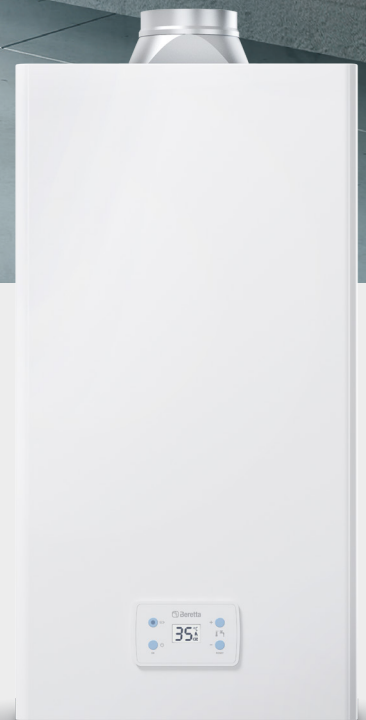


Fonte Lx

Instantaneous Gas Water Heaters, conventional flue, low NOx



Residential Heating



A₃XL Fonte Lx 14

A₃M Fonte Lx 11

THE RANGE

FONTE Lx, the new generation of conventional flue water heaters

Within the new generation of products with low NOx emissions, Fonte Lx is the new instantaneous conventional flue water heater, entirely signed by Beretta from know-how to industrialization.

The new Fonte Lx range, completely renewed in the design, both aesthetically and functionally, consists of two models of 11 and 14 litres, available both as natural gas and LPG versions, with dedicated codes, able to

offer the maximum domestic hot water comfort in compliance with the recent European regulations for the reduction of NOx emissions. The compact dimensions and the modern design allow Fonte Lx to be sited easily in every living context. These features, together with the ease of maintenance and user-friendliness, characterize Fonte Lx as a very viable product in the panorama of residential comfort.



KNOW-HOW AND INDUSTRIALIZATION BY BERETTA

Modern and intuitive control panel

Fonte Lx stands out for the **ease of use for the end user**, a characteristic that reconfirms one of Beretta's technological research drivers since its origins, aimed at creating products with maximum usability.

The design of the new control panel, modern and linear, in family-line with the new generation Beretta products, is characterized by an **intuitive backlit display, which immediately shows the water temperature in ° C and the**

diagnostic of any anomalies, together with two icons indicating the presence of the flame and the battery charge level. **Three buttons** allow to manage all the functions of the water heater by the end user. On the control panel there is also a **LED that flashes when the batteries level is low**, thus signalling the need for their replacement.



KEY:

- A** Battery level LED
- B** ON-OFF-CONFIRM button
- C** This button allows the end user to increase the domestic hot water temperature
- D** This button allows the end user to decrease the domestic hot water temperature. This button, if pressed for 5 seconds, allows the RESET of an anomaly.

Fonte Lx, the new water heater by Beretta



Beretta plant in Torun (Poland)

Beretta signs with its know-how all the development steps of the new Fonte Lx, from the concept to design at the historical Research and Development Center in Lecco, up to industrialization and production at its plants. A product therefore entirely "made in Europe", which results from the sum of the characteristics that have made Beretta one of

the leading brands in the residential context, not only in Italy but also internationally, such as **reliability, low environmental impact, nice and compact design, high performance and maximum usability**, both for the end user and for the technician and the installer.

TECHNOLOGY AND ADVANTAGES

FEATURES

- › 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 Δt 25 ° C of 11 and 14 liters / min
- › **Innovative project design**
- › **New self-adapting system with thermostatic device**
- › **Increased output modulation and domestic hot water flow rate, compared to the previous range**
- › **Electronic reset from the user interface of the domestic hot water and flues thermostats, in case of anomalies (RESET button)**

NEW DESIGN

- › Innovative **interface with backlit display, 3 buttons and a LED** for battery replacement
- › **Modern aesthetic lines and compact dimensions** for an easy setting in every living context

EASY TO USE

- › **Simple and intuitive buttons**
- › **Immediate display of the temperature** on display
- › **Battery charge level shown on the display with LED** to indicate replacement

HIGH COMFORT

- › **Wide operating and comfort range**
- › **High temperature stability** of the supplied hot water
- › Domestic hot water supply **even with minimum water draw-off or low pressure**

LOWER CONSUMPTIONS

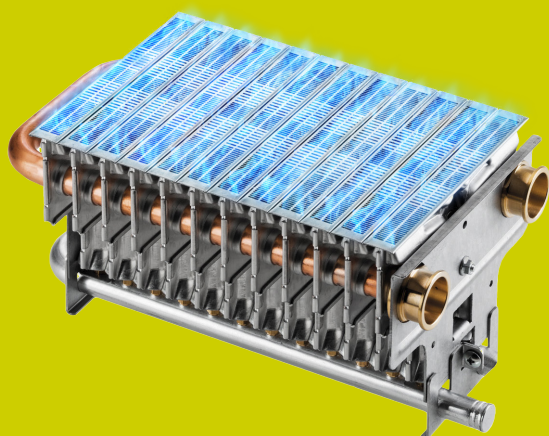
- › Thanks to **the advanced electronic modulating flame regulation system**

