kit Ø80/125 mm connection to flue	PP <sup>(1)</sup>	■	■	■
20135579		Flat roof tile for vertical flue		■	■	■

(\*) PP material: colour may change over time because of sun's rays exposure.




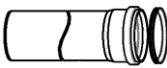
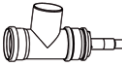
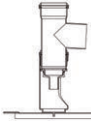

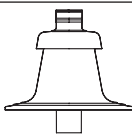
<sup>(1)</sup> H1 pressure level according to EN 1443.

NOTE: if in the flue line there is a component with P1 pressure level (according to EN 1443), all the line has P1 pressure level even if all the other components are in H1 pressure level (according to EN 1443).

NOTE: please, refer to boiler installation manual for maximum flue line length.

Deductible products only in the context of the refurbishment of the system or the energy-efficient retrofitting of the building. Therefore please always check the specific ways of accessing the incentive.

## SINGLE FLUE GAS EXHAUST SYSTEM OR DOUBLE SUCTION/DISCHARGE Ø110 mm

CODE		DESCRIPTION	MATERIAL (*)	POWER MAX 100 - 150
20131202		90° bend Ø110 mm with inspection	PP (1)	■
20131205		45° bend Ø110 mm	PP (1)	■
20131208		90° bend Ø110 mm	PP (1)	■
20131210		Extension Ø110 mm, L=1000 mm	PP (1)	■
20131218		Ø110 T-junction kit with condensate drain	PP (1)	■
20131221		Ø110 mm T-junction kit with stack support condensate drain	PP (1)	■
20131222		Ø110 mm T-junction kit	PP (1)	■
20131225		Flue cover Ø110 mm with terminal	PP (1)	■

(\*) PP material: colour may change over time because of sun's rays exposure.

(1) H1 pressure level according to EN 1443.



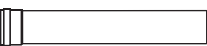





NOTE: if in the flue line there is a component with P1 pressure level (according to EN 1443), all the line has P1 pressure level even if all the other components are in H1 pressure level (according to EN 1443).

NOTE: please, refer to boiler installation manual for maximum flue line length.

Deductible products only in the context of the refurbishment of the system or the energy-efficient retrofitting of the building. Therefore please always check the specific ways of accessing the incentive.

## FOR CHIMNEYS CONDENSING

### Ø110/160 mm CONCENTRIC FLUE GAS EXHAUST SUCTION/DISCHARGE SYSTEM

CODE		DESCRIPTION	MATERIAL (*)	POWER MAX 100 - 150
20131036		45° bend Ø110/160 mm	PP/MET <sup>(1)</sup>	■
20131040		90° bend Ø110/160 mm	PP/MET <sup>(1)</sup>	■
20131046		Extension Ø110/160 mm, L=500 mm	PP/MET <sup>(1)</sup>	■
20131050		Extension Ø110/160 mm, L=1000 mm	PP/MET <sup>(1)</sup>	■
20131059		Double adaptor Ø110/110 mm - concentric Ø110/160 mm	PP/MET <sup>(1)</sup>	■
20131145		Tile Ø160 mm 25-45% slope	-	■
20131147		90° bend with inspection Ø110/160 mm	PP/MET <sup>(1)</sup>	■
20147403		Outlet on roof Ø110/160 mm	PP/MET <sup>(1)</sup>	■

(\*) PP material: colour may change over time because of sun's rays exposure.

<sup>(1)</sup> H1 pressure level according to EN 1443.









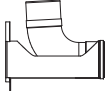

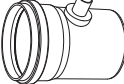


NOTE: if in the flue line there is a component with P1 pressure level (according to EN 1443), all the line has P1 pressure level even if all the other components are in H1 pressure level (according to EN 1443).

NOTE: please, refer to boiler installation manual for maximum flue line lenght.

Deductible products only in the context of the refurbishment of the system or the energy-efficient retrofitting of the building. Therefore please always check the specific ways of accessing the incentive.

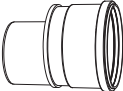







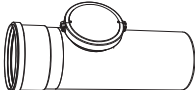
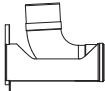
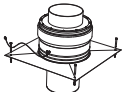
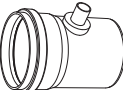


## FLUE OPTION FOR CONDENSING

### PLASTIC FLUE GAS EXHAUST SYSTEM Ø160 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20062445		30° bend Ø160 mm	PP
20032646		45° bend Ø160 mm	PP
20032644		90° bend Ø160 mm	PP
20062446		Bend with inspection Ø160 mm	PP
20060940		Extension Ø160 mm, L=500 mm	PP
20060941		Extension Ø160 mm, L=1000 mm	PP
20060942		Extension Ø160 mm, L=2000 mm	PP
20060945		Stub pipe with inspection Ø160 mm	PP
20062703		Chimney support Ø160 mm	PP
20060953		Chimney cover Ø160 mm	PP
20062447		Condensate drain tube Ø160 mm	PP
20063419		Inspectable T-shaped chimney support with condensate drain Ø160 mm	PP
20062448		T-shaped connection with condensate drain Ø160 mm	PP

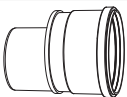
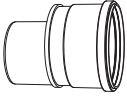
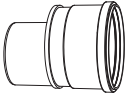




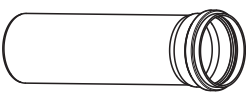
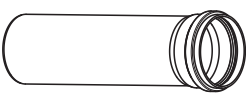
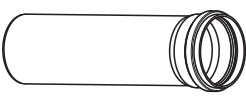
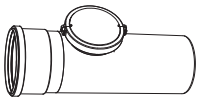


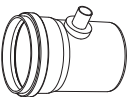

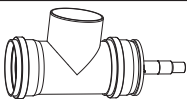
## FLUE OPTION FOR CONDENSING

### PLASTIC FLUE GAS EXHAUST SYSTEM Ø200 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20062567		Concentric adapter ø200-160 mm	PP
20062539		30° bend ø200 mm	PP
20062542		45° bend ø200 mm	PP
20062543		90° bend ø200 mm	PP
20062545		Bend with inspection ø200 mm	PP
20062527		Extension ø200 mm, L=500 mm	PP
20062530		Extension ø200 mm, L=1000 mm	PP
20062532		Extension ø200 mm, L=2000 mm	PP
20062534		Extension with inspection ø200 mm	PP
20062548		Chimney support ø200 mm	PP
20062547		Chimney cover ø200 mm	PP
20062537		Condensate drain tube ø200 mm	PP
20063420		Inspectable T-shaped chimney support with condensate drain ø200 mm	PP
20062550		T-shaped connection with condensate drain ø200 mm	PP

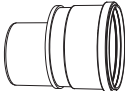
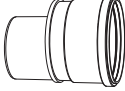




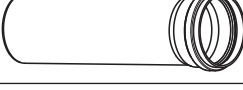

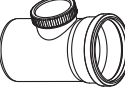




## FLUE OPTION FOR CONDENSING

### PLASTIC FLUE GAS EXHAUST SYSTEM Ø250 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20062606		Eccentric adapter ø250-160 mm	PP
20062607		Concentric adapter ø250-200 mm	PP
20132393		Adapter ø200/ø250 mm	PP
20062593		30° bend ø250 mm	PP
20062594		45° bend ø250 mm	PP
20062595		90° bend ø250 mm	PP
20062598		Bend with inspection ø250 mm	PP
20062576		Extension ø250 mm, L=500mm	PP
20062577		Extension ø250 mm, L=1000mm	PP
20062578		Extension ø250 mm, L=2000mm	PP
20062591		Extension with inspection ø250 mm	PP
20062600		Chimney support ø250 mm	PP
20062599		Chimney cover ø250 mm	PP
20062592		Condensate drain tube ø250 mm	PP
20063421		Inspectable T-shaped chimney support with condensate drain ø250 mm	PP
20062601		T-shaped connection with condensate drain ø250 mm	PP






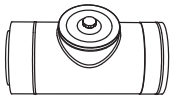
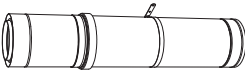
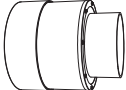
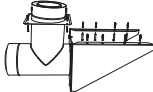
## FLUE OPTION FOR CONDENSING

### PLASTIC FLUE GAS EXHAUST SYSTEM Ø300 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20158581		Eccentric adapter Ø300-160 mm	PP
20158580		Eccentric adapter Ø300-250 mm	PP
20145293		45° bend Ø300 mm	PP
20145294		90° bend Ø300 mm	PP
20158567		Bend with inspection Ø300 mm	PP
20145292		Extension Ø300 mm, L=500 mm	PP
20145295		Extension Ø300 mm, L=1000 mm	PP
20145296		Extension Ø300 mm, L=2000 mm	PP
20145290		Stub pipe with inspection Ø300 mm	PP
20158569		Chimney support Ø300 mm	PP
20158566		Condensate drain tube Ø300 mm	PP
20158572		Inspectable T-shaped chimney support with condensate drain Ø300 mm	PP
20158571		T-shaped connection with condensate drain Ø300 mm	PP




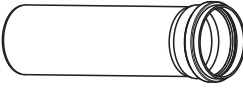

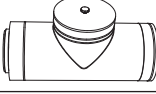

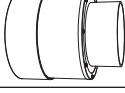
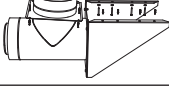
## FLUE OPTION FOR CONDENSING

### DOUBLE-WALL PLASTIC/STAINLESS STEEL FLUE GAS EXHAUST SYSTEM Ø160-225 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20062658		30° bend Ø160-225 mm	PP/Met
20062659		45° bend Ø160-225 mm	PP/Met
20062660		90° bend Ø160-225 mm	PP/Met
20062655		Extension Ø160-225 mm, L=500 mm	PP/Met
20062656		Extension Ø160-225 mm, L=1000 mm	PP/Met
20062657		Extension with inspection Ø160-225 mm, L=1000 mm	PP/Met
20062662		Tube for terminal Ø160-225 mm	PP/Met
20062663		Terminal Ø160-225 mm	PP/Met
20062661		Chimney support Ø160-225 mm	PP/Met




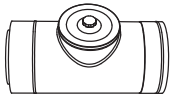

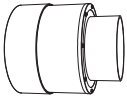
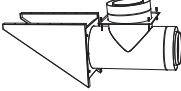
## FLUE OPTION FOR CONDENSING

### DOUBLE-WALL PLASTIC/STAINLESS STEEL FLUE GAS EXHAUST SYSTEM Ø200-300 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20062669		45° bend Ø200-300 mm	PP/Met
20062670		45° bend Ø200-300 mm	PP/Met
20062671		90° bend Ø200-300 mm	PP/Met
20062666		Extension Ø200-300 mm, L=500 mm	PP/Met
20062667		Extension Ø200-300 mm, L=1000 mm	PP/Met
20062668		Extension with inspection Ø200-300 mm	PP/Met
20062673		Tube for terminal Ø200-300 mm	PP/Met
20062674		Terminal Ø200-300 mm	PP/Met
20062672		Chimney support Ø200-300 mm	PP/Met





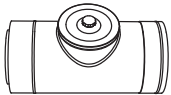
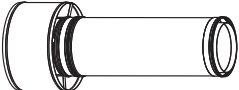

