



# Exclusive

Standard Efficiency Wall-Hung Boilers

Residential Heating



EXCLUSIVE



# Exclusive



- EXCLUSIVE represents **Beretta top of the range** wall-hung boiler. Its **wide offer** includes both room-sealed models, with outputs of 26, 30 and 35kW (combi and only heating versions), and conventional flue models, with outputs of 24 and 28kW (combi and only heating versions).
- **Efficiency ★★★**, the highest according to European Directive EEC 92/42, on room-sealed models (C.S.I. and R.S.I.).
- Exclusive **MIX system**: continuous electronic air/gas modulation, ensuring high efficiency in any operation mode (on room-sealed models: C.S.I. and R.S.I.).
- “Survivor” function in DHW mode, allowing the boiler, in the event of failure of the DHW NTC probe, to continue to operate.
- Reduced waiting time for DHW supply thanks to **pre-heating function** (on combi models).
- Clever and intuitive control panel with backlit display.
- **S.A.R.A. and S.A.R.A. Booster systems**: automatic temperature control in heating mode (see dedicated section).
- Built-in climatic thermoregulation that can be activated through the external probe (as option) for a high comfort level inside the house.
- 3-speed circulator with 5 metres head (6 metres head on the 35 kW model).
- Electrical protection IPX5D.
- Hydraulic connections, gas and DHW taps supplied as standard.
- EXCLUSIVE can be converted to LPG through specific LPG kit (as option).
- The **lower connections cover, supplied as standard**, allows to hide hydraulic connections, ensuring a tidy installation.



Flame detector



“Survivor” function



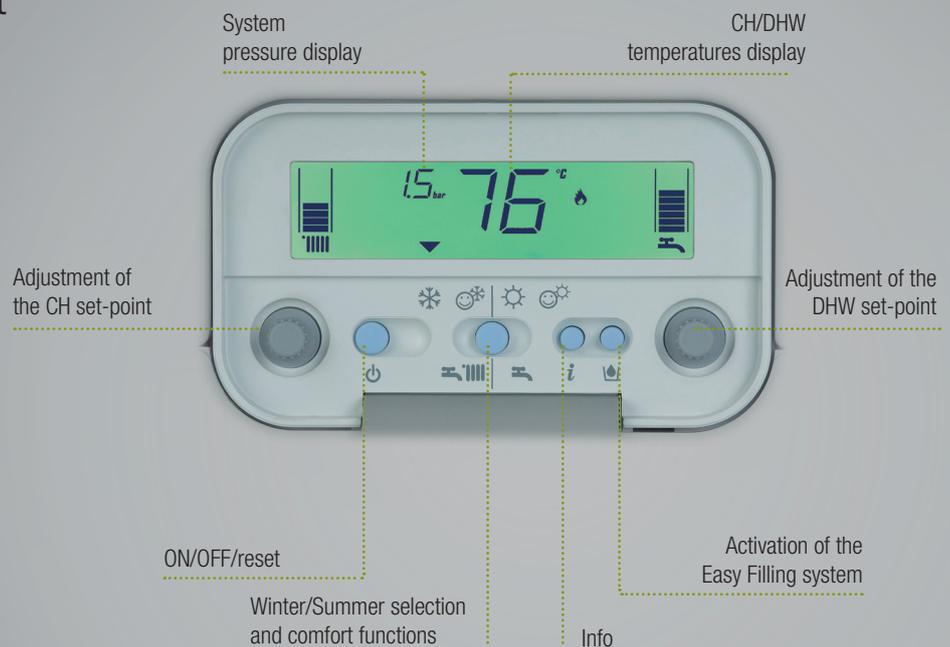
Circulator anti-blocking cycles



Electrical protection IPX5D

## The simplicity of comfort

EXCLUSIVE is characterized by an essential and stylish design. The control panel is located under a modern flap from which appears a wide LCD display that shows all information about the boiler status. By simply rotating two knobs, it is possible to set CH and DHW temperatures. By simply pushing a button, you can choose your comfort level and activate the Easy Filling system, when the boiler requires it. The control panel also integrates the thermoregulation function (external probe as option).



