



WALL-MOUNTED BOILER

# ALIXIA ULTRA CF

The essence of heating

Despite its simplicity, the Alixia Ultra boiler has all the technical characteristics needed for optimum, reliable, practical and safe operation. The Alixia Ultra now features an LCD screen for easy use.



## > HOT WATER COMFORT

- **Stainless steel heat exchanger for hot water.**
- **Hot water flow rate of 13.5 l/min with  $\Delta T = 25^\circ \text{C}$ .**
- Hot water circuit controlled by two sensors and a flowmeter that measures the hot water flow rate to improve the temperature stability according to each type of water drawing.

## > HEATING COMFORT

- **Frost protection function** to protect the heating circuit.
- Progressive lighting of the burner to reduce noise and increase component durability.
- Automatic bypass
- 15-18-24 kW heating power
- Backlit LCD screen with display of operating modes and temperatures.
- Simple and instant configuration.

## > COMFORTABLE USE AND CONVENIENT INSTALLATION



- **Compact and easily adapts to any type of home.**
- Rapid installation: system configured to enable hydraulic bars to be used (available as an option).
- **Simplified maintenance:** all components can be accessed from the front.
- Model designed for integration into a solar heating system (including solar sensor).
- Model designed for wired on/off type room control.

Width:  
**40 cm**

Power:  
**24 kW**

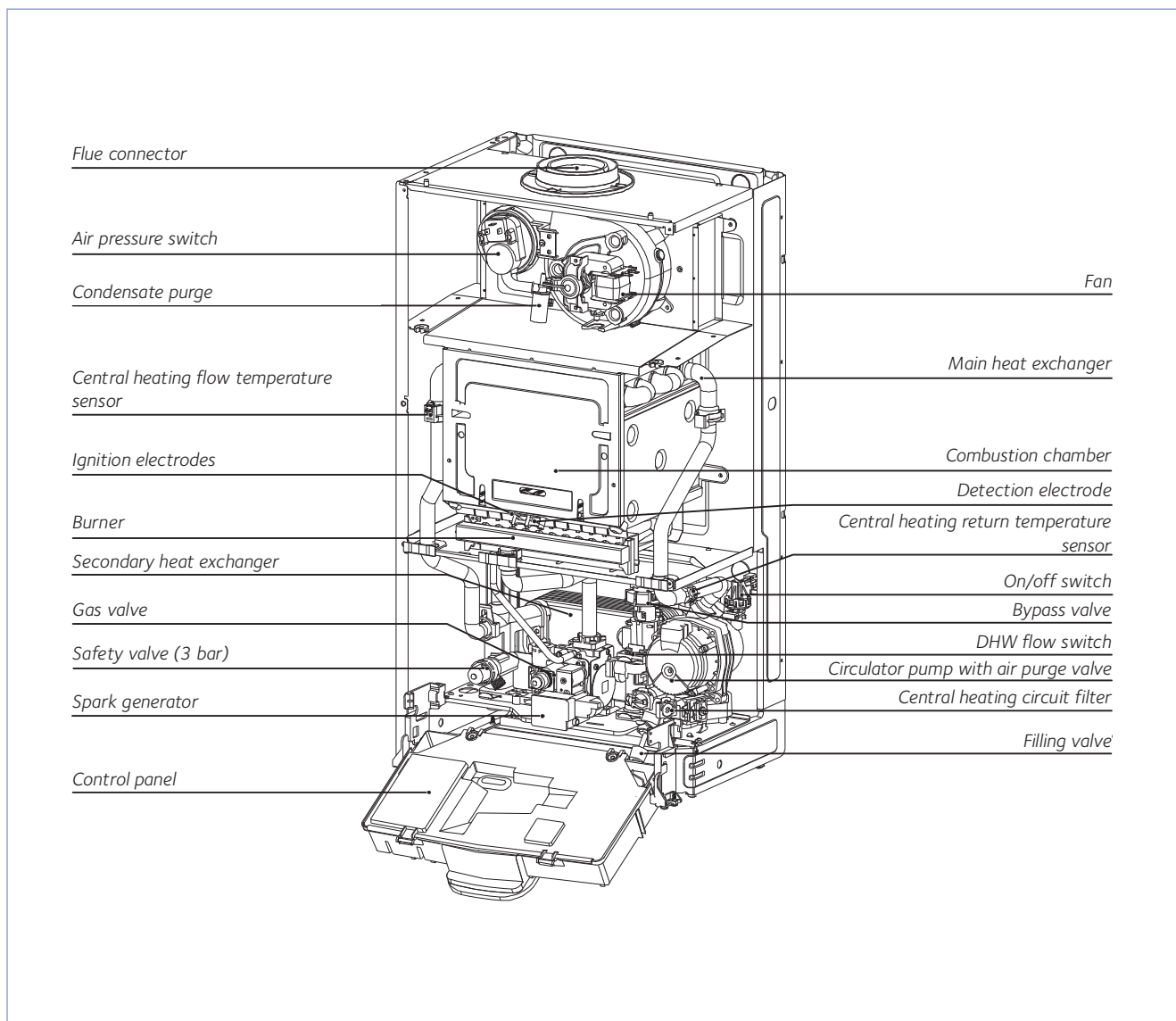
DHW production:  
**INSTANTANEOUS**

Technology:  
**CONVENTIONAL**

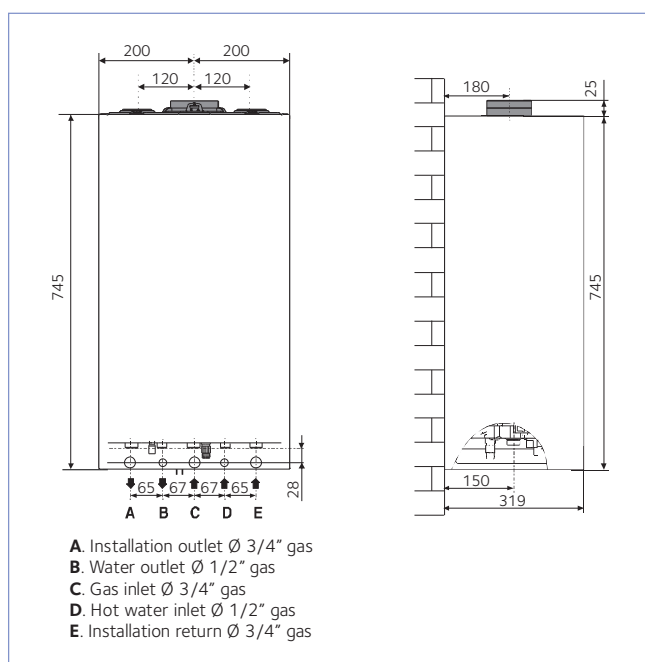
## TECHNICAL DATA

ALIXIA ULTRA		24 CF NG
Gas category		II2H3P
Boiler type		B11 - B11bs
ELECTRICAL PERFORMANCE		
Max/min nominal heat output (Hi)	kW	25.8 / 11.0
Max/min nominal heat input (Hs)	kW	28.7 / 12.2
