

MICROCOMBI

WALL-HUNG ELECTRONIC IGNITION GAS COMBINATION BOILER



COMPACT DIMENSIONS (700x400x315 mm)

- 23.7 kW - 80,900 Btu/h or 27.0 kW - 92,100 Btu/h versions
- Built-in mechanical clock
- Fully modulating
- Fast "twin pass" heat exchanger
- Built-in by-pass
- Anti-frost device
- Anti-scale protection
- High efficiency
- Connection kit



WALL-HUNG GAS COMBINATION BOILER ROOM-SEALED COMBUSTION CHAMBER

The *microCombi* offers advantages to both the end-user and the installer. The size and weight is clearly an asset of this combination boiler.

Ariston has applied a lot of time and effort into the research and development of the standard features of the boiler. These features include: electronic ignition, temperature control of both the heating system and domestic hot water to an accuracy of $\pm 1^\circ\text{C}$, a "twin pass" heat exchanger (generating both domestic hot water and central heating directly) and adjustable independent hot water temperature regulation.

The *microCombi* is able to regulate the maximum heating output via the printed circuit board. The boiler also features a soft ignition function, therefore reducing the noise output when the boiler starts to work. In order to avoid potential problems, the boiler features electronically controlled overheating protection, a warning light for defective flue discharge, an anti-scale device and anti-frost device.



P.C.B with microprocessor



Automatic by-pass



Fully modulating



Electronic ignition



C.H. Temp adjustment



Anti-scale device



Anti-frost device



IP X4D



Insufficient system pressure shutdown

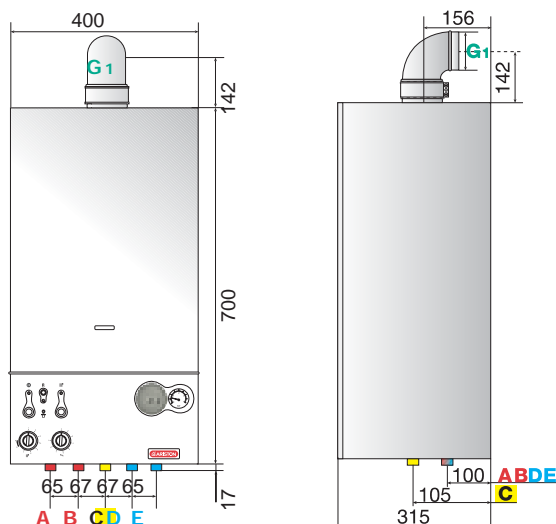


D.H.W. Temp adjustment

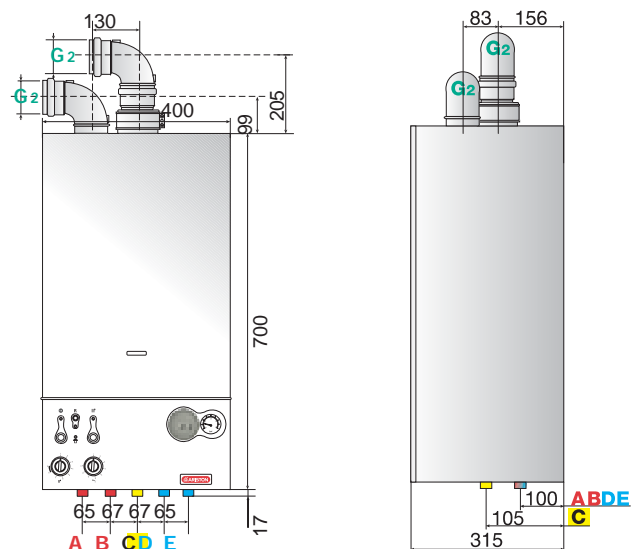
CLEARANCE DIMENSIONS - PIPE FITTINGS - EXHAUST OUTLETS

| | A Central heating flow | B Domestic hot water outlet | C Gas inlet | D Domestic hot water inlet | E Central heating return | G Flue (Ø mm) |
|---------------------------|----------------------------------|---------------------------------------|-----------------------|--------------------------------------|------------------------------------|------------------------------------|
| MICROCOMBI 23 MFFI | 22mm copper tail | 15mm copper tail | 15mm copper tail | 15mm copper tail | 22mm copper tail | G1 60/100 - G2 80-80 |
| MICROCOMBI 27 MFFI | 22mm copper tail | 15mm copper tail | 15mm copper tail | 15mm copper tail | 22mm copper tail | G1 60/100 - G2 80-80 |