EASY TO INSTALL AND MAINTAIN

- › Quick and easy installation **without the need to remove the casing**
- › Innovative **electronic gas valve without membrane** for speedy maintenance



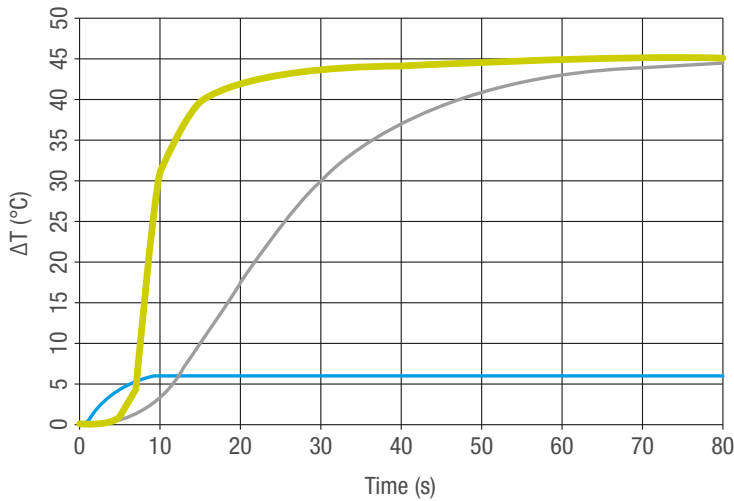
Last generation burner, low NOx



The new line FONTE Lx is able to meet the most demanding requirements in terms of low emissions, in force since September 2018, as required by the Regulations (UE) 814/2013, that set the new limits of **NOx at 56 mg/kWh or less**, for the safeguard of the environment. Thanks to the **innovative burner of FONTE Lx, of hyperstochiometric type, cooled by water**, the carbon monoxide and nitrogen polluting emissions, produced by combustion, are **significantly lowered**, such as to satisfy with flying colors the new limits set by the international regulation.

TECHNOLOGY AND ADVANTAGES

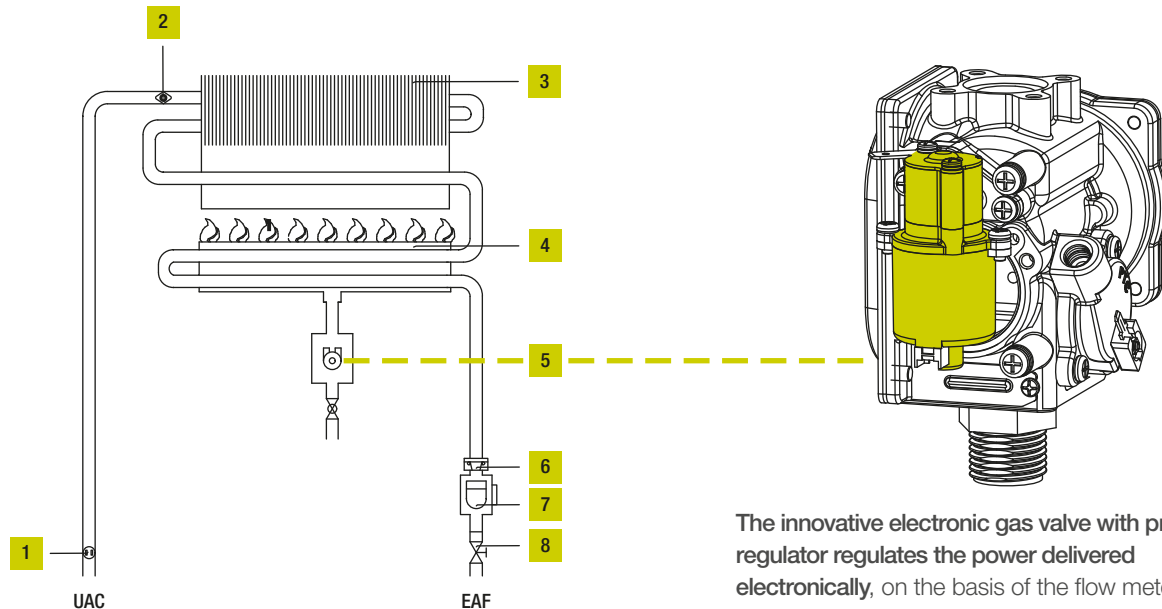
Plenty of hot water, immediately available



The new Fronte Lx stands out from the previous range for **the achievement in even shorter time of the desired temperature set point** of hot water, offering the user the maximum comfort.