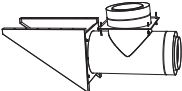

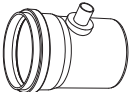
## FLUE OPTION FOR CONDENSING

### DOUBLE-WALL PLASTIC/STAINLESS STEEL FLUE GAS EXHAUST SYSTEM Ø250-350 mm FOR CONDENSING BOILERS

CODE		DESCRIPTION	MATERIAL
20062689		45° bend Ø250-350 mm	PP/Met
20062676		Extension Ø250-350 mm, L=500 mm	PP/Met
20062677		Extension Ø160-225 mm, L=1000 mm	PP/Met
20062688		Extension with inspection Ø250-350 mm	PP/Met
20062691		Tube for terminal Ø250-350 mm	PP/Met
20062692		Terminal Ø250-350 mm	PP/Met
20062690		Chimney support Ø250-350 mm	PP/Met

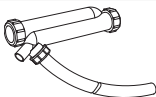


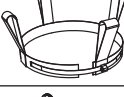


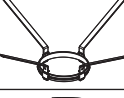









## FLUE OPTION FOR CONDENSING

### DOUBLE-WALL PLASTIC/STAINLESS STEEL FLUE GAS EXHAUST SYSTEM Ø300-350 mm FOR CONDENSING BOILERS








CODE		DESCRIPTION	MATERIAL
20158598		Eccentric adapter ø300/400-250 mm	PP/Met
20158600		45° bend ø300-350 mm	PP/Met
20158601		Extension ø300-400 mm, L=500 mm	PP/Met
20158602		Extension ø300-400 mm, L=1000 mm	PP/Met
20158603		Extension with inspection ø300-400 mm	PP/Met
20158604		Tube for terminal ø300-400 mm	PP/Met
20158605		Terminal ø300-400 mm	PP/Met
20158606		Chimney support ø300-400 mm	PP/Met
20158607		Boiler start-up kit ø300/350 mm	PP/Met
20158594		Tube with condensate drain ø300-350 mm	PP/Met

## FLUE OPTION FOR CONDENSING

### ACCESSORIES FOR FLUE GAS EXHAUST

CODE	DESCRIPTION	
20062443		Long John trap
20062510		Tool ø160 mm
20062563		Tool ø200 mm
20062604		Tool ø250 mm
20158577		Spacer ø300 mm
20062444		Spacer ø160 mm
20060948		Spacer ø160 mm (5 pcs.)
20062564		Spacer ø200 mm
20062664		Spacer ø225 mm
20062605		Spacer ø250 mm
20062513		Grille ø160 mm
20062575		Grille ø200 mm
20062636		Grille ø250 mm
20158576		Grille ø300 mm
20062512		Rosette ø160 mm
20062574		Rosette ø200 mm

## FLUE OPTION FOR CONDENSING

CODE		DESCRIPTION
20062665		<b>Rosette ø225 mm</b>
20062635		<b>Rosette ø250 mm</b>
20062675		<b>Rosette ø300 mm</b>
20062693		<b>Rosette ø350 mm</b>
20062449		<b>Bulkhead connector ø160-225 mm</b>
20062556		<b>Bulkhead connector ø200 mm</b>
20062602		<b>Bulkhead connector ø250 mm</b>



AIR CONDITIONING



AIR CONDITIONERS

272

**BREVA - WALL-HUNG MONO INVERTER AIR CONDITIONERS**

- Wide range with four monosplit models, 2.6 - 3.6 - 5.0 - 7.0kW, and one dual split model, 5.0kW
- Energy class A++, A+
- Refrigerant gas R32
- Backlit display
- Remote control supplied as standard with large backlit display
- Front panel in glossy white ABS
- Four-speed indoor unit fan with "Sleep" function, "QUIET" (20 dBA)
- "SMART" mode with automatic heating/cooling switching
- AUTORESTART function in case of blackout
- Possibility of remote control with APP, via Smartphone and Tablet, with optional Wi-Fi kit

**Air conditioners**

CODE	MODEL	DIMENSIONS <sup>(A)</sup> H x L x D (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS	
				SCOP	SEER
20174579	BREVA 9000-1				
<b>CONSISTING OF:</b>					
20171580	BREVA IN 9000	280 x 820 x 195	2.9 / 2.6	A <sup>+</sup>	A <sup>++</sup>
20171581	BREVA EX 9000-1	540 x 780 x 245	-	-	-
20174585	BREVA 12000-1				
<b>CONSISTING OF:</b>					
20171582	BREVA IN 12000	280 x 820 x 195	3.7 / 3.6	A <sup>+</sup>	A <sup>++</sup>
20171583	BREVA EX 12000-1	550 x 800 x 280	-	-	-
20174588	BREVA 18000-1				
<b>CONSISTING OF:</b>					
20171584	BREVA IN 18000	318 x 1008 x 225	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>
20171585	BREVA EX 18000-1	550 x 800 x 280	-	-	-
20178548	BREVA 24000-1				
<b>CONSISTING OF:</b>					
20177623	BREVA IN 24000	335 x 1125 x 240	8.1 / 7.0	A <sup>+</sup>	A <sup>++</sup>
20177622	BREVA EX 24000-1	697 x 890 x 353	-	-	-

(A) The width value the outdoor units does not include the connection overall dimensions: +76 mm for monosplit 9000 version; +60 mm for monosplit 12000 and 18000 versions; +96 mm for monosplit 24000 version.

The efficiency classes are declared in compliance with standard EN 14825, for temperate climate zone and in correspondence of Pdesign -10°C in heating mode and Pdesign 35°C in cooling mode.

Performance refers to the following conditions:

(1) indoor unit air inlet temperature 20°C T d.b., outdoor temperature 7°C d.b., 6°C w.b.

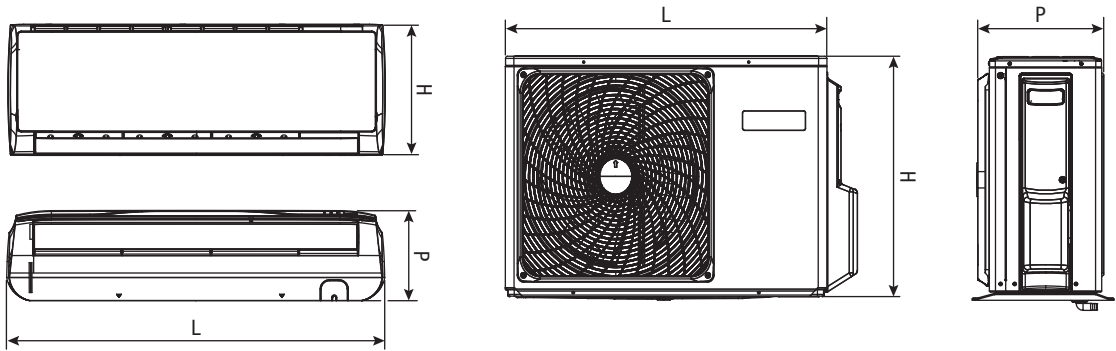
(2) indoor unit air inlet temperature 27°C Td.b., 19°C Tw.b., outdoor temperature 35°C d.b.

The possible combinations are the ones indicated in the table. Combinations other than those indicated are not permitted. It is not allowed to use units with item code not included in the list.

Accessories	
CODE	DESCRIPTION
20194065	Wi-Fi air conditioner interface

Technical data					
Model	Heating mode yearly consumption kWh/year	Cooling mode yearly consumption kWh/year	Connections liquid mm	Connections gas mm	L/H max <sup>(1)</sup> m
BREVA 9000-1	819	147	6.35	9.52	15/10
BREVA 12000-1	1092	197	6.35	9.52	15/10
BREVA 18000-1	1610	287	6.35	12.7	25/15
BREVA 24000-1	1963	350	6.35	12.7	25/15

(1) Maximum length with factory charge 5 m for monosplit models 9000-1, 12000-1 and 18000-1. Maximum length with factory charge 7 m for monosplit model 24000-1. Additional charge 20 g/m.



**BREVA DUAL - WALL-HUNG MULTI INVERTER AIR CONDITIONERS**

- 5.0 kW dual split model
- Energy class A++, A+
- Refrigerant gas R32
- Backlit display
- Remote control supplied as standard with large backlit display
- Front panel in glossy white ABS
- Four-speed indoor unit fan with "Sleep" function, "QUIET" (20 dBA)
- "SMART" mode with automatic heating/cooling switching
- AUTORESTART function in case of blackout
- Possibility of remote control with APP, via Smartphone and Tablet, with optional Wi-Fi kit

**Air conditioners**

CODE		MODEL	DIMENSIONS <sup>(A)</sup> H X L X D (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS <div>SCOPSEER</div>		
20174592	BREVA 18000-2(9+9)						
CONSISTING OF:							
20171580	BREVA IN 9000	280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>		
20171580	BREVA IN 9000	280 x 820 x 195					
20171586	BREVA EX 18000-2	553 x 800 x 275	-	-	-		
20174595	BREVA 18000-2(9+12)						
CONSISTING OF:							
20171580	BREVA IN 9000	280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>		
20171582	BREVA IN 12000	280 x 820 x 195					
20171586	BREVA EX 18000-2	553 x 800 x 275	-	-	-		
20174599	BREVA 18000-2(12+12)						
CONSISTING OF:							
20171582	BREVA IN 12000	280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>		
20171582	BREVA IN 12000	280 x 820 x 195					
20171586	BREVA EX 18000-2	553 x 800 x 275	-	-	-		

(A) The width value the outdoor units does not include the connection overall dimensions: +60 mm for the 18000-2 dual split version.

The efficiency classes are declared in compliance with standard EN 14825, for temperate climate zone and in correspondence of Pdesign -10°C in heating mode and Pdesign 35°C in cooling mode.

Performance refers to the following conditions:

(1) indoor unit air inlet temperature 20°C T d.b., outdoor temperature 7°C d.b., 6°C w.b.

(2) indoor unit air inlet temperature 27°C Td.b., 19°C Tw.b., outdoor temperature 35°C d.b.

The possible combinations are the ones indicated in the table. Combinations other than those indicated are not permitted. It is not allowed to use units with item code not included in the list.

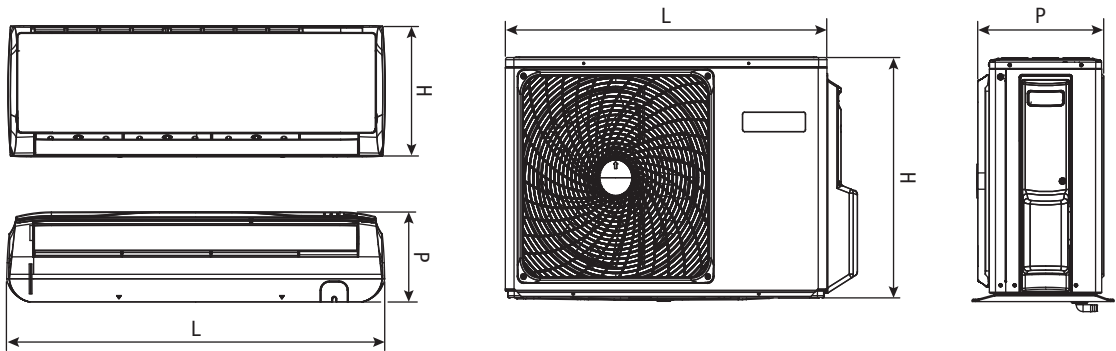
Accessories

CODE	DESCRIPTION
20194065	Wi-Fi air conditioner interface

Technical data

Model	Heating mode yearly consumption kWh/year	Cooling mode yearly consumption kWh/year	Connections liquid mm	Connections gas mm	L/H max <sup>(1)</sup> m
BREVA 18000-2	1645	269	2 x 6.35	2 x 9.52	30/15

(1) Maximum length with factory charge 20 m for dual split model 18000-2. Additional charge 20 g/m.