Note: this display refers to combi models

## Maximum comfort for all climate conditions

### combi models



Winter

Central heating ON and domestic hot water activated.

In this mode **S.A.R.A.** system (Automatic Temperature Control) can be enabled by positioning the water temperature between 55°C and 65°C.

This setting is recommended in spring and autumn, or in areas or periods in which winter is not hard.



Winter  
comfort

Faster heating and domestic hot water. In this mode **S.A.R.A. Booster** system (Automatic Temperature Control) is enabled. The **domestic hot water Pre-heating** function is activated, thus allowing a quicker DHW delivery.

This setting is recommended in cold areas, or during the hard winter periods.



Summer

Central heating OFF and domestic hot water activated.



Summer  
comfort

Central heating OFF and **optimum stabilization of DHW temperature.** The burner is continuously kept on at the minimum power during the small DHW demands, avoiding in this way that the burner switches off every time when the domestic water from the net is slightly warm. This feature allows an optimum temperature stabilization of DHW.

### only heating models



Winter

Central heating ON (domestic hot water available only if an external tank is connected).

In this mode **S.A.R.A. Booster** system (Automatic Temperature Control) is activated.



Summer

Central heating OFF (domestic hot water available only if an external tank is connected).



## Easy Filling

On combi models is activated the innovative Easy Filling system:

### New

The first boiler with a new semi-automatic filling system.

### Safe

Thanks to a double control of the pressure, the filling is automatically stopped if it detects any leak in the system, so as not to worsen the loss.

### Smart

It alerts you when you need to fill the system before the pressure drops below the lockout level.

### Easy

Filling the system has never been so simple: one push of the button is enough.

On only heating models, filling is done through an external tap.

## S.A.R.A. and S.A.R.A. Booster systems

S.A.R.A. and S.A.R.A. Booster systems (Automatic Temperature Control), patented by Beretta, are designed to provide a high comfort level in the central heating mode, allowing you to reach the desired room temperature more rapidly.

When there is a demand for heating, the appliance will automatically raise the heating flow temperature **every 20 minutes with S.A.R.A.** or **every 10 minutes with S.A.R.A. Booster**, by 5 °C steps (see diagram).

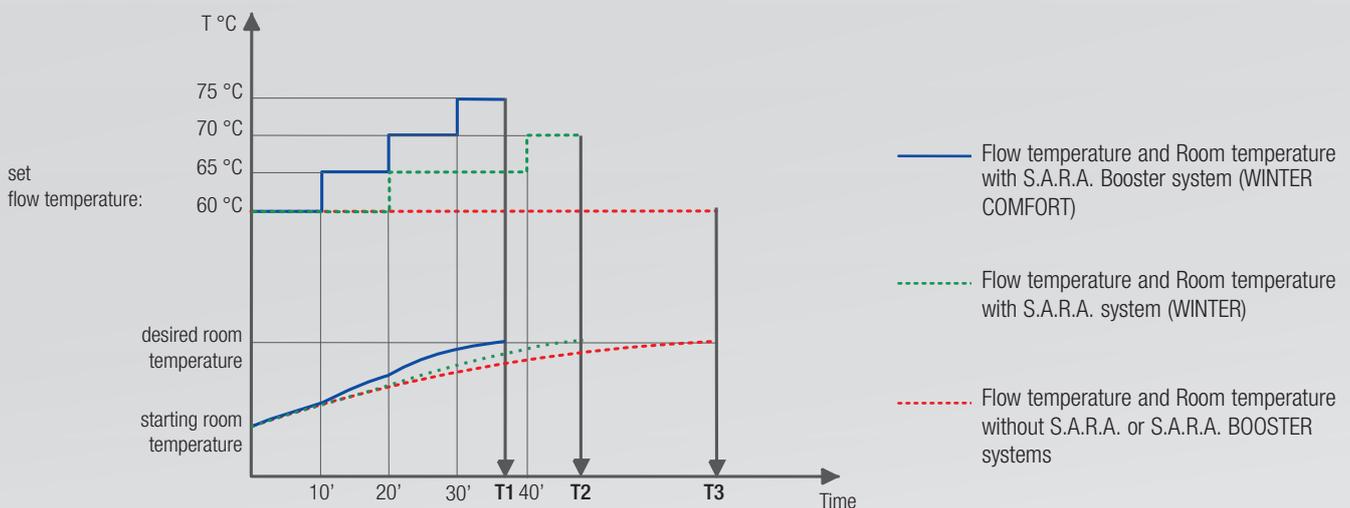
When the heating request has been satisfied, the boiler automatically restores the flow temperature to the setted value, thus allowing a better temperature stability of the radiators.

