

BOILER HOUSE MODELS

Boiler House models are supplied with a factory-fitted blue insulated jacket and dual thermostat. They incorporate all the advantages of efficiency and serviceability associated with the Kitchen models and are intended for garage or outhouse installations.



EASY TO SERVICE AND MAINTAIN

The Multi Pass is easy to maintain, its unique hinged door giving access to all serviceable parts from the front of the appliance, vastly reducing servicing time.

Models up to 140,000 Btu/h incorporate Riello RDB pressure jet burners whereas both the 160,000 Btu/h and 200,000 Btu/h models are supplied with the Sterling 90 burner.

WATER CONNECTIONS

Kitchen and boiler house models have a choice of two flow and two return connections and are suitable for gravity primary, or fully pumped applications. Models from 50-90,000 Btu/h have 4 x 1" BSP tappings and models from 110-200,000 Btu/h have 4 x 1 1/4" BSP tappings.

System boilers have either 22mm (up to 90,000 Btu/h) or 28mm (up to 140,000 Btu/h) push-fit copper connections for the heating flow which can be piped to the left, or right of the boiler. There is also a 15mm copper push-fit connection for the pressure relief valve and a 15mm compression connection for the cold mains filling loop. System boilers are designed for fully pumped systems only.

In accordance with our policy of continual improvement, we reserve the right to amend specifications without prior notice. Manufactured under I.S. EN ISO 9001.

Approved to OFS A100 (EN303 part 4). Complies with the EC Low Voltage and Electromagnetic Compatibility and Boiler Efficiency Directives.

®Multi Pass is a Registered Trade Mark of Grant Engineering Ltd. SEDBUK Stands for 'Seasonal Efficiency of Domestic Boilers in the UK'. *Multi Pass Range is capped at 85.7% Gross.

FUEL

All burners are supplied factory set at a mid-range output for use on standard grade kerosine - Class C2. The burners can be reset on commissioning to operate on Class D, gas oil, but only for conventional flue applications of 70,000 Btu/h output and above. It is important that your fuel supplier is advised to deliver the correct grade of fuel.

INSTALLATION

Installation must comply with the current British Standards and The Building Regulations. Comprehensive technical information can be found in the installation manual which is supplied with every boiler.

CONVENTIONAL FLUES

Multi Pass boilers have extremely high efficiencies which result in lower flue gas temperatures. It is important to use the correct size of flue as specified in the installation manual.

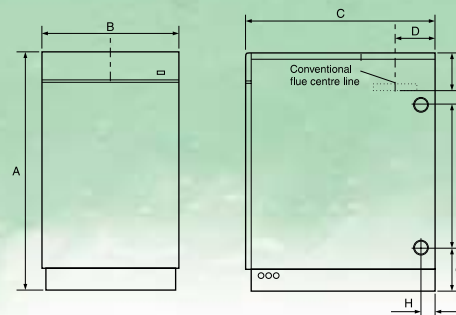
GUARANTEES

The unique heat exchanger on the Multi Pass boiler is covered by a 5-year guarantee. All other component parts of the boiler are guaranteed for 2 years from the date of purchase, subject to being installed in accordance with the manufacturers instructions. There is also an optional 3-year extended warranty scheme available. On completion of the installation all Multi Pass boilers should be commissioned and the guarantee registration form returned to Grant UK.

AFTER SALES SERVICE

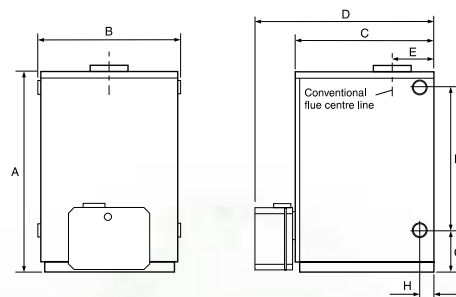
For peace of mind, all Grant central heating boilers are backed by a national network of independent service engineers. In the unlikely event of a problem occurring, your installer should telephone our Customer Service Department on: 0870 7775553.

The Multi Pass Kitchen Model dimensions



	Kitchen (Cased) Dimensions (mm)							
Model	A	B	C	D	E	F	G	H
50/70	860	410	605	120	170	499	160	36
70/90								
90/140	1080	410	690	125	200	650	180	54
140/160								
160/200	1200	530	835	148	175	700	245	75

The Multi Pass Boiler House Model dimensions



	Boiler House Dimensions (mm)							
Model	A	B	C	D	E	F	G	H
70/90	720	450	445	625	145	499	160	65
90/140	895	450	480	655	135	650	185	68
140/160								
160/200	1000	550	580	765	145	700	240	70



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MULTI PASS[®] RANGE

Multi Pass Kitchen Range
Multi Pass Boiler House Range
Multi Pass Sealed System Range

**HIGH EFFICIENCY PRESSURE
JET OIL-FIRED BOILERS
FOR BALANCED OR
CONVENTIONAL FLUES**



- Unique 'multi-pass' design achieves high levels of efficiency (95% nett) SEDBUK 'C' 85.7% Gross*
- Whisper quiet operation
- 8 Kitchen and 4 Boiler House models available
- Suitable for domestic and small commercial applications with outputs from 50-200,000 Btu/h
- Now available with the new EZ-FIT flue system
- Extremely low running costs
- Tastefully styled to fit beautifully into your kitchen
- Kitchen models up to 90,000 Btu/h designed to fit under standard height worktop
- Full front access for ease of servicing
- Reversible hinged front door
- 'Sealed System' versions available
- 5-year guarantee on boiler heat exchanger



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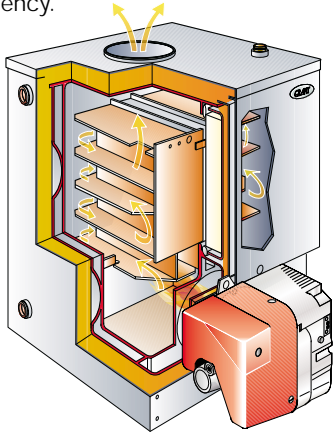
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GRANT^{UK}
OIL FIRED BOILERS

GREATER EFFICIENCY

The Grant Multi Pass range of fully automatic pressure jet oil-fired boilers have been designed and tested to comply with the OFTEC Standard OFS A100 (EN303 Part 4) and meet the requirements of the new European Boiler Efficiency Regulations with a highly efficient heat exchange operation achieving around 95% nett thermal efficiency.



MULTI PASS HEAT EXCHANGER

Its advanced 'Multi Pass' design forces the hot gases through the unique, patented, heat exchanger up to a distance of approximately 6.8 metres (22ft), holding them in contact with the boiler surface area for longer. This process vastly increases the amount of heat transferred to the water jacket enabling the boiler to operate continually at much higher efficiencies whatever the output.

The elegant white-cased kitchen range has outputs from 50,000 Btu/h to