Coaxial exhaust



Twin pipe exhaust

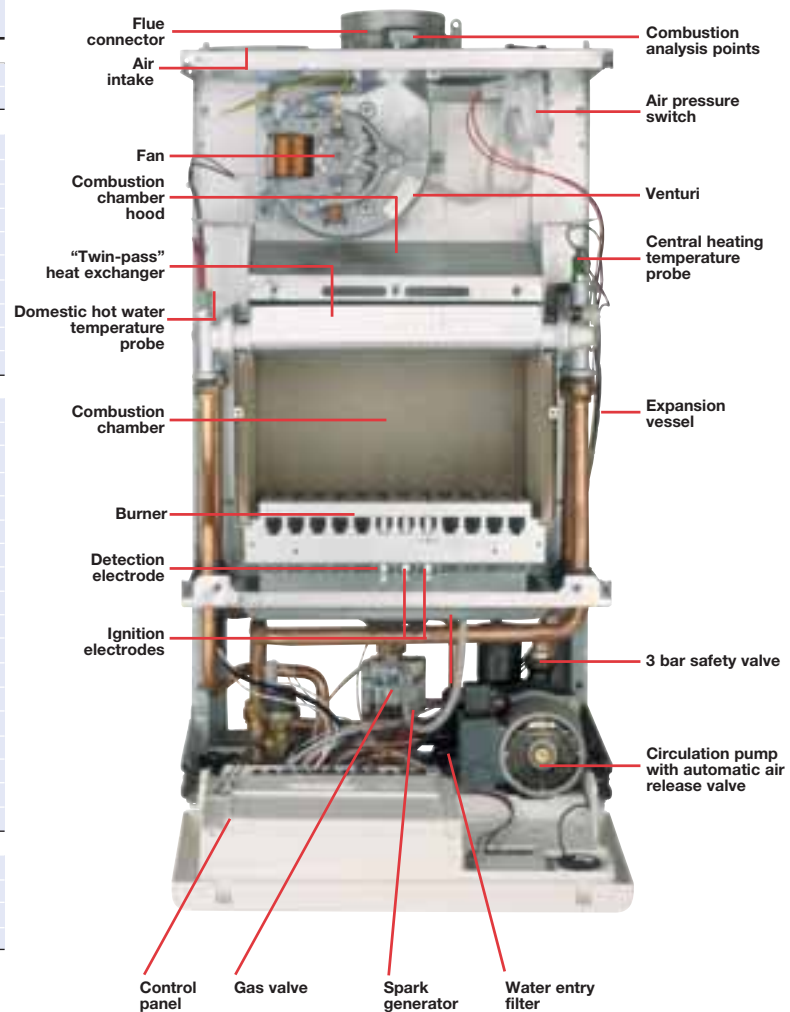


TECHNICAL INFORMATION

| | | MICROCOMBI 23 MFFI | MICROCOMBI 27 MFFI |
|--|----------------|-----------------------|-----------------------|
| EFFICIENCY | | | |
| SEDBUK Rating | Band | D | D |
| SAP efficiency | % | 80.1 | 79.4 |
| POWER & PERFORMANCE | | | |
| Heat input max. | kW - Btu/h | 25.6 - 87,300 | 27.3 - 93,100 |
| Heat input min. | kW - Btu/h | 11.0 - 37,500 | 11.0 - 37,500 |
| Heat output max. | kW - Btu/h | 23.7 - 80,900 | 27.0 - 92,100 |
| Heat output min. | kW - Btu/h | 9.6 - 32,800 | 9.3 - 31,700 |
| Central heating temperature maximum | °C | 82 | 82 |
| Central heating temperature minimum | °C | 42 | 42 |
| Domestic hot water temperature maximum | °C | 54 | 56 |
| Domestic hot water temperature minimum | °C | 36 | 36 |
| D.H.W. flow rate $\Delta T = 35^\circ C$ | l/min | 9.7 | 11.0 |
| D.H.W. flow rate $\Delta T = 35^\circ C$ | gal/min | 2.1 | 2.5 |
| CHARACTERISTICS | | | |
| Gas consumption after 10 minutes* | m ³ | 0.32 | 0.36 |
| Exhaust gas temperature at nominal capacity | °C | 126 | 149 |
| Anti-Frost device activation | °C | 5 | 5 |
| Pressure loss through boiler (max) ($\Delta T=20^\circ C$) | mbar | 200 | 200 |
| Residual head of system | bar | 0.25 | 0.25 |
| D.H.W. minimum flow rate | l/min | 2.5 | 2.5 |
| Domestic hot water pressure maximum | bar | 6 | 6 |
| Domestic hot water pressure minimum | bar | 0.2 | 0.2 |
| Built-in expansion vessel capacity | l | 6 | 6 |
| Built-in expansion vessel pre-charged vessel | bar | 1 | 1 |
| Maximum water content of system | l | 130 | 130 |
| Maximum heating pressure | bar | 3 | 3 |
| Gas inlet pressure - Natural Gas (G20) | mbar | 20 | 20 |
| Servicing clearances - top/front/bottom | mm | 250/450/200 | 250/450/200 |
| Servicing clearances - left/right | mm | 35/35 | 35/35 |
| Zero compartment ventilation | | Yes | Yes |
| Weight | kg | 39 | 41 |
| G.C. number | | 47-116-16 | 47-116-24 |
| ELECTRICAL DATA | | | |
| Electrical supply | V/Hz | 230/50 | 230/50 |
| Power consumption | W | 135 | 155 |
| Protection grade of electrical system | IP | X4D | X4D |
| Internal fuse rating | | FAST 2 AT | FAST 2 AT |