- FRONTE Lx with electronic management
- Previous models with mechanical management
- Domestic water flow rate l / min

The new features of the hydraulic circuit



The innovative electronic gas valve with pressure regulator regulates the power delivered **electronically**, on the basis of the flow meter and the NTC flow temperature probe. As the traditional gas valve with membrane and mechanical regulation is no longer present, **maintenance is simplified and performance improved**.

- | | | |
|-------------------------|---|------------------|
| 1 NTC temperature probe | 2 Limit thermostat with reset function from display | 3 Heat exchanger |
| 4 Cooled burner | 5 Electronic gas valve with pressure regulator | 6 Flow limiter |
| 7 Flow meter | 8 Temperature regulator (*) | |
- UAC Domestic hot water outlet EAF Cold water inlet

(*) Ideal for managing different temperatures of the mains water (eg summer / winter)

TECHNICAL DRAWINGS

KEY:

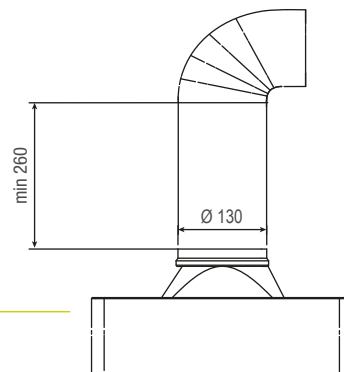
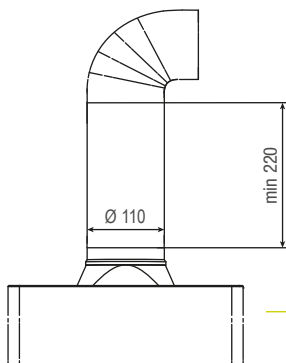
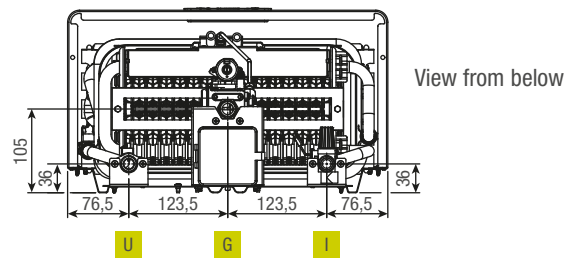
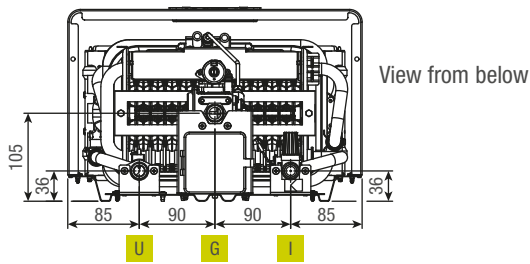
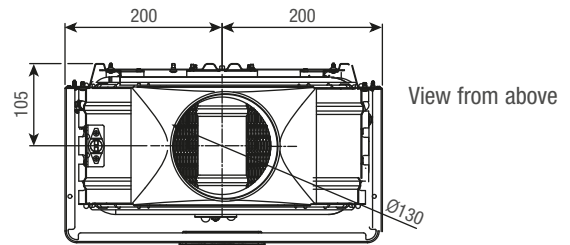
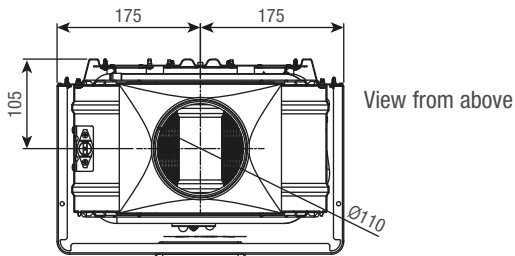
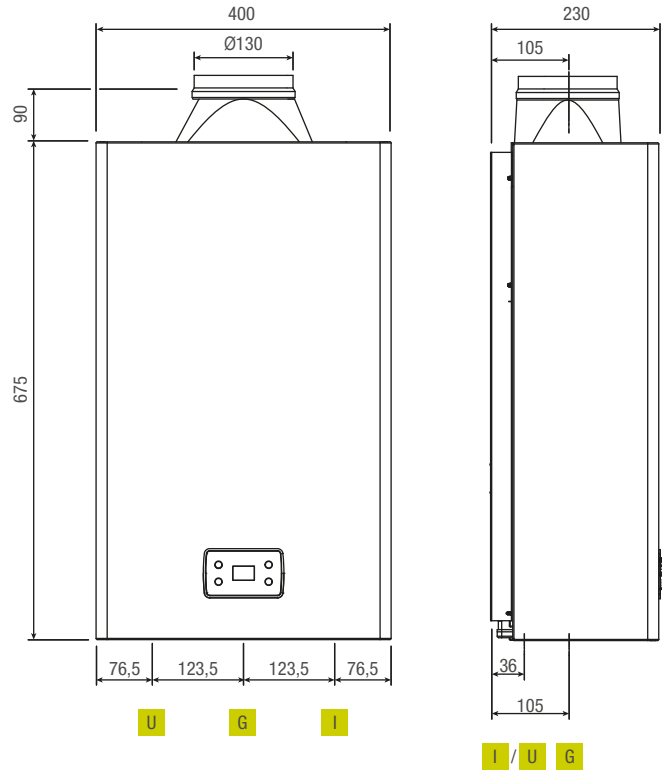
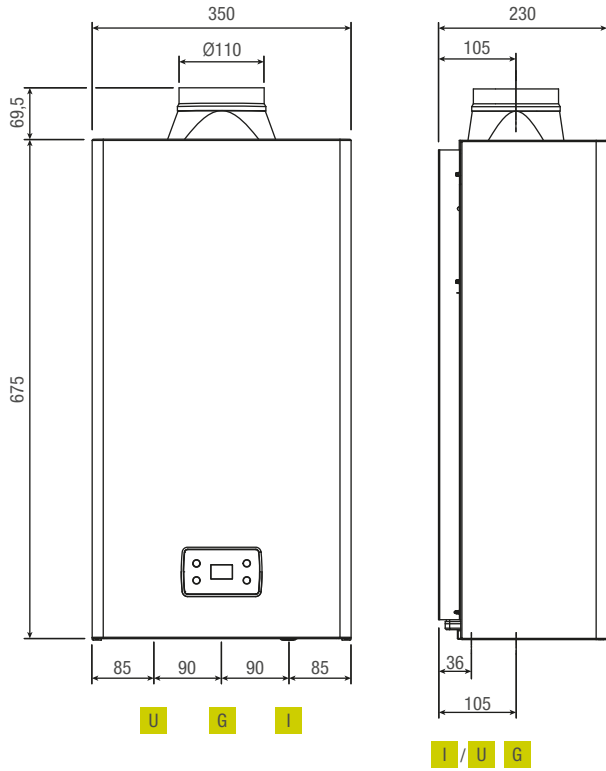
G gas