EXCLUSIVE integrates on all combi models both systems, providing **maximum comfort in every climate condition**.

S.A.R.A. Booster is automatically activated by selecting WINTER COMFORT on the control panel. This setting is recommended

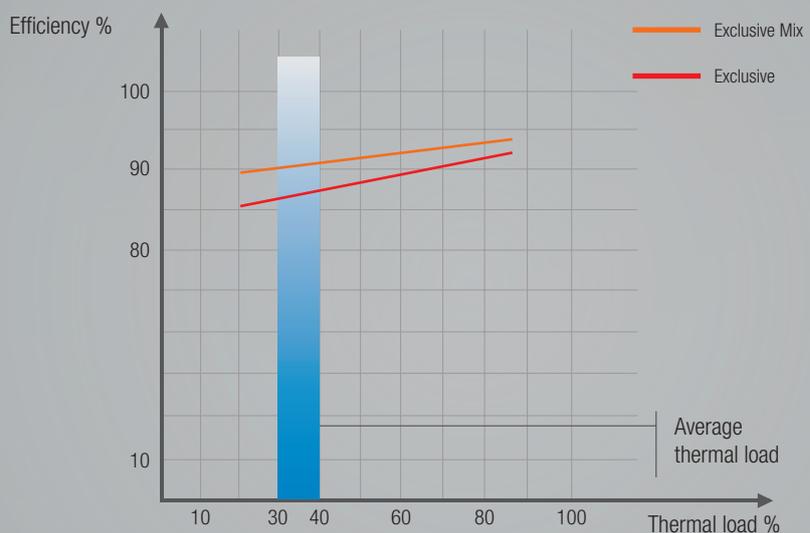
in cold areas, or during the hard winter periods.

S.A.R.A. is activated by selecting WINTER on the control panel and by setting the temperature of the central heating circuit between 55°C and 65°C. This setting is recommended in spring and autumn, or in areas or periods when winter is not hard. On the only heating models, S.A.R.A. Booster is always activated in WINTER mode.