**BREVA TRIAL - WALL-HUNG MULTI INVERTER AIR CONDITIONERS**

- 5.5 kW trial split model
- Energy class A++, A+
- Refrigerant gas R32
- Backlit display
- Remote control supplied as standard with large backlit display
- Front panel in glossy white ABS
- Four-speed indoor unit fan with "Sleep" function, "QUIET" (20 dBA)
- "SMART" mode with automatic heating/cooling switching
- AUTORESTART function in case of blackout
- Possibility of remote control with APP, via Smartphone and Tablet, with optional Wi-Fi kit

**Air conditioners**

CODE		MODEL	DIMENSIONS H X L X D (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS <div>SCOPSEER</div>	
20194330	BREVA EX 18.000-3 (outdoor units)		700 x 890 x 340			
COMBINED WITH:						
20171580	BREVA IN 9000		280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>
20171580	BREVA IN 9000		280 x 820 x 195			
20171580	BREVA IN 9000		280 x 820 x 195			
COMBINED WITH:						
20171580	BREVA IN 9000		280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>
20171580	BREVA IN 9000		280 x 820 x 195			
20171582	BREVA IN 12000		280 x 820 x 195			

The efficiency classes are declared in compliance with standard EN 14825, for temperate climate zone and in correspondence of Pdesign -10°C in heating mode and Pdesign 35°C in cooling mode.

Performance refers to the following conditions:

(1) indoor unit air inlet temperature 20°C T d.b., outdoor temperature 7°C d.b., 6°C w.b.

(2) indoor unit air inlet temperature 27°C Td.b., 19°C Tw.b., outdoor temperature 35°C d.b.

(3) EX means external unit only, IN means internal unit only.

The possible combinations are the ones indicated in the table. Combinations other than those indicated are not permitted. It is not allowed to use units with item code not included in the list.

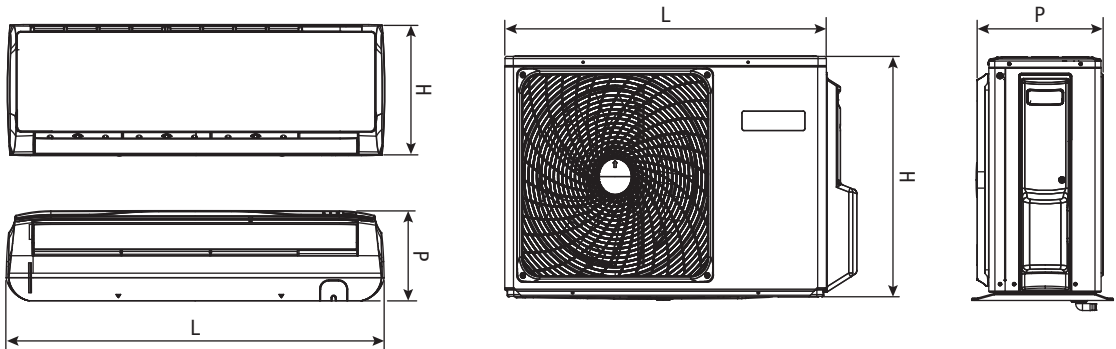
Accessories

CODE	DESCRIPTION
20194065	Wi-Fi air conditioner interface

Technical data

Model	Heating mode yearly consumption kWh/year	Cooling mode yearly consumption kWh/year	Connections liquid mm	Connections gas mm	L/H max <sup>(1)</sup> m
BREVA EX 18.000-3	1679	258	3 x 6.35	3 x 9.52	30/15

(1) Maximum length with factory charge 20 m for trial split model 18000-3. Additional charge 20 g/m.





Multisplit air conditioners

**Beretta**

## BREVA QUADRI - WALL-HUNG MULTI INVERTER AIR CONDITIONERS



- 7.5 kW quadri split model
- Energy class A++, A+
- Refrigerant gas R32
- Backlit display
- Remote control supplied as standard with large backlit display
- Front panel in glossy white ABS
- Four-speed indoor unit fan with "Sleep" function, "QUIET" (28 dBA)
- "SMART" mode with automatic heating/cooling switching
- AUTORESTART function in case of blackout
- Possibility of remote control with APP, via Smartphone and Tablet, with optional Wi-Fi kit

### Air conditioners

CODE	MODEL	DIMENSIONS H X L X D (mm)	HEAT. <sup>(1)</sup> /COOL. <sup>(2)</sup> OUTPUT (kW)	CLASS <div>SCOPSEER</div>	
20194331	BREVA EX 24.000-4 (outdoor units)	700 x 890 x 340			
COMBINED WITH:					
20171580	BREVA IN 9000	280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>
20171580	BREVA IN 9000	280 x 820 x 195			
20171580	BREVA IN 9000	280 x 820 x 195			
20171584	BREVA IN 18000	318 x 1008 x 225			
COMBINED WITH:					
20171580	BREVA IN 9000	280 x 820 x 195	5.2 / 5.0	A <sup>+</sup>	A <sup>++</sup>
20171580	BREVA IN 9000	280 x 820 x 195			
20171580	BREVA IN 9000	280 x 820 x 195			
20171582	BREVA IN 12000	280 x 820 x 195			

The efficiency classes are declared in compliance with standard EN 14825, for temperate climate zone and in correspondence of Pdesign -10°C in heating mode and Pdesign 35°C in cooling mode.

Performance refers to the following conditions:

(1) indoor unit air inlet temperature 20°C T d.b., outdoor temperature 7°C d.b., 6°C w.b.

(2) indoor unit air inlet temperature 27°C Td.b., 19°C Tw.b., outdoor temperature 35°C d.b.

(3) EX means external unit only, IN means internal unit only.

The possible combinations are the ones indicated in the table. Combinations other than those indicated are not permitted. It is not allowed to use units with item code not included in the list.

>> NEW

BREVA QUADRI - WALL-HUNG MULTI INVERTER AIR CONDITIONERS

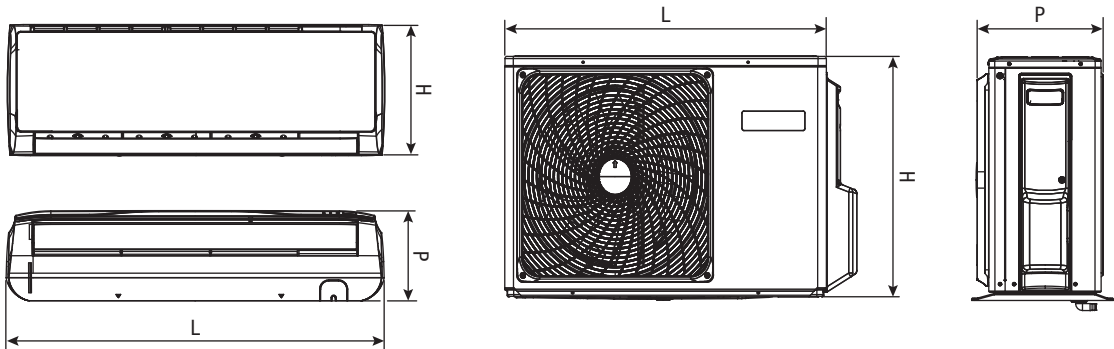
Accessories

CODE	DESCRIPTION
20194065	Wi-Fi air conditioner interface

Technical data

Model	Heating mode yearly consumption kWh/year	Cooling mode yearly consumption kWh/year	Connections liquid mm	Connections gas mm	L/H max <sup>(1)</sup> m
BREVA EX 24.000-4	2179	379	4 x 6.35	3 x 9.52 e 1 x 12.7	40/15

(1) Maximum length with factory charge 20 m for quadri split model 24000-4. Additional charge 20 g/m.



TERMINAL UNITS >>

FAN COILS

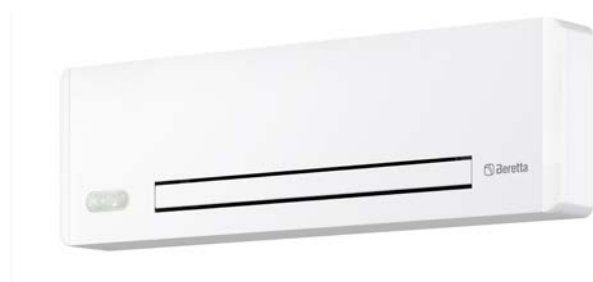
282



Wall-mounted fan coils for heating, cooling and dehumidification



## TIVANO WALL



» available as standard

- **Wall-mounted fan coils for heating / cooling, dehumidification.**
- High efficiency DC-Inverter Technology range.
- Three sizes of capacity (heating from 2.78 kW to 5.72 kW; cooling from 1.07 kW to 2.31 kW).
- On-board touch LCD display , unit with temperature display and operation.
- Remote control supplied as standard.
- **Fan with DC-inverter Brushless motor.**
- Highly silent.
- 2/3-ways valve kits available as option to be installed inside the unit.
- 128 mm depth.
- Motorized wings for a correct air distribution.
- Hydraulic connections to the right.
- White color.

### Fan coils for heating, cooling and dehumidification

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)	HEATING CAPACITY 70°C WATER INLET (kW)	HEATING CAPACITY 45°C WATER INLET (kW)	TOTAL COOLING* CAPACITY (kW)	MAXIMUM AIRFLOW (m³/h)
20186366	TIVANO WALL 27	335 x 902 x 128	2.78	1.27	1.07	228
20186367	TIVANO WALL 41	335 x 1102 x 128	4.12	1.80	1.65	331
20186368	TIVANO WALL 57	335 x 1302 x 128	5.72	2.60	2.31	440

\* Coil inlet water temperature 7°C, coil outlet water temperature 12°C.

### Accessories for TIVANO WALL

CODE	DESCRIPTION	CODE	DESCRIPTION
20117090	2-ways manual valve kit	20099251	3-ways diverter motorized valve kit
20099250	2-ways motorized valve kit		

## Technical data

DESCRIPTION and MODELS	U.O.M.	TIVANO WALL 27	TIVANO WALL 41	TIVANO WALL 57
PERFORMANCE				
Total cooling capacity (a)	kW	1.07	1.65	2.31
Sensible cooling capacity	kW	0.95	1.49	1.94
Water flow rate	l/h	196	279	402
Water losses	kPa	10.7	4.5	2.1
Heating capacity with 45°C inlet water (b)	kW	1.27	1.80	2.60
Water flow rate (45°C water inlet)	l/h	232	351	478
Water losses (45°C water inlet)	kPa	13.9	5.00	4.80
Heating capacity with 70°C water inlet (c)	kW	2.78	4.12	5.72
Water flow rate (70°C Δt 10)	l/h	239	354	492
Water losses (70°C Δt 10)	kPa	13	4.7	4.5
HYDRAULIC FEATURES				
Water coil content	litres	0.54	0.74	0.93
Maximum operating pressure	bar	10		
Hydraulic connections	inches	eurokonus 3/4"		
AERAULIC DATA				
Airflow at maximum ventilation speed	m³/h	228	331	440
Airflow at medium speed (AUTO mode)	m³/h	155	229	283
Airflow at minimum ventilation speed	m³/h	84	124	138
ELECTRICAL DATA				
Power supply	V/ph/Hz	230/1/50		
Maximum power consumption	W	12	14	18
Absorbed power at minimum speed	W	4.8	5.1	5.8
SOUND LEVEL				
Sound pressure at maximum airflow (d)	dB(A)	39.7	42.4	42.6
Sound pressure at medium airflow (d)	dB(A)	24.9	25.2	25.8
GENERAL DATA				
Max - Min temperature (Water inlet)	°C	80 - 4		
Weight	kg	14	16	19

(a) Coil inlet water temperature 7°C, coil outlet water temperature 12°C, air temperature 27°C d.b. and 19°C w.b.

