



Control panel



1. User menu
2. Connection status
3. Pressure status
4. System pressure
5. ECO mode on/off
6. Date and time
7. Flame present in DHW mode
8. Flame present in Heating mode
9. DHW temperature
10. Heating temperature
11. Increase DHW temperature
12. Increase Heating temperature
13. Decrease DHW temperature
14. Decrease Heating temperature
15. Boiler on/off selection
16. Heating on/off selection
17. Help

Raggio

Wall hung condensing boilers instantaneous DHW production

- Aesthetics with exclusive lines (Patent) that radically remodel the aesthetic concept by using tempered crystal and having geometric shapes
- Wide range of optional **accessories** available: kit **remote control** Wi-Fi CONNECT controlled via App, **hydraulic connection kit** (5 pipes, 4 valves), **fitting cover** casing
- **Boiler** with extra thick **stainless steel** primary exchanger, with large passes guaranteeing duration and reduced maintenance
- **High head, enhanced modulating heating circulator** on all models also able to adapt to particularly resistant systems
- **Low consumption modulating pump (ErP Ready - Class A)**
- **Standard semi-automatic system electro-charging**
- **Enhanced DHW exchanger with high number of plates**, particularly immune to clogging and able to maintain constant DHW production capacity over time
- **A+ SYSTEM**: being combined with the **CONNECT** modulating remote control, and the outdoor temperature reading directly from the internet, it reaches the maximum **energy efficiency A+** (scale from G to A+++)
- It easily adapts to the load conditions thanks to the **broad modulating range** that can reach **1:12** (mod. 34C, 1:10 mod. 28C)
- **Ready to operate with natural gas mixtures enriched with hydrogen**
- **MC²**: Multi Combustion Control, new combustion system with gas-adaptive patented technology for better adaptability of use to the varying gas mains conditions
- **M.G.R**: Methane, LPG, Propane-air Ready with a simple configuration the boiler can run on natural gas, LPG without the use of any additional conversion kits
- **Exclusive exchanger-burner system with self-cooling door**: it simplifies maintenance and lowers the cost thanks to a lower number of parts that need replacing
- **7" colour touch-screen graphic display**
- Prompt display of the operation status thanks to the front **multicolour LED**
- **Designed to simplify and make normal maintenance and cleaning steps easier** thanks to easy access to the internal parts
- **EASY WIRING**: Simplified electric wiring that does not require removing the boiler's casing thanks to direct access to the external connection terminal board available on the lower part of the device.

Boiler code	Boiler model
OTSB4MWD	RAGGIO 28 C (M/GPL)
OTSB7MWD	RAGGIO 34 C (M/GPL)

Boiler + remote control CONNECT

Boiler code	Boiler model
OTSB4CWD	RAGGIO 28 C (M/GPL)+CONNECT
OTSB7CWD	RAGGIO 34 C (M/GPL)+CONNECT

Technical Data

Raggio		28 C	34 C
ERP Class (*) boiler + CONNECT remote control	(Class G - A++)	/ (*)	/ (*)
	(Class G - A)	XL	XXL
Heating max / min heat input (Hs)	kW	24,5 / 2,9	30,6 / 2,9
Heating max / min heat output (80/60°C)	kW	24 / 2,8	30 / 2,8
Heating max / min heat output (50/30°C)	kW	26 / 3,1	32,5 / 3,1
DHW max / min heat input (Hi)	kW	28,5 / 2,9	34,7 / 2,9
DHW max / min heat output	kW	28,0 / 2,8	34,0 / 2,8
Efficiency Pmax / Pmin (80-60°C) (Hi)	%	98,1 / 98	97,9 / 98
Efficiency Pmax / Pmin (50-30°C) (Hi)	%	106,1 / 107,5	106,1 / 107,5
Efficiency 30% (Hi)	%	109,7	109,5
Max / min heating operating pressure	bar	3 / 0,8	3 / 0,8
DHW max / min operating pressure	bar	9 / 0,3	9 / 0,3
DHW flow rate Δt 25°C	l/min	16,1	19,5
DHW flow rate Δt 30°C	l/min	13,4	16,2
Empty weight	kg	28	32

Hydraulic and control accessories

Code	Description
013010XD	CONNECT, wifi modulating remote control with programmable thermostat function
046049X0	galvanised template
012043W0	kit for connection of fittings complete with gas tap with cone, DHW tap, 2 system taps, pipes, nipple, gaskets

Code	Description
012049W0	kit for connection of 5 pipe fittings nb: the kit does not include taps and connection nipples
046057X0	fitting cover kit
013002X0	thermostatic mixer kit 1/2" connections

Coaxial accessories for flues 60/100

Code	Description
041095X0	90° coaxial bend, 360° swivel with 45° pitch ø 100/60 mm
041096X0	coupling for vertical coaxial pipe ø 100/60 mm
041097X0	90° coaxial bend, ø 60/100 mm
041098X0	45° coaxial bend, ø 60/100 mm
041099X0	coaxial extension, L=1000 mm M-F, ø 60/100 mm
041100X0	coaxial terminal pipe, L=1000 mm, ø 60/100 mm, includes wall gasket

Separate accessories for flues 80/80

Code	Description
041101X0	discharge kit twin pipes 80/80 complete with test point
041102X0	90° bend, ø 80 mm, M-F
041103X0	45° bend, ø 80 mm, M-F
041104X0	terminal pipe, L=1000 mm, M-F, ø 80 mm
	accessories in white colour, see page FLUES CHIMNEY ACCESSORIES CONDENSING GAS BOILERS