Max/min nominal heat output for hot water (Hi)	kW	27.0 / 11.0
Max/min nominal heat output for hot water (Hs)	kW	30.0 / 12.2
Heating power: max/min	kW	23.7 / 9.9
DHW heating power: max/min	kW	25.0 / 10.2
Combustion yield (on flue discharge) Hi/Hs	%	92.7
Nominal heat input gross yield (60/80 °C) Hi/Hs	%	91.9 / 82.8
Gross yield at 30% and 47 °C Hi/Hs	%	91.2 / 82.1
Yield at minimum power Hi/Hs	%	90.2 / 81.2
Yield classification (Directive 92/42/EEC)	stars	**
Max heat loss to the casing ( $\Delta T = 50^{\circ}\text{C}$ )	%	0.8
Heat loss through the flue when the burner is on	%	7.3
Heat loss through the flue when the burner is off	%	0.4
EMISSIONS		
Residual discharge head	Pa	4.1
NOx class	Class	2
Flue gas temperature (G20)	°C	116
CO content (0 % O <sub>2</sub> )	ppm	5.4
CO <sub>2</sub> content (G20)	%	54
CO <sub>2</sub> content (G20)	%	10.8
Max. flue gas capacity (G20)	kg/h	67.2
Excess air	%	105
HEATING CIRCUIT		
Pre-charged expansion vessel pressure	bar	0.1 (1)
Maximum pressure of the central heating circuit	bar	0.3 (3)
Expansion vessel capacity	l	8
Central heating temperature: max/min (high temperature range)	°C	82 / 35
HOT WATER CIRCUIT		
Max/min hot water temperature	°C	60 / 36
Specific flow rate of the hot water system (10 min, with $\Delta T=30^{\circ}\text{C}$ ) instantaneous boilers	l/min	11.8
DHW flow rate $\Delta T=25^{\circ}\text{C}$	l/min	14.3
DHW flow rate $\Delta T=35^{\circ}\text{C}$	l/min	10.2
Hot water classification (EN13203)	stars	**
Minimum DHW flow rate	l/min	< 2
Max/min hot water pressure	bar	0.7 / 0.1 (7/1)
PART ELECTRIC DATA		
Electric supply voltage/frequency	V/Hz	220/50
Absorbed power	W	78
Minimum ambient operating temperature	°C	5
Protection ratings of electrical systems	IP	X5D
Weight	kg	26