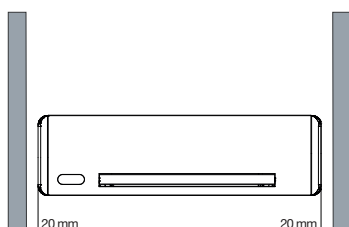
(b) Coil inlet water temperature 45°C, water flow rate as in cooling, air temperature 20°C.

(c) Coil inlet water temperature 70°C, coil outlet water temperature 60°C, air temperature 20°C.

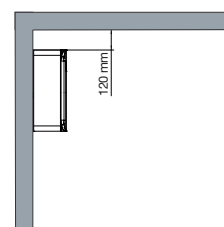
(d) Sound pressure measured in semi-anechoic chamber according to ISO 7779.

## Technical drawings

BOTTOM WALL-MOUNTED INSTALLATION



TOP WALL-MOUNTED INSTALLATION





## TIVANO



### ■ Fan coils and radiant fan coils for heating / cooling, dehumidification and air filtration.

- High efficiency DC-Inverter Technology range.
- Five sizes of capacity (heating from 2.35 kW to 9.36 kW; cooling from 1.06 kW to 4.42 kW).
- Wall-mounted installation (vertical).
- Feet kit available as option for floor-standing installations.
- Highly silent.
- Tangential fan with DC-inverter Brushless motor.
- The fan speed is continuously modulated by the temperature controller.
- 150 mm depth.
- Wide range of complementary accessories.
- White color, flat design.

## Fan coils with DC Inverter Technology

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)	HEATING CAPACITY 70°C WATER INLET (W)	HEATING CAPACITY 50°C WATER INLET (W)	TOTAL COOLING* CAPACITY (W)	MAXIMUM AIRFLOW (m³/h)
20116276	TIVANO 23	580 x 723 x 150	2347	1387	1062	157
20116277	TIVANO 45	580 x 923 x 150	4530	2720	2056	310
20116278	TIVANO 64	580 x 1123 x 150	6436	3827	3211	447
20116279	TIVANO 76	580 x 1323 x 150	7619	4572	3759	559
20116280	TIVANO 94	580 x 1523 x 150	9356	5591	4423	629

\* Coil inlet water temperature 7°C, coil outlet water temperature 12°C.

## Fan coils with front radiant panel and with DC Inverter Technology

CODE	DESCRIPTION	DIMENSIONS H x W x D (mm)	HEATING CAPACITY 70°C WATER INLET (W)	HEATING CAPACITY 50°C WATER INLET (W)	TOTAL COOLING* CAPACITY (W)	MAXIMUM AIRFLOW (m³/h)
20116281	TIVANO R 23	580 x 723 x 150	2347	1387	1062	157
20116282	TIVANO R 45	580 x 923 x 150	4530	2720	2056	310
20116284	TIVANO R 64	580 x 1123 x 150	6436	3827	3211	447
20116285	TIVANO R 76	580 x 1323 x 150	7619	4572	3759	559

\* Coil inlet water temperature 7°C, coil outlet water temperature 12°C.

**Note:** For the operation of the fan coils TIVANO and TIVANO R, it is necessary to buy the interface board ALPHA TIVANO REMOTO (code 20116481) to be used with a common three-speed control, or the control ALPHA TIVANO 20 IN (code 20116484) to operate the fan coil 'on board'.

## TIVANO

**Accessories for TIVANO and TIVANO R**

CODE	DESCRIPTION
20116481	REMOTE CONTROL INTERFACE - interface board for three-speed control *
20116484	CONTROL PANEL ON BOARD BASIC - control for on board installation with speed selector
20116486	2-way solenoid valve kit (for circulators at variable flow)
20116489	3-way solenoid valve kit for circulators at fixed flow)
20116493	2-way taps kit
20116500	White feet kit
20116503	"L" coupling 90° kit
20116505	Fitting spacer kit

\* Control not included.

**Accessories for TIVANO**

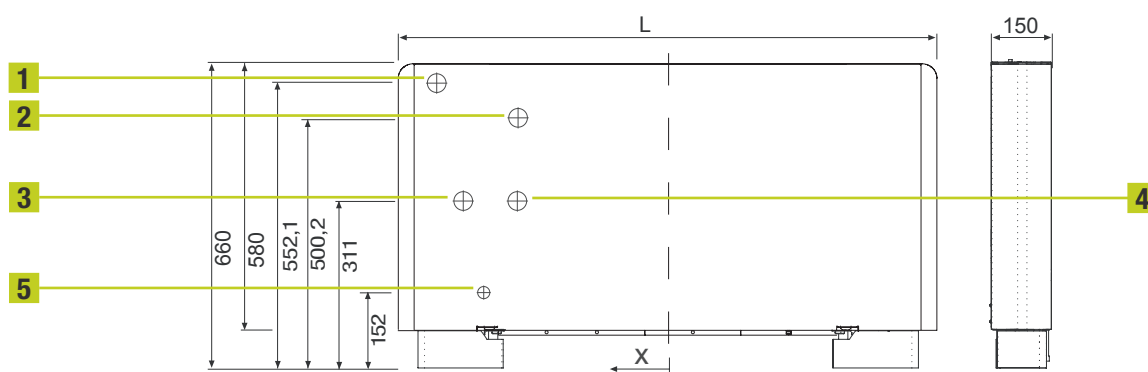
CODE	DESCRIPTION
20120559	TIVANO 23 tray kit for ceiling installation
20120560	TIVANO 45 tray kit for ceiling installation
20120562	TIVANO 64 tray kit for ceiling installation

## TIVANO

## Technical drawings and data

DESCRIPTION	TIVANO 23 / R23	TIVANO 45 / R45	TIVANO 64 / R64	TIVANO 76 / R76	TIVANO 94 / R94	UOM
<b>Dimensions</b>						
Width	723	923	1123	1323	1523	mm
<b>Weight</b>						
Net weight	17	20	23	26	29	kg
<b>HYDRAULIC CONNECTIONS - DISTANCE FROM MIDPOINT (X DISTANCE) - IN CASE OF WALL PIPES</b>						
1- Inlet for 3-way diverter valve installation (with spacer connection)	191	377	543	678	763	m <sup>3</sup> /h
2- Inlet for 2-way valve installation (with 90° connection)	157	310	447	559	629	m <sup>3</sup> /h
3- Outlet via 3-way valve	111	247	360	444	484	m <sup>3</sup> /h
4- Outlet via 2-way valve	54	153	246	366	422	m <sup>3</sup> /h
5- Condensate drain	10	10	13	13	13	bar
<b>CLEARANCE</b>						
A	140	140	140	140	140	mm
B	80	80	80	80	80	mm
C	20	20	20	20	20	mm
D	20	20	20	20	20	mm
E	400	400	400	400	400	mm
F	2500	2500	2500	2500	2500	mm

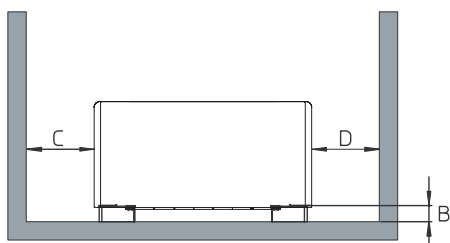
## TIVANO - TIVANO R



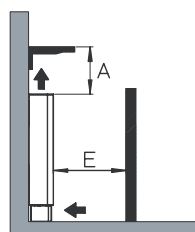
## KEY:

- |  |  |
|--|--|
| <p><b>1</b> Inlet for 3-ways diverter valve installation with spacer connection (using code 20116489 and code 20116505)</p> <p><b>2</b> Inlet for 2-ways valve installation with 90° connection (using code 20116486 with code 20116503 or code 20116493 with code 20116503)</p> | <p><b>3</b> Outlet via 3-ways valve</p> <p><b>4</b> Outlet via 2-ways valve</p> <p><b>5</b> Condensate drain</p> |
|--|--|

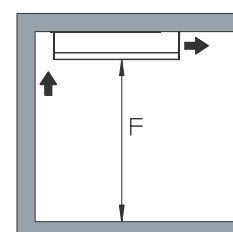
## WALL-MOUNTED INSTALLATION



## WALL-MOUNTED INSTALLATION



## CEILING INSTALLATION



## Technical data

DESCRIPTION and MODELS	U.O.M.	TIVANO 23 / R 23	TIVANO 45 / R 45	TIVANO 64 / R 64	TIVANO 76 / R 76	TIVANO 94 / R 94
PERFORMANCE						
Total cooling capacity (a)	W	1062	2056	3211	3759	4423
Sensible cooling capacity	W	829	1562	2517	2997	3565
Water flow rate	l/h	183	354	552	647	761
Water losses	kPa	7.6	8.4	23.0	18.3	24.8
Heating capacity with 50°C inlet water (b)	W	1387	2720	3827	4572	5591
Water flow rate (50 °C water inlet)	l/h	185	357	558	653	769
Water losses (50 °C water inlet)	kPa	6.3	7.0	17.5	14.5	19.2
Heating capacity with 70°C water inlet (c)	W	2347	4530	6436	7619	9356
Water flow rate (70°C Δt 10)	l/h	202	390	553	655	805
Water losses (70°C Δt 10)	kPa	6.9	7.5	16.1	13.5	19.4
Cooling capacity without ventilation (70°C Δt 10)	W	322	379	447	563	690
HYDRAULIC FEATURES						
Water coil content	litres	0.47	0.8	1.13	1.46	1.8
Maximum operating pressure	bar	10	10	10	10	10
Hydraulic connections	inches	eurokonus 3/4				
AERAILIC DATA						
Airflow at “Performance” (d)	m³/h	191(*)	377(*)	543(*)	678(*)	763(*)
Airflow at medium speed (AUTO mode)	m³/h	111(*)	247(*)	360(*)	444(*)	484(*)
Airflow at minimum ventilation speed	m³/h	54(*)	153(*)	246(*)	366(*)	422(*)
Maximum static pressure available	Pa	10	10	13	13	13
ELECTRICAL DATA						
Power supply	V/ph/Hz	230/1/50				
Maximum power consumption (e)	W	15.1	23.2	26.4	36	40.3
Maximum current input (e)	A	0.14	0.21	0.24	0.35	0.38
Absorbed power at minimum speed	W	6	12	14	18	19
SOUND LEVEL						
Sound pressure at “Performance” (g)	dB(A)	43.6	44.5	46.9	47.5	48.7
Sound pressure at medium airflow (g)	dB(A)	34.4	35.3	35.7	36.2	38.9
Sound pressure at minimum airflow (g)	dB(A)	25.3	26.5	26.6	27.4	28.7
Sound pressure at temperature ‘setpoint’ (g)	dB(A)	19.8	20.5	23.3	23.8	24.7

(a) Coil inlet water temperature 7°C, coil outlet water temperature 12°C, air temperature 27°C d.b. and 19°C w.b. (UNI EN 1397).

(b) Coil inlet water temperature 50°C, water flow rate as in cooling, air temperature 20°C (UNI EN 1397).