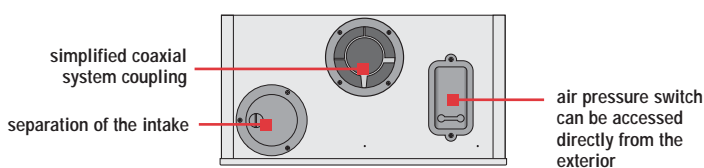
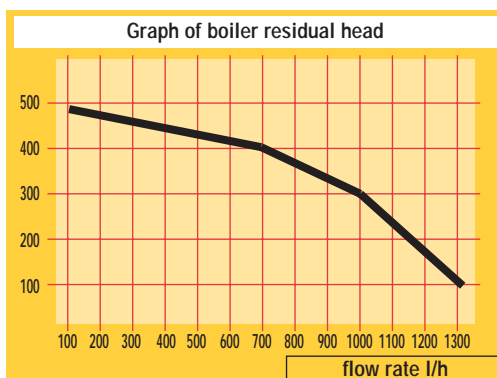
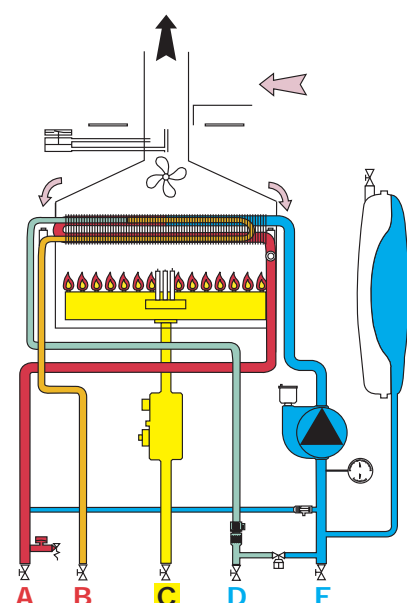
*1:15°C, 1013 mbar

MICROCOMBI 27 MFFI



SCHEMATIC

ROOM-SEALED FAN FLUE 23 MFFI - 27 MFFI



ARISTON QUALITY PRODUCTS EXCEPTIONAL SERVICE



 **0870 241 8180**
technical advice

 **0870 600 9888**
customer service

REGIONAL TRAINING CENTRES

- Plymouth
- High Wycombe
- Gt. Manchester



COMPREHENSIVE TRAINING

Training courses are available across the entire Ariston range including all the necessary theory and practical aspects. The courses are open to any CORGI Registered installer or engineer at fully equipped training centres in High Wycombe, Plymouth and Golbourne (near Wigan) and other venues up and down the country. The courses on offer include boiler installation, maintenance and servicing and unvented domestic hot water systems.

TECHNICAL ADVICE

Immediate and effective technical assistance is only a phone call away. Including advice as to which product is most suited to your needs and the requirements of your system installation. Our skilled team is also trained to talk you through the trickiest problems that might crop up during an installation and answer the most obscure technical questions you could possibly think of.

PROFESSIONAL CUSTOMER SERVICE

Ariston offers unrivalled customer service; in the unlikely event of a problem with an Ariston appliance all of our Customer Services team are trained to deal with any situation swiftly and to offer advice where possible. Should it be necessary for an engineer to call a specially trained technician will soon be on hand, prepared for most eventualities.

for the latest product info visit:

<http://www.ariston.co.uk>



MTS (GB) Limited
MTS Building
Hughenden Avenue
High Wycombe
Bucks, HP13 5FT
Tel: 01494 755600
Fax: 01494 459775

Technical Advice & Customer Service Fax 01494 463066
technical@uk.mtsgroup.com
info@uk.mtsgroup.com