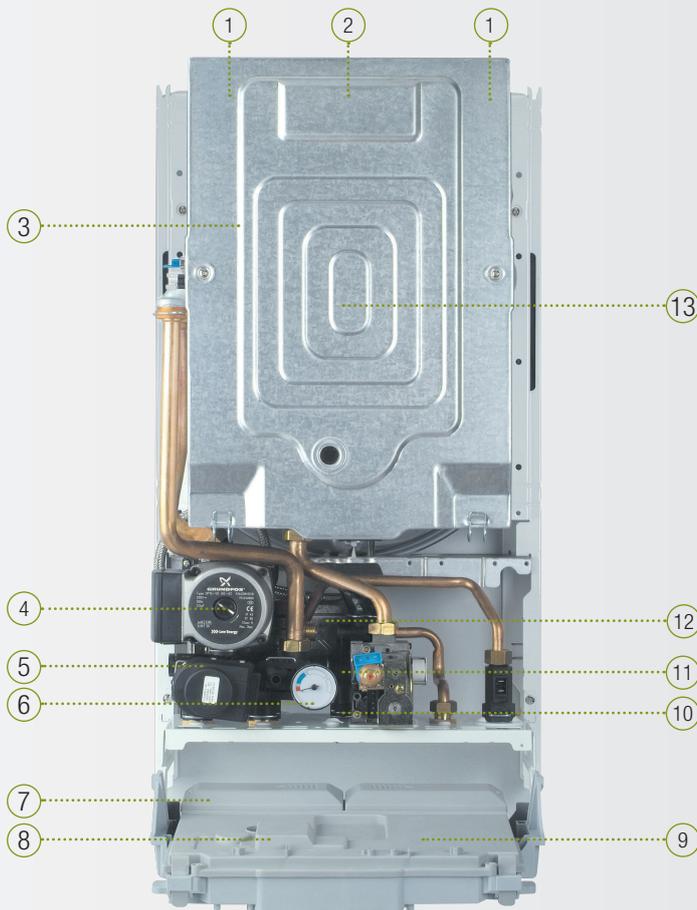


## The MIX system

All the room-sealed models of EXCLUSIVE range are equipped with the "MIX system", that maintains the air/gas ratio always optimal, by controlling the fan speed. In this way EXCLUSIVE ensures high efficiency performance in each mode of operation, with a consequent reduction in the consumption of gas and electricity. Moreover, thanks to the "MIX system", EXCLUSIVE boilers fit flues of different lengths for a maximum flexibility of installation.



## The technology



- ① Double air inlet for twin system
- ② Flue gas analysis
- ③ Variable fan speed
- ④ Circulation pump with anti-blocking function
- ⑤ 3-way valve with anti-blocking function
- ⑥ Analogic hydrometer and filling system manual tap
- ⑦ Built-in climatic thermoregulation through the external probe (as option)
- ⑧ Electronic board with frost protection
- ⑨ IPX5D electrical protection
- ⑩ Automatic by-pass on the heating circuit
- ⑪ Hydraulic group with quick connectors and front access components
- ⑫ DHW plate heat-exchanger with possibility of pre-heating
- ⑬ Air/gas combustion system (on MIX CSI and MIX RSI models)

Note: this picture refers to combi models

## Climatic Thermoregulation: more comfort and saving

The built-in climatic Thermoregulation is a standard feature for the whole EXCLUSIVE range. Your installer just has to connect the external sensor (optional) to EXCLUSIVE electronic board, to enable this function.

The Thermoregulation function adjusts the boiler operation according to the external climate changes in order to optimize comfort and maximize saving.

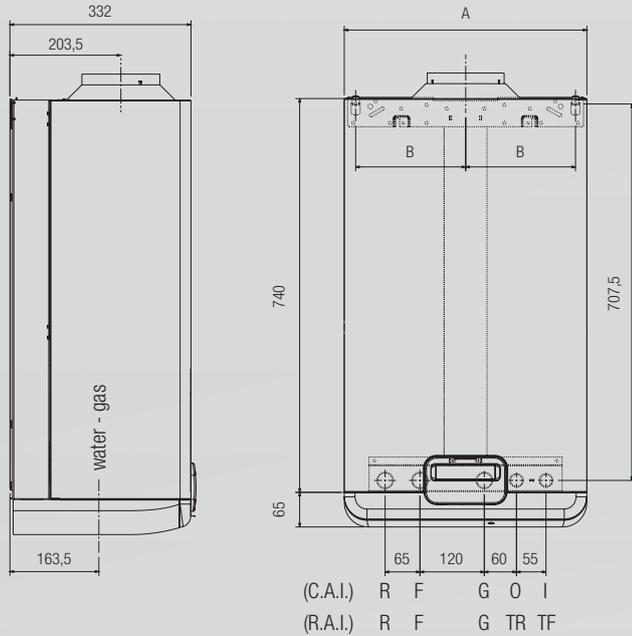


# Exclusive

## Technical drawings

**EXCLUSIVE 24-28 C.A.I.** (conventional flue, combi boilers)

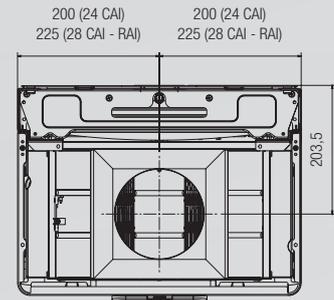
**EXCLUSIVE 28 R.A.I.** (conventional flue, heating only boilers)