(c) Coil inlet water temperature 70°C, coil outlet water temperature 60°C, air temperature 20°C.

(d) Air flow rate measured with clean filters.

(e) With the maximum number of revolutions.

(g) Sound pressure measured in semi-anechoic chamber according to ISO 7779.

(\*) Cooling Airflow data.

Concerning Heating Airflow, it is 20 m³/h higher on the model 23 and 40 m³/h higher on all other models, at every speed.

SYSTEM  
COMPLEMENTARY ITEMS



THERMOSTAT AND  
CHRONOTHERMOSTAT

290

HEAT-EXCHANGERS

295



## Hi, Comfort T100 Wi-Fi



- Control with backlit display to manage your domestic comfort, even remotely with Smartphone and Tablet
- **Innovative and easy-to-use app**
- **Quick commissioning of the app through guided procedure**
- Connection to home ADSL Wi-Fi router for Internet access (wi-fi module available)
- Remote control of Beretta boilers in evolved modulating way and of all boilers in ON/OFF
- Modulating chrono-thermostat for evolved control (0.5 °C range) of Beretta boilers
- Universal ON/OFF chrono-thermostat for control of all boilers
- **Management of up to 8 independent mixed zones**
- Versatile communication: ON/OFF and OTBus wired and wireless
- Cooling mode available
- Room temperature modification from + 3°C to + 35°C with 0,2°C increments
- **Weekly time scheduling in 30 minutes intervals (even through APP)**
- Direct room temperature reading and internet based external temperature
- **Functioning mode: auto, manual, party, holiday, summer**
- Three changeable temperature levels: comfort, setback and anti-frost
- Battery status indicator
- Supplied with: batteries 1,5V TIPO AA, bi-adhesive tape, screws, anchors, double-sided tape, wall-mounted plate

### Wi-Fi Remote Controls and Chronothermostats

CODE	MODEL	FUNCTIONS	DIMENSIONS H x L x P (mm)	CLASS - CONTRIBUTION ErP
20193354	Hi, Comfort T100 Wi-Fi	Universal Chrono-thermostat ON/OFF (*) - Modulating (**) - Wi-Fi remote control	89 x 135 x 28	VI-4% (*); I-1% (**)
20193352	Hi, Comfort T100	Universal Chrono-thermostat ON/OFF (*) - Modulating (**) - Remote control	89 x 135 x 28	V-3%(*); I-1% (**)
20193355	Hi, Comfort G100-W	Gateway for Internet access	83 x 83 x 18	V-3%(*); I-1% (**)
20193356	Hi, Comfort G100-R	Radio receiver to be connected to boiler	83 x 83 x 18	-
20164477	Interface board ITRF11	Interface board to connect Hi, Comfort to Exclusive Boiler Green	-	-

(1) With Hi, Comfort G100-W for internet connection through home ADSL Wi-Fi router.

(2) For wired connection to boiler. Available with radio based connection with Hi, Comfort G100-W cod. 20193355 for internet connection through home ADSL Wi-Fi router.






(3) With boilers Exclusive Boiler Green and Exclusive CAI article number 20164477 "Interface board ITRF11" is required (only when OTBus is implemented).

(\*) With BUS connection.

(\*\*) With ON/OFF connection.

## Hi, Comfort T100 Wi-Fi

### Specific accessories

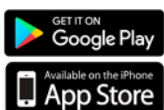
CODE	DRAWING	DESCRIPTION
20193354		<b>Hi, Comfort T100 Wi-fi</b> Complete KIT for wi-fi installation, containing a room control Hi, Comfort T100 and gateway Hi, Comfort G100-W. Package includes batteries, wires, transformer, screws, anchors, double-sided tape, magnetic tape and technical instructions. Class-ErP grant: VI-4% (*); I-1% (**).
20193352		<b>Hi, Comfort T100</b> Room thermostat Hi, Comfort T100 ideal for replacement and new buildings, both for single zone and for multi-zones application. Hi, Comfort T100 can be connected to the internet coupled with Hi, Comfort G100-W (optional). Package includes batteries, screws, anchors, double-sided tape and technical instructions. Class-ErP grant: V-3% (*); I-1% (**).
20193355		<b>Hi, Comfort G100-W</b> Hi, Comfort G100-W is the device permitting internet connection through domestic Wi-Fi net. It allows as well OT connection with the boiler for remote advanced control. Package includes wires, transformer, double-sided tape.
20193356		<b>Hi, Comfort G100-R</b> Radio-frequency based device allowing wireless connection of control Hi, Comfort T100 to the boiler (both ON-OFF and through OTBus). It can be used as well when weakness of Wi-Fi signal preclude to install Hi, Comfort G100-W close to the boiler.
20164477		<b>Board interface ITRF11</b> Interface Board used to connect Hi, Comfort to boilers Exclusive Boiler Green e Exclusive CAI. To be used only with OTBus connection; For operation in ON/OFF mode it is not required.

(\*) With BUS connection.

(\*\*) With ON/OFF connection.



## Hi, Comfort K100



- Remote control
- **Multi-user management**
- **Monitoring of operating times**
- **Next generation app**
- **Simple installation**
- Special functions for DHW management
- Geofencing
- Possibility to manage several homes

### Hi, Comfort K100 smart key

CODE	MODEL	DIMENSIONS
		H x L x P (mm)
20168501	Hi, Comfort K100	14,6 x 86,8 x 34

NOTE: available from the second quarter of 2022.



- 7-day programmable room thermostat (in 60-minutes steps).
- Built-in heating programme.
- **3°C ÷ 35°C selectable temperature range with 0.2°C increments.**
- 4 modes of operation: auto, advance, off, party.
- 3-temperature selections – comfort, economy, frost.
- Display boiler 'ON'.
- Selectable ON/OFF hysteresis.
- Low battery indicator.
- Summer function for cooling mode (separator relay needed).
- Included in the package: 1.5V batteries (type AAA), screws and wall plugs, double side adhesive.

**Additional features on Alpha 7D Wireless**

- Wireless for a flexible installation (pre-cabled).
- 40-metre range.
- Receiver can be mounted to wall (screws and plugs included) or mounted to the side of the boiler (magnetic strips included).

**7-day programmable room thermostat**

CODE	MODEL	TYPE	CLASS ErP CONTRIBUTION	DIMENSIONS H x W x D (mm)
20063872	ALPHA 7D	7-day digital room-thermostat	I - 1%	86 x 86 x 20
20101748	ALPHA 7D WIRELESS	7-day digital room-thermostat wireless	I - 1%	86 x 86 x 20

**ALPHA DGT / ALPHA DGT WIRELESS**

- Digital room thermostat.
- **5°C ÷ 35°C selectable temperature range with 0.2°C increments.**
- Easy to read digital display.
- Tactile and easy to rotate selector dial.
- Simple installation.
- Selectable ON/OFF hysteresis.
- Included in the package: 1.5V batteries (type AAA), screws and wall plugs, double side adhesive.

**Additional features on Alpha DGT Wireless**

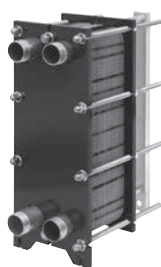
- Wireless for a flexible installation (pre-cabled).
- 40-metre range.
- Receiver can be mounted to wall (screws and plugs included) or mounted to the side of the boiler (magnetic strips included).

**Digital room thermostat**

CODE	MODEL	TYPE	CLASS ErP CONTRIBUTION	DIMENSIONS H x W x D (mm)
20059639	ALPHA DGT	Digital room-thermostat	I - 1%	86 x 86 x 20
20059641	ALPHA DGT WIRELESS	Digital room-thermostat wireless	I - 1%	86 x 86 x 20



## SP - INSPECTABLE PLATE HEAT EXCHANGER



- AISI 316L stainless steel gasket plate heat exchangers
- NBR and EPDM gasket versions
- AISI 316L stainless steel thread connections
- Maximum operating temperature: 110 °C
- Maximum operating pressure: 10 bar

## Plate exchangers DN 50 - 65 - 100

CODE	MODEL	No. OF PLATES	DN	MIX %	KIT C	KIT P	WEIGHT KG
<b>HEAT-EXCHANGER AISI 316 L, WITH EPDM PEROXIDE GASKETS</b>							
20200581	SP 20-DN32 29 (29A) E	29	Rp 1" 1/4 (G-M)*	1	Kit C1	Kit P1	31,3
20200583	SP 20-DN32 41 (41A) E	41	Rp 1" 1/4 (G-M)*	1	Kit C2	Kit P1	34,7
20200584	SP 30-DN32 17 (17A) E	17	Rp 1" 1/4 (G-M)*	1	Kit C3	Kit P1	45
20200585	SP 30-DN32 27 (27A) E	27	Rp 1" 1/4 (G-M)*	1	Kit C3	Kit P1	48,7
20200586	SP 30-DN32 37 (37A) E	37	Rp 1" 1/4 (G-M)*	1	Kit C4	Kit P1	53,4
20200587	SP 30-DN32 53 (53A) E	53	Rp 1" 1/4 (G-M)*	1	Kit C5	Kit P1	61,5
20200588	SP 30-DN32 69 (69A) E	69	Rp 1" 1/4 (G-M)*	1	Kit C5	Kit P1	67,4
20200589	SP 45-DN50 21 (11) E	21	Rp 2" (G-M)*	0,5	Kit C10	Kit P2	119,7
20200590	SP 45-DN50 29 (15) E	29	Rp 2" (G-M)*	0,5	Kit C10	Kit P2	125,2
20200591	SP 45-DN50 33 (17) E	33	Rp 2" (G-M)*	0,5	Kit C10	Kit P2	128
20200592	SP 45-DN50 39 (20) E	39	Rp 2" (G-M)*	0,5	Kit C10	Kit P2	132,2
20200593	SP 45-DN50 45 (23) E	45	Rp 2" (G-M)*	0,5	Kit C11	Kit P2	140,6
20200594	SP 45-DN50 51 (26) E	51	Rp 2" (G-M)*	0,5	Kit C11	Kit P2	144,7
20200595	SP 45-DN50 61 (31) E	61	Rp 2" (G-M)*	0,5	Kit C11	Kit P2	151,6
20200596	SP 45-DN50 73 (37) E	73	Rp 2" (G-M)*	0,5	Kit C12	Kit P2	164,2
20200598	SP 50-DN65 69 (52) E	69	Rp 2" 1/2 (G-M)*	0,75	Kit C15	Kit P2	217,7
20200599	SP 50-DN65 87 (66) E	87	Rp 2" 1/2 (G-M)*	0,75	Kit C16	Kit P2	238,1
20200600	SP 50-DN65 101 (76) E	101	Rp 2" 1/2 (G-M)*	0,75	Kit C16	Kit P2	250,1
20200601	SP 60-DN100 87 (87) E	87	DN100 - PN16	1	Kit C17	Kit P3	375,7
20200602	SP 60-DN100 101 (101) E	101	DN100 - PN16	1	Kit C17	Kit P3	391,7
20200603	SP 60-DN100 115 (115) E	115	DN100 - PN16	1	Kit C18	Kit P3	431,2
20200604	SP 60-DN100 129 (129) E	129	DN100 - PN16	1	Kit C18	Kit P3	447,1
<b>PLATE HEAT-EXCHANGER AISI 316 L, WITH NBR GASKETS</b>							
20200606	SP 20-DN32 11 (11) N	11	Rp 1" 1/4 (G-M)*	1	Kit C1	Kit P1	27,1
20200607	SP 20-DN32 21 (21) N	21	Rp 1" 1/4 (G-M)*	1	Kit C1	Kit P1	29,4
20200608	SP 20-DN32 29 (29) N	29	Rp 1" 1/4 (G-M)*	1	Kit C1	Kit P1	31,2
20200609	SP 20-DN32 41 (41) N	41	Rp 1" 1/4 (G-M)*	1	Kit C2	Kit P1	34,8
20200610	SP 20-DN32 49 (49) N	49	Rp 1" 1/4 (G-M)*	1	Kit C2	Kit P1	36,6
20200611	SP 35-DN50 21 (21) N	21	Rp 2" (G-M)*	1	Kit C6	Kit P2	79,2
20200613	SP 35-DN50 27 (27) N	27	Rp 2" (G-M)*	1	Kit C6	Kit P2	81,7
20200614	SP 35-DN50 33 (33) N	33	Rp 2" (G-M)*	1	Kit C6	Kit P2	84,3
20200615	SP 35-DN50 41 (41) N	41	Rp 2" (G-M)*	1	Kit C6	Kit P2	87,7
20200616	SP 35-DN50 49 (49) N	49	Rp 2" (G-M)*	1	Kit C7	Kit P2	94,7
20200618	SP 35-DN50 53 (53) N	53	Rp 2" (G-M)*	1	Kit C7	Kit P2	96,4
20200619	SP 35-DN50 61 (61) N	61	Rp 2" (G-M)*	1	Kit C7	Kit P2	99,8
20200620	SP 35-DN50 71 (71) N	71	Rp 2" (G-M)*	1	Kit C7	Kit P2	104,1
20200621	SP 35-DN50 81 (81) N	81	Rp 2" (G-M)*	1	Kit C8	Kit P2	111,9
20200622	SP 35-DN50 89 (89) N	89	Rp 2" (G-M)*	1	Kit C8	Kit P2	115,3
20200623	SP 35-DN50 101 (101) N	101	Rp 2" (G-M)*	1	Kit C8	Kit P2	120,4
20209452	SP 35-DN50 117 (117) N	117	Rp 2" (G-M)*	1	Kit C8	Kit P2	124,1
20200624	SP 40-DN65 17 (17) N	17	Rp 2" 1/2 (G-M)*	1	Kit C13	Kit P2	102,3
20200626	SP 40-DN65 21 (21) N	21	Rp 2" 1/2 (G-M)*	1	Kit C13	Kit P2	104,7
20200628	SP 40-DN65 25 (25) N	25	Rp 2" 1/2 (G-M)*	1	Kit C13	Kit P2	107
20200631	SP 40-DN65 33 (33) N	33	Rp 2" 1/2 (G-M)*	1	Kit C13	Kit P2	111,7
20200633	SP 40-DN65 41 (41) N	41	Rp 2" 1/2 (G-M)*	1	Kit C13	Kit P2	116,4
20200635	SP 50-DN65 35 (14) N	35	Rp 2" 1/2 (G-M)*	0,4	Kit C14	Kit P2	183,6
20200637	SP 50-DN65 41 (17) N	41	Rp 2" 1/2 (G-M)*	0,4	Kit C14	Kit P2	188,7