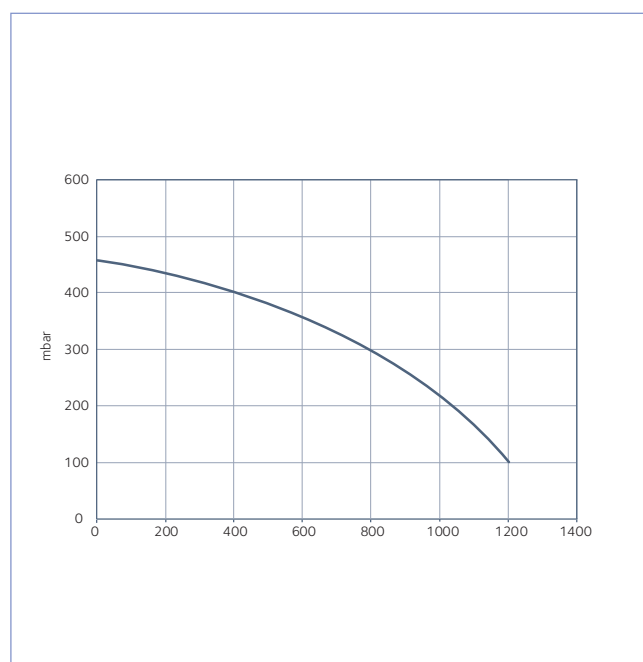
## CROSS SECTION



## DIMENSIONS (in mm) AND INSTALLATION DIAGRAM



## AVAILABLE PRESSURE



Width:  
**40 cm**

Power:  
**24 kW**

DHW production:  
**INSTANTANEOUS**

Technology:  
**CONVENTIONAL**

## AVAILABLE MODELS

MODEL	POWER	GAS	CODE
ALIXIA ULTRA 24 CF NG	24 kW	MET	3310525

## CONTROL AND REGULATION DEVICES

	CODE
Easy Control II	3319486
On/off room thermostat	3318605

## SOLAR HEAT INTEGRATION

	CODE
Manual thermostatic mixing valve	3318379

## FLUES

	CODE
Vertical outlet 60/100 coll. cond. boiler	3318008
Concentric flue kit 60/100 length 1000	3318000
Concentric flue kit 80/125 length 1000	3318035

*Note: for other installation configurations and to discover all other flue accessories, consult the BOILER ACCESSORIES section.*

## INSTALLATION ACCESSORIES

	CODE
Folding metal bracket	3318248
Bar kit	3678350
Hydraulic kit (pipes + 4 taps)	3318228
Initial installation kit (pipes + 2 taps)	3318224
Site kit	3318222
Kit with 2 heating taps	3318225
Universal replacement kit	3318227
66 mm plate/frame kit	3678415
Plastic cover for hydraulic couplings	3318355