	A	B
24 C.A.I.	400	180
28 C.A.I.	450	205
28 R.A.I.	450	205

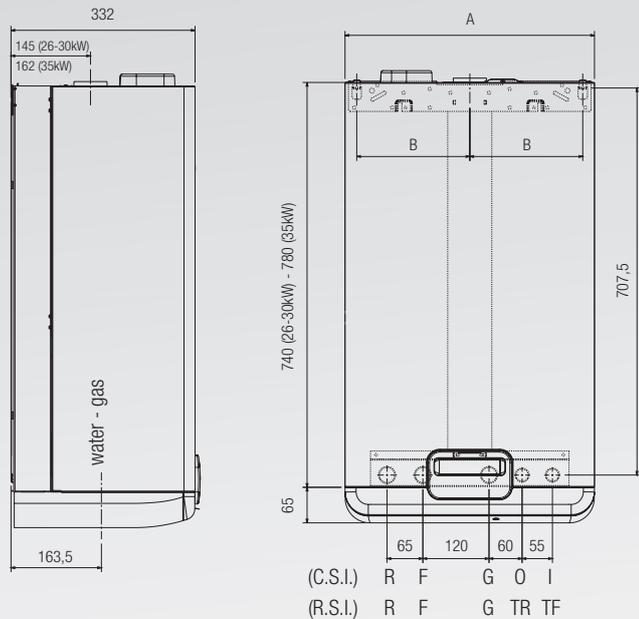
KEY:  
 System: Return R/Flow F/Tank Return TR/  
 Tank Flow TF/Gas G  
 Domestic water: Inlet I/Outlet O

View from above



**EXCLUSIVE 26-30-35 MIX C.S.I.** (room-sealed, combi boilers)

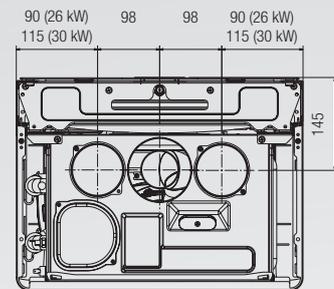
**EXCLUSIVE 30-35 MIX R.S.I.** (room-sealed, heating only boilers)



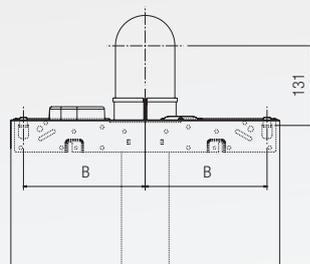
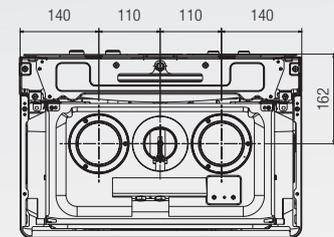
	A	B
26 MIX C.S.I.	400	180
30 MIX C.S.I.	450	205
30 MIX R.S.I.	450	205
35 MIX C.S.I.	500	230
35 MIX R.S.I.	500	230

View from above

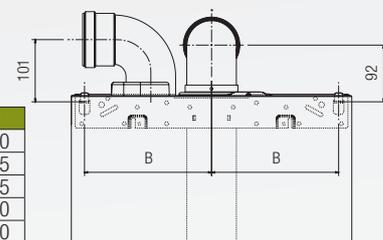
26 - 30 kW



35 kW



	B
26 MIX C.S.I.	180
30 MIX C.S.I.	205
30 MIX R.S.I.	205
35 MIX C.S.I.	230
35 MIX R.S.I.	230



For all flueing configurations please refer to the current local and national rules.