## SP - INSPECTABLE PLATE HEAT EXCHANGER

CODE	MODEL	No. OF PLATES	DN	MIX %	KIT C	KIT P	WEIGHT KG
20200638	SP 50-DN65 45 (18) N	45	Rp 2" 1/2 (G-M)*	0,4	Kit C15	Kit P2	197,1
20200640	SP 50-DN65 51 (21) N	51	Rp 2" 1/2 (G-M)*	0,4	Kit C15	Kit P2	202,2
20200642	SP 50-DN65 55 (22) N	55	Rp 2" 1/2 (G-M)*	0,4	Kit C15	Kit P2	205,7
20200644	SP 50-DN65 61 (25) N	61	Rp 2" 1/2 (G-M)*	0,4	Kit C15	Kit P2	210,8
20200645	SP 50-DN65 65 (26) N	65	Rp 2" 1/2 (G-M)*	0,4	Kit C15	Kit P2	214,3
20200646	SP 50-DN65 71 (29) N	71	Rp 2" 1/2 (G-M)*	0,4	Kit C15	Kit P2	219,4
20200647	SP 50-DN65 79 (32) N	79	Rp 2" 1/2 (G-M)*	0,4	Kit C16	Kit P2	231,2
20200648	SP 60-DN100 41 (33) N	41	DN100 - PN16	0,8	Kit C17	Kit P3	323,7
20200658	SP 60-DN100 45 (36) N	45	DN100 - PN16	0,8	Kit C17	Kit P3	328,3
20200659	SP 60-DN100 51 (41) N	51	DN100 - PN16	0,8	Kit C17	Kit P3	335,2
20200663	SP 60-DN100 61 (49) N	61	DN100 - PN16	0,8	Kit C17	Kit P3	346,8
20200665	SP 60-DN100 67 (54) N	67	DN100 - PN16	0,8	Kit C17	Kit P3	353,7
20200667	SP 60-DN100 77 (62) N	77	DN100 - PN16	0,8	Kit C17	Kit P3	365,3
20200670	SP 60-DN100 87 (70) N	87	DN100 - PN16	0,8	Kit C17	Kit P3	376,8
20200672	SP 60-DN100 97 (78) N	97	DN100 - PN16	0,8	Kit C17	Kit P3	388,4
20200673	SP 60-DN100 109 (88) N	109	DN100 - PN16	0,8	Kit C18	Kit P3	425,7
20200674	SP 60-DN100 119 (96) N	119	DN100 - PN16	0,8	Kit C18	Kit P3	437,3
20200675	SP 60-DN100 139 (112) N	139	DN100 - PN16	0,8	Kit C18	Kit P3	460,4
20200676	SP 60-DN100 169 (136) N	169	DN100 - PN16	0,8	Kit C18	Kit P3	495
20200677	SP 60-DN100 201 (161) N	201	DN100 - PN16	0,8	Kit C18	Kit P3	532

(\*) G-M: Gas - M

Delivery time of the material if not available in stock: up to 30 working days from order validation date.

\*Mix % of high yield plates. - <sup>(1)</sup> KIT C = insulation kit - <sup>(2)</sup> KIT P = feet kit

### Connections for use with Power Max thermal module

CODE	DESCRIPTION
20132373	Connection kit for plate exchanger (DN80 on 3" collector side /DN50 on plate exchanger side) <sup>(1)</sup>
20203733	Connection kit for plate heat exchanger DN125/DN65
20132376	Connection kit for plate exchanger (DN125 on 5" collector side /DN100 on plate exchanger side) <sup>(1)</sup>

<sup>(1)</sup> Connection kit with SP exchangers. For selection of the suitable plate exchanger, please contact the pre-sales service

### Accessories for plate exchangers

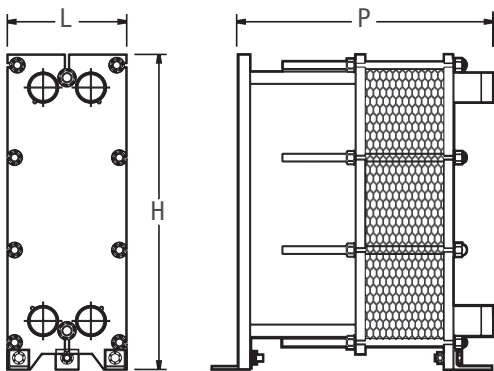
CODE	MODEL	INSULATION KIT TYPE	MODEL EXCHANGER	No. OF PLATES
20096860	Insulation kit SP 20 29	C1	20	29
20096862	Insulation kit SP 20 49	C2	20	49
20096863	Insulation kit SP 30 29	C3	30	29
20096864	Insulation kit SP 30 49	C4	30	49
20096865	Insulation kit SP 30 75	C4	30	75
20140442	Insulation kit SP 35 41	C5	35	41
20140443	Insulation kit SP 35 71	C7	35	71
20140444	Insulation kit SP 35 101	C8	35	101
20140445	Insulation kit SP 35 151	C9	35	151
20201531	Insulation kit SP 45 41	C10	45	41
20201532	Insulation kit SP 45 71	C11	45	71
20201533	Insulation kit SP 45 101	C12	45	101
20201534	Insulation kit SP 40 41	C13	40	41
20201537	Insulation kit SP 50 41	C14	50	41
20201538	Insulation kit SP 50 71	C15	50	71
20201539	Insulation kit SP 50 101	C16	50	101

SP - INSPECTABLE PLATE HEAT EXCHANGER

CODE	MODEL	INSULATION KIT TYPE	MODEL EXCHANGER	No. OF PLATES
20096918	Insulation kit SP 60 101	C17	60	101
20116198	Insulation kit SP 60 201	C18	60	201
20120282	P2 feet kit **		SP 35-40	-
20120284	P3 feet kit **		SP 60	-

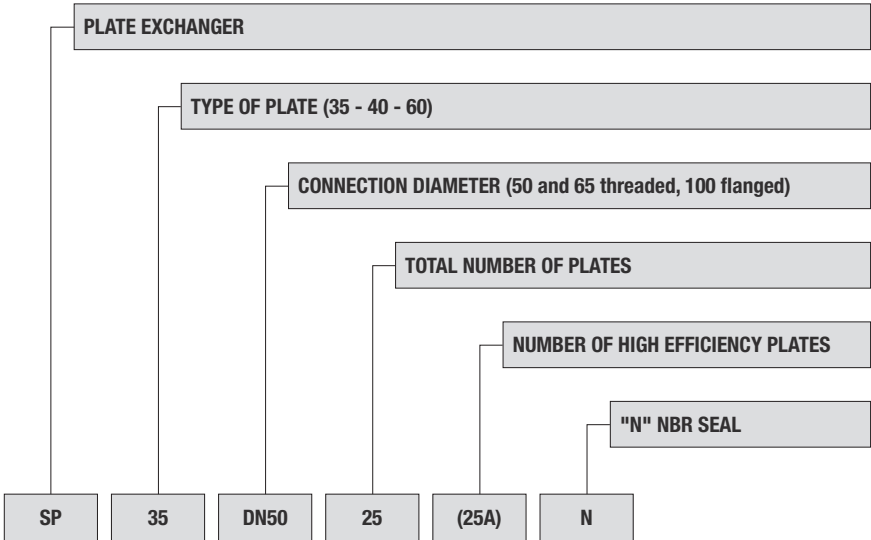
Delivery time of the material if not available in stock: up to 30 working days from order validation date.  
 \*\* Accessories to be ordered only together with the exchanger. - <sup>(1)</sup> KIT C = insulation kit - <sup>(2)</sup> KIT P = feet kit

Dimensions of SP Exchangers



COMMERCIAL NAME	No. OF PLATES from - to	H mm	L mm	P mm
SP 20	11-29	470	200	252
	41-49	470	200	352
SP 30	17-27	755	200	252
	37	755	200	352
	53-69	755	200	552
SP 35	21-41	678	310	408
	49-71	678	310	548
	81-117	678	310	688
SP 40	17-41	729	385	408
SP 45	21-39	1008	310	408
	45-61	1008	310	548
	73	1008	310	688
SP 50	35-41	992	385	408
	45-71	992	385	548
	79-101	992	385	688
SP 60	41-101	1124	509	790
	109-201	1124	509	1290