I domestic water inlet

U domestic hot water outlet

FORTE Lx 11

FORTE Lx 14



Minimum vertical height of the flues outlet, necessary for a proper evacuation

TECHNICAL DATA

CHARACTERISTICS AND MODELS AVAILABLE	U.O.M.	FORTE Lx 11	FORTE Lx 14
Product order code	NG	20149819	20149825
	LPG	20149820	20149826
ENERGY LABEL SPECIFICATIONS ACCORDING TO EUROPEAN DIRECTIVE ErP			
Domestic water seasonal energy efficiency class	Class	A	A
Domestic water load profile	-	M	XL
TECHNICAL CHARACTERISTICS			
Type	-	Conventional flue	Conventional flue
Draft	-	Natural draft	Natural draft
Ignition	-	2 batteries 1,5V	2 batteries 1,5V
Flame control	-	ionization	ionization
Flame modulation	-	continuous	continuous
Hot water production $\Delta t= 30^\circ$	litres / min	9,3	11,6
Nominal heat input (G20 / G30-G31)	kW	22,0 / 21,0	28,0 / 28,0
Nominal heat output (G20 / G30-G31)	kW	19,43 / 18,33	24,36 / 24,75
WATER			
DHW flow rate - temperature regulator at minimum	litres / min	from 2.5 to 5.5	from 2.5 to 6.5
DHW flow rate - temperature regulator at maximum	litres / min	from 2.5 to 11	from 2.5 to 14
DHW temperature rise - temperature regulator at minimum	°C	≈50	≈50
DHW temperature rise - temperature regulator at maximum	°C	≈25	≈25
DHW temperature selection range	°C	35-60	35-60
Minimum / regular / maximum pressure	bar	0,2 / 2 / 10	0,2 / 2 / 10
Ø water inlet/outlet connections	-	1/2"	1/2"
GAS			
Natural gas nominal supply pressure (G20)	mbar	20	20
LPG nominal supply pressure (G30 - G31)	mbar	28 / 30 - 37	28 / 30 - 37
Ø gas connection	-	1/2"	1/2"
Flue gases temperature (G2-G30-G31)	°C	190 / 188 / 187	173 / 167 / 176
Gas category	-	II2H3+ - I3B/P - II2H3B/P - II2E3P	
FLUE EXHAUST PIPE			
Diameter	mm	110	130
DIMENSIONS AND WEIGHT			
Dimensions (HxLxD)	mm	675x350x230	675x400x230
Weight	kg	12	12
Available gas versions	-	NG-LPG	NG-LPG



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 **Beretta**