## Technical data (conventional flue models)

**C** combi model (CH + DHW)

**R** heating only model

**A** conventional flue

**I** ionisation flame control

SPECIFICATIONS AND MODELS		EXCLUSIVE 24 C.A.I.	EXCLUSIVE 28 C.A.I.	EXCLUSIVE 28 R.A.I.**
CH nominal heat input	kW	26,70	31,90	31,90
CH nominal heat output (80°-60° C)	kW	23,98	28,71	28,71
CH minimum heat input	kW	10,70	14,00	14,00
CH minimum heat output (80°-60° C)	kW	9,14	11,93	11,93
DHW nominal input	kW	26,70	31,90	31,90
DHW maximum output*	kW	23,98	28,71	28,71
DHW minimum input	kW	8,30	8,70	8,70
DHW minimum output*	kW	7,09	7,41	7,41
Efficiency at max nominal output (80°-60° C)	%	89,8	90,0	90,0
Efficiency at min nominal output (80°-60° C)	%	85,4	85,2	85,2
Efficiency at partial load 30% (47°C return)	%	89,5	89,5	89,5
NOx class		2	2	2
Max power consumption	W	88	88	88
Power supply	V/Hz	230/50	230/50	230/50
Electrical protection	IP	X5D	X5D	X5D
<b>CENTRAL HEATING</b>				
Maximum pressure - temperature	bar - °C	3 - 90	3 - 90	3 - 90
Minimum pressure for standard operation	bar	0,25 ÷ 0,45	0,25 ÷ 0,45	0,25 ÷ 0,45
Adjustable CH water temperature range	°C	40/80	40/80	40/80
CH expansion vessel pre-charge/Capacity	bar/l	1/8	1/8	1/8
<b>DHW</b>				
Maximum pressure	bar	6	6	-
Minimum pressure	bar	0,15	0,15	-
DHW production ΔT=25°C	l/min	13,7	16,5	-
DHW production ΔT=30°C	l/min	11,5	13,7	-
DHW production ΔT=35°C	l/min	9,8	11,8	-
Hot water minimum flow rate	l/min	2	2	-
Adjustable hot water temperature range	°C	35 - 60	35 - 60	-
<b>CONNECTIONS</b>				
CH flow - return/Gas	∅	3/4"	3/4"	3/4"
DHW inlet - outlet	∅	1/2"	1/2"	3/4"***
<b>FLUE PIPES</b>				
Diameter	mm	130	140	140
<b>DIMENSIONS, WEIGTH, GAS</b>				
Boiler dimensions (HxWxD)	mm	740x400x332	740x450x332	740x450x332
Net weight	kg	30	33	32
Certified gas types		I12H3+ I3B/P	I12H3+ I3B/P	I12H3+ I3B/P
Available gas versions		NG, LPG***	NG, LPG***	NG, LPG***

\* average among the different functioning conditions in DHW

\*\* values of DHW function are to be considered only in case of connection with an external tank

\*\*\* LPG version available with conversion kit (supplied as optional).