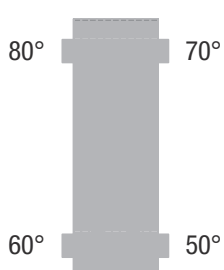
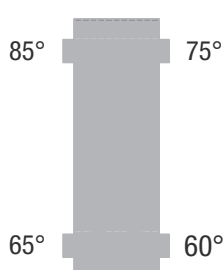
Model name



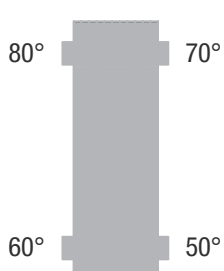
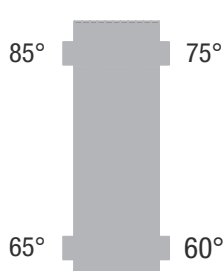
## SP - INSPECTABLE PLATE HEAT EXCHANGER

### Plate heat exchanger combinations for boiler operation with different $\Delta T$ ml

#### POWER EVO X

HIGH TEMPERATURE COMBINATIONS			 <p> <math>\Delta T</math> ml= 10 °C  <math>\Delta T</math> primary= 20 °C  <math>\Delta T</math> secondary= 20 °C  T Average secondary circuit = 60 °C </p>			 <p> <math>\Delta T</math> ml= 7,2 °C  <math>\Delta T</math> primary= 20 °C  <math>\Delta T</math> secondary= 15 °C  T Average secondary circuit = 67,5 °C </p>		
NO. OF GENERATORS IN CASCADE	MODEL	DELIVERED OUTPUT [kW]	EXCHANGER	DN	CODE	EXCHANGER	DN	CODE
2	POWER EVO-X 2x 50 DEP	70	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611
	POWER EVO-X 2x 50	90	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 27 (27) N	Rp 2" (Gas - M)	20200613
	POWER EVO-X 2x 65	110	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 33 (33) N	Rp 2" (Gas - M)	20200614
	POWER EVO-X 2x 80	140	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 33 (33) N	Rp 2" (Gas - M)	20200614
3	POWER EVO-X 3x 50 DEP	105	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 27 (27) N	Rp 2" (Gas - M)	20200613
	POWER EVO-X 3x 50	140	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 33 (33) N	Rp 2" (Gas - M)	20200614
	POWER EVO-X 3x 65	165	SP 35-DN50 27 (27) N	Rp 2" (Gas - M)	20200613	SP 35-DN50 41 (41) N	Rp 2" (Gas - M)	20200615
	POWER EVO-X 3x 80	210	SP 35-DN50 33 (33) N	Rp 2" (Gas - M)	20200614	SP 35-DN50 49 (49) N	Rp 2" (Gas - M)	20200616
4	POWER EVO-X 4x 50 DEP	140	SP 35-DN50 21 (21) N	Rp 2" (Gas - M)	20200611	SP 35-DN50 33 (33) N	Rp 2" (Gas - M)	20200614
	POWER EVO-X 4x 50	180	SP 35-DN50 27 (27) N	Rp 2" (Gas - M)	20200613	SP 35-DN50 41 (41) N	Rp 2" (Gas - M)	20200615
	POWER EVO-X 4x 65	220	SP 35-DN50 33 (33) N	Rp 2" (Gas - M)	20200614	SP 35-DN50 53 (53) N	Rp 2" (Gas - M)	20200618
	POWER EVO-X 4x 80	280	SP 35-DN50 41 (41) N	Rp 2" (Gas - M)	20200615	SP 35-DN50 61 (61) N	Rp 2" (Gas - M)	20200619

#### POWER MAX

HIGH TEMPERATURE COMBINATIONS			 <p> <math>\Delta T</math> ml= 10 °C  <math>\Delta T</math> primary= 20 °C  <math>\Delta T</math> secondary= 20 °C  T Average secondary circuit = 60 °C </p>			 <p> <math>\Delta T</math> ml= 7,2 °C  <math>\Delta T</math> primary= 20 °C  <math>\Delta T</math> secondary= 15 °C  T Average secondary circuit = 67,5 °C </p>		
NO. OF GENERATORS IN CASCADE	MODEL	DELIVERED OUTPUT [kW]	EXCHANGER	DN	CODE	EXCHANGER	DN	CODE
2	Power Max 2x 65 P	114	SP 35-DN50 21 (21) N	Rp 2" (G-M)*	20200611	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614
	Power Max 2x 80 P	136	SP 35-DN50 21 (21) N	Rp 2" (G-M)*	20200611	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614
	Power Max 2x 100	180	SP 35-DN50 27 (27) N	Rp 2" (G-M)*	20200613	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616
	Power Max 2x 110	194	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616
	Power Max 2x 130 (115 Hi)	224	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614	SP 35-DN50 53 (53) N	Rp 2" (G-M)*	20200618
	Power Max 2x 150	262	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619

# SP - INSPECTABLE PLATE HEAT EXCHANGER

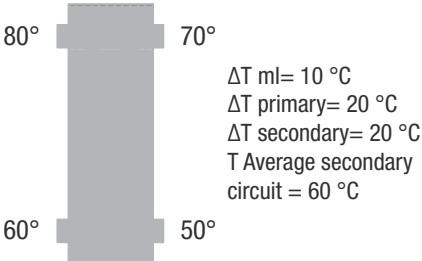
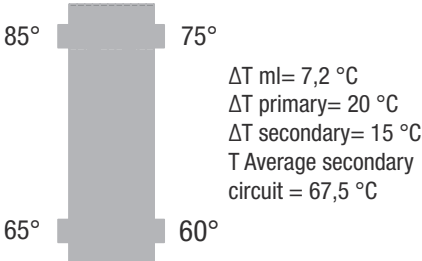
## POWER MAX

HIGH TEMPERATURE COMBINATIONS			<p> <math>\Delta T_{ml} = 10\text{ }^{\circ}\text{C}</math>  <math>\Delta T_{\text{primary}} = 20\text{ }^{\circ}\text{C}</math>  <math>\Delta T_{\text{secondary}} = 20\text{ }^{\circ}\text{C}</math>  <math>T_{\text{Average secondary circuit}} = 60\text{ }^{\circ}\text{C}</math> </p>			<p> <math>\Delta T_{ml} = 7,2\text{ }^{\circ}\text{C}</math>  <math>\Delta T_{\text{primary}} = 20\text{ }^{\circ}\text{C}</math>  <math>\Delta T_{\text{secondary}} = 15\text{ }^{\circ}\text{C}</math>  <math>T_{\text{Average secondary circuit}} = 67,5\text{ }^{\circ}\text{C}</math> </p>		
NO. OF GENERATORS IN CASCADE	MODEL	DELIVERED OUTPUT [kW]	EXCHANGER	DN	CODE	EXCHANGER	DN	CODE
3	Power Max 3x 65 P	171	SP 35-DN50 27 (27) N	Rp 2" (G-M)*	20200613	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615
	Power Max 3x 80 P	204	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616
	Power Max 3x 100	270	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619
	Power Max 3x 110	291	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 71 (71) N	Rp 2" (G-M)*	20200620
	Power Max 3x 130 (115 Hi)	336	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616	SP 35-DN50 81 (81) N	Rp 2" (G-M)*	20200621
4	Power Max 3x 150	393	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 89 (89) N	Rp 2" (G-M)*	20200622
	Power Max 4x 65 P	228	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614	SP 35-DN50 53 (53) N	Rp 2" (G-M)*	20200618
	Power Max 4x 80 P	272	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619
	Power Max 4x 100	360	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616	SP 35-DN50 81 (81) N	Rp 2" (G-M)*	20200621
	Power Max 4x 110	388	SP 35-DN50 53 (53) N	Rp 2" (G-M)*	20200618	SP 35-DN50 89 (89) N	Rp 2" (G-M)*	20200622
5	Power Max 4x 130 (115 Hi)	448	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 101 (101) N	Rp 2" (G-M)*	20200623
	Power Max 4x 150	524	SP 50-DN65 35 (14) N	Rp 2" 1/2 (G-M)*	20200635	SP 50-DN65 55 (22) N	Rp 2" 1/2 (G-M)*	20200642
	Power Max 5x 65 P	285	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 71 (71) N	Rp 2" (G-M)*	20200620
	Power Max 5x 80 P	340	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616	SP 35-DN50 81 (81) N	Rp 2" (G-M)*	20200621
	Power Max 5x 100	450	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 101 (101) N	Rp 2" (G-M)*	20200623
6	Power Max 5x 110	485	SP 35-DN50 71 (71) N	Rp 2" (G-M)*	20200620	SP 35-DN50 101 (101) N	Rp 2" (G-M)*	20200623
	Power Max 5x 130 (115 Hi)	560	SP 50-DN65 41 (17) N	Rp 2" (G-M)*	20200637	SP 50-DN65 55 (22) N	Rp 2" 1/2 (G-M)*	20200642
	Power Max 5x 150	655	SP 50-DN65 45 (18) N	Rp 2" (G-M)*	20200638	SP 50-DN65 65 (26) N	Rp 2" 1/2 (G-M)*	20200645
	Power Max 6x 65 P	342	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616	SP 35-DN50 81 (81) N	Rp 2" (G-M)*	20200621
	Power Max 6x 80 P	408	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 89 (89) N	Rp 2" (G-M)*	20200622
7	Power Max 6x 100	540	SP 50-DN65 35 (14) N	Rp 2" 1/2 (G-M)*	20200635	SP 50-DN65 55 (22) N	Rp 2" 1/2 (G-M)*	20200642
	Power Max 6x 110	582	SP 50-DN65 41 (17) N	Rp 2" 1/2 (G-M)*	20200637	SP 50-DN65 61 (25) N	Rp 2" 1/2 (G-M)*	20200644
	Power Max 6x 130 (115 Hi)	672	SP 50-DN65 45 (18) N	Rp 2" 1/2 (G-M)*	20200638	SP 50-DN65 65 (26) N	Rp 2" 1/2 (G-M)*	20200645
	Power Max 6x 150	786	SP 50-DN65 51 (21) N	Rp 2" 1/2 (G-M)*	20200640	SP 50-DN65 79 (32) N	Rp 2" 1/2 (G-M)*	20200647
	Power Max 7x 65 P	399	SP 35-DN50 53 (53) N	Rp 2" (G-M)*	20200618	SP 35-DN50 89 (89) N	Rp 2" (G-M)*	20200622
8	Power Max 7x 80 P	476	SP 35-DN50 71 (71) N	Rp 2" (G-M)*	20200620	SP 35-DN50 101 (101) N	Rp 2" (G-M)*	20200623
	Power Max 7x 100	630	SP 50-DN65 41 (17) N	Rp 2" 1/2 (G-M)*	20200637	SP 50-DN65 65 (26) N	Rp 2" 1/2 (G-M)*	20200645
	Power Max 7x 110	679	SP 50-DN65 45 (18) N	Rp 2" 1/2 (G-M)*	20200638	SP 50-DN65 71 (29) N	Rp 2" 1/2 (G-M)*	20200646
	Power Max 7x 130 (115 Hi)	784	SP 50-DN65 51 (21) N	Rp 2" 1/2 (G-M)*	20200640	SP 50-DN65 79 (32) N	Rp 2" 1/2 (G-M)*	20200647
	Power Max 7x 150	917	SP 60-DN100 45 (36) N	DN100 - PN16	20200658	SP 60-DN100 67 (54) N	DN100 - PN16	20200665
9	Power Max 8x 65 P	456	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 101 (101) N	Rp 2" (G-M)*	20200623
	Power Max 8x 80 P	544	SP 50-DN65 35 (14) N	Rp 2" 1/2 (G-M)*	20200635	SP 50-DN65 55 (22) N	Rp 2" 1/2 (G-M)*	20200642
	Power Max 8x 100	720	SP 50-DN65 51 (21) N	Rp 2" 1/2 (G-M)*	20200640	SP 50-DN65 71 (29) N	Rp 2" 1/2 (G-M)*	20200646
	Power Max 8x 110	776	SP 50-DN65 55 (22) N	Rp 2" 1/2 (G-M)*	20200642	SP 50-DN65 79 (32) N	Rp 2" 1/2 (G-M)*	20200647
	Power Max 8x 130 (115 Hi)	896	SP 60-DN100 45 (36) N	DN100 - PN16	20200658	SP 60-DN100 67 (54) N	DN100 - PN16	20200665
10	Power Max 8x 150	1048	SP 60-DN100 51 (41) N	DN100 - PN16	20200659	SP 60-DN100 77 (62) N	DN100 - PN16	20200667
	Power Max 9x 65 P	513	SP 50-DN65 35 (14) N	Rp 2" 1/2 (G-M)*	20200635	SP 50-DN65 51 (21) N	Rp 2" 1/2 (G-M)*	20200640
	Power Max 9x 80 P	612	SP 50-DN65 41 (17) N	Rp 2" 1/2 (G-M)*	20200637	SP 50-DN65 61 (25) N	Rp 2" 1/2 (G-M)*	20200644
	Power Max 9x 100	810	SP 60-DN100 41 (33) N	DN100 - PN16	20200648	SP 60-DN100 61 (49) N	DN100 - PN16	20200663
	Power Max 9x 110	873	SP 60-DN100 45 (36) N	DN100 - PN16	20200658	SP 60-DN100 67 (54) N	DN100 - PN16	20200665
10	Power Max 9x 130 (115 Hi)	1008	SP 60-DN100 51 (41) N	DN100 - PN16	20200659	SP 60-DN100 77 (62) N	DN100 - PN16	20200667
	Power Max 10x 65 P	570	SP 50-DN65 41 (17) N	Rp 2" 1/2 (G-M)*	20200637	SP 50-DN65 61 (25) N	Rp 2" 1/2 (G-M)*	20200644
	Power Max 10x 80 P	680	SP 50-DN65 45 (18) N	Rp 2" 1/2 (G-M)*	20200638	SP 50-DN65 71 (29) N	Rp 2" 1/2 (G-M)*	20200646
	Power Max 10x 100	900	SP 60-DN100 45 (36) N	DN100 - PN16	20200658	SP 60-DN100 67 (54) N	DN100 - PN16	20200665
10	Power Max 10x 110	970	SP 60-DN100 51 (41) N	DN100 - PN16	20200659	SP 60-DN100 77 (62) N	DN100 - PN16	20200667
	Power Max 10x 130 (115 Hi)	1120	SP 60-DN100 61 (49) N	DN100 - PN16	20200663	SP 60-DN100 87 (70) N	DN100 - PN16	20200670

(\*) G-M: Gas - M

## SP - INSPECTABLE PLATE HEAT EXCHANGER

### POWER MAX BOX

HIGH TEMPERATURE COMBINATIONS								
NO. OF GENERATORS IN CASCADE	MODEL	DELIVERED OUTPUT [kW]	EXCHANGER	DN	CODE	EXCHANGER	DN	CODE
1	POWER MAX BOX 130-2 P	114	SP 35-DN50 21 (21) N	Rp 2" (G-M)*	20200611	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614
	POWER MAX BOX 160-2 P	136	SP 35-DN50 21 (21) N	Rp 2" (G-M)*	20200611	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614
	POWER MAX BOX 200-2 P	180	SP 35-DN50 27 (27) N	Rp 2" (G-M)*	20200613	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616
	POWER MAX BOX 260-2 P	224	SP 35-DN50 33 (33) N	Rp 2" (G-M)*	20200614	SP 35-DN50 53 (53) N	Rp 2" (G-M)*	20200618
	POWER MAX BOX 300-2 P	262	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619
	POWER MAX BOX 330-3 P	291	SP 35-DN50 41 (41) N	Rp 2" (G-M)*	20200615	SP 35-DN50 71 (71) N	Rp 2" (G-M)*	20200620
	POWER MAX BOX 390-3 P	336	SP 35-DN50 49 (49) N	Rp 2" (G-M)*	20200616	SP 35-DN50 81 (81) N	Rp 2" (G-M)*	20200621
	POWER MAX BOX 450-3 P	393	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 89 (89) N	Rp 2" (G-M)*	20200622
	POWER MAX BOX 520-4 P	448	SP 35-DN50 61 (61) N	Rp 2" (G-M)*	20200619	SP 35-DN50 101 (101) N	Rp 2" (G-M)*	20200623
2	POWER MAX BOX 600-4 P	524	SP 50-DN65 35 (14) N	Rp 2" 1/2 (G-M)*	20200635	SP 50-DN65 55 (22) N	Rp 2" 1/2 (G-M)*	20200642
	POWER MAX BOX 750	655	SP 50-DN65 45 (18) N	Rp 2" 1/2 (G-M)*	20200638	SP 50-DN65 65 (26) N	Rp 2" 1/2 (G-M)*	20200645
	POWER MAX BOX 900	786	SP 50-DN65 51 (21) N	Rp 2" 1/2 (G-M)*	20200640	SP 50-DN65 79 (32) N	Rp 2" 1/2 (G-M)*	20200647
	POWER MAX BOX 1050	917	SP 60-DN100 45 (36) N	DN100 - PN16	20200658	SP 60-DN100 67 (54) N	DN100 - PN16	20200665
3	POWER MAX BOX 1200	1048	SP 60-DN100 51 (41) N	DN100 - PN16	20200659	SP 60-DN100 77 (62) N	DN100 - PN16	20200667
	POWER MAX BOX 1350	1179	SP 60-DN100 61 (49) N	DN100 - PN16	20200663	SP 60-DN100 87 (70) N	DN100 - PN16	20200670
	POWER MAX BOX 1500	1310	SP 60-DN100 67 (54) N	DN100 - PN16	20200665	SP 60-DN100 97 (78) N	DN100 - PN16	20200672

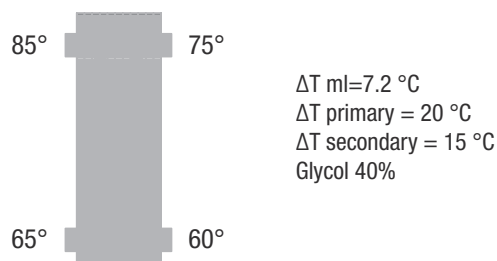
(\*) G-M: Gas - M

## SP - INSPECTABLE PLATE HEAT EXCHANGER

### POWER MAX BOX

Plate heat exchanger combinations for boiler operation with a mixture of water and glycol (max 40%)\*

HIGH TEMPERATURE COMBINATIONS



NO. OF GENERATORS IN CASCADE	MODEL	DELIVERED OUTPUT [kW]	EXCHANGER	DN	CODE
1	POWER MAX BOX 130-2 P	114	SP 45-DN50 21 (11) E	Rp 2" (G-M)*	20200589
	POWER MAX BOX 160-2 P	136	SP 45-DN50 29 (15) E	Rp 2" (G-M)*	20200590
	POWER MAX BOX 200-2 P	180	SP 45-DN50 29 (15) E	Rp 2" (G-M)*	20200590
	POWER MAX BOX 260-2 P	224	SP 45-DN50 33 (17) E	Rp 2" (G-M)*	20200591
	POWER MAX BOX 300-2 P	262	SP 45-DN50 39 (20) E	Rp 2" (G-M)*	20200592
	POWER MAX BOX 330-3 P	291	SP 45-DN50 45 (23) E	Rp 2" (G-M)*	20200593
	POWER MAX BOX 390-3 P	336	SP 45-DN50 51 (26) E	Rp 2" (G-M)*	20200594
	POWER MAX BOX 450-3 P	393	SP 45-DN50 61 (31) E	Rp 2" (G-M)*	20200595
	POWER MAX BOX 520-4 P	448	SP 45-DN50 73 (37) E	Rp 2" (G-M)*	20200596
	POWER MAX BOX 600-4 P	524	SP 50-DN65 69 (52) E	Rp 2" 1/2 (G-M)*	20200598
2	POWER MAX BOX 750	655	SP 50-DN65 87 (66) E	Rp 2" 1/2 (G-M)*	20200599
	POWER MAX BOX 900	786	SP 50-DN65 101 (76) E	Rp 2" 1/2 (G-M)*	20200600
	POWER MAX BOX 1050	917	SP 60-DN100 87 (87) E	DN100 - PN16	20200601
	POWER MAX BOX 1200	1048	SP 60-DN100 101 (101) E	DN100 - PN16	20200602
3	POWER MAX BOX 1350	1179	SP 60-DN100 115 (115) E	DN100 - PN16	20200603
	POWER MAX BOX 1500	1310	SP 60-DN100 129 (129) E	DN100 - PN16	20200604

(\*) G-M: Gas - M

## PALLET CONFIGURATION AND KEY

### Wall-hung condensing boilers

METEO GREEN	6-piece pallet
METEO GREEN BOX	6-piece pallet
EXCLUSIVE X 25	6-piece pallet
EXCLUSIVE X 30-35	4-piece pallet
EXCLUSIVE BOILER GREEN HE	2-piece pallet
MYNUTE RAIN GREEN	6-piece pallet
MYNUTE X 20 - 25	6-piece pallet
MYNUTE X 30 - 35	4-piece pallet
MYNUTE X BOX	6-piece pallet
CIAO X	6-piece pallet
MYNUTE E	6-piece pallet
CIAO GREEN	8-piece pallet
MYNUTE BOILER GREEN	2-piece pallet
CIAO AT	8-piece pallet
MYNUTE GREEN	4-piece pallet

### Condensing boiler base

TOWER GREEN HE HYBRID	1-piece pallet
TOWER GREEN HE S	1-piece pallet
TOWER GREEN HE	1-piece pallet
TOWER GREEN COMPACT	1-piece pallet

### Standard wall-hung boilers

METEO C.A.I. LX	6-piece pallet
MYNUTE C.A.I. LX	6-piece pallet
CIAO C.A.I. LX	6-piece pallet

### Water heaters / DHW heat pumps

HP-E 260	1-piece pallet
ACQUAZENIT	1-piece pallet
IDRABAGNO 11 - 13	12-piece pallet
IDRABAGNO 17	6-piece pallet
IDRABALCONY	6-piece pallet
FONTE LX	12-piece pallet

### Type of gas

MTN	Methane
GPL	Liquid gas

### Wall-hung boiler and Base

R.A.I.	Heating open ionised
R.S.I.	Heating condensing
R	Heating condensing
C.A.I.	Combi open ionised
C.S.I.	Combi condensing
C	Combi condensing
B.A.I.	Storage cylinder open ionised
B.S.I.	Storage cylinder condensing
AG	Anti-freeze kit as standard
HE	High-efficiency
X	Stainless steel heat exchanger

### Water heaters

FONTE	Open ionised coil
IDRABAGNO	Watertight ionised

## CERTIFIED BOILERS AND WATER HEATERS



NOTES: These technical data are approximate; for the true values, refer to the technical datasheets.









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PRODUCT CATALOG

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