## Technical data (room-sealed models)

**C** combi model (CH + DHW)

**R** heating only model

**S** room-sealed

**I** ionisation flame control

SPECIFICATIONS AND MODELS		EXCLUSIVE	EXCLUSIVE	EXCLUSIVE	EXCLUSIVE	EXCLUSIVE
		26 MIX C.S.I.	30 MIX C.S.I.	35 MIX C.S.I.	30 MIX R.S.I.**	35 MIX R.S.I.**
CH nominal heat input	kW	28,80	33,20	37,80	33,20	37,80
CH nominal heat output (80°-60° C)	kW	26,21	30,38	35,31	30,38	35,31
CH minimum heat input	kW	8,50	9,80	9,95	9,80	9,95
CH minimum heat output (80°-60° C)	kW	7,70	8,86	9,18	8,86	9,18
DHW nominal input	kW	28,80	33,20	37,80	33,20**	37,80**
DHW maximum output*	kW	26,21	30,38	35,31	30,38**	35,31**
DHW minimum input	kW	8,50	9,80	9,95	9,80**	9,95**
DHW minimum output*	kW	7,70	8,86	9,18	8,86**	9,18**
Efficiency at max nominal output (80°-60° C)	%	91,0 - 90,6	91,5 - 90,4	93,4 - 92,3	91,5 - 90,4	93,4 - 92,3
Efficiency at min nominal output (80°-60° C)	%	91,9	92,2	94,5	92,2	94,5
Efficiency at partial load 30% (47°C return)		2	3	3	3	3
NOx class	W	120	150	160	150	160
Max power consumption	V/Hz	230/50	230/50	230/50	230/50	230/50
Power supply	IP	X5D	X5D	X5D	X5D	X5D
Electrical protection						
Maximum pressure - temperature	bar - °C	3 - 90	3 - 90	3 - 90	3 - 90	3 - 90
Minimum pressure for standard operation	bar	0,25 ÷ 0,45	0,25 ÷ 0,45	0,25 ÷ 0,45	0,25 ÷ 0,45	0,25 ÷ 0,45
Adjustable CH water temperature range	°C	40/80	40/80	40/80	40/80	40/80
CH expansion vessel pre-charge/Capacity	bar/l	1/8	1/8	1/10	1/8	1/10
<b>DHW</b>						
Maximum pressure	bar	6	6	6	-	-
Minimum pressure	bar	0,15	0,15	0,15	-	-
DHW production $\Delta T=25^{\circ}C/30^{\circ}C/35^{\circ}C$	l/min	15,0/12,5/10,7	17,4/14,5/12,4	20,2/16,9/14,5	-	-
Hot water minimum flow rate	l/min	2	2	2	-	-
Adjustable hot water temperature range	°C	35 - 60	35 - 60	35 - 60	-	-
<b>CONNECTIONS</b>						
CH flow - return/Gas	Ø	3/4"	3/4"	3/4"	3/4"	3/4"
DHW inlet - outlet	Ø	1/2"	1/2"	1/2"	3/4"***	3/4"***
<b>CONCENTRIC PIPES</b>						
Diameter	mm	60-100	60-100	60-100	60-100	60-100
Maximum length	m	3,40	3,40	2,00	3,40	2,00
Loss for a 45°/90° bend	m	1/1,5	1/1,5	1/1,5	1/1,5	1/1,5
Diameter	mm	80-125	80-125	80-125	80-125	80-125
Maximum length	m	7,61	7,61	7,61	4,26	4,26
Loss for a 45°/90° bend	m	1,35/2,2	1,35/2,2	1,35/2,2	1,35/2,2	1,35/2,2
<b>TWIN PIPES</b>						
Diameter	mm	80	80	80	80	80
Maximum length	m	15 + 15	14 + 14	6 + 6	14 + 14	6 + 6
Loss for a 45°/90° bend	m	1,2/1,7	1,2/1,7	1,2/1,7	1,2/1,7	1,2/1,7
<b>DIMENSIONS, WEIGHT, GAS</b>						
Boiler dimensions (HxWxD)	mm	740x400x332	740x450x332	780x500x332	740x450x332	780x500x332
Net weight	kg	34	36	43	35	41
Certified gas types		I12H3+ I12H3B/P	I12H3+ I12H3B/P	I12H3+ I12H3B/P	I12H3+ I12H3B/P	I12H3+ I12H3B/P
Available gas versions		NG, LPG***				

\* average among the different functioning conditions in DHW

\*\*\* LPG version available with conversion kit (supplied as optional).

\*\* values of DHW function are to be considered only in case of connection with an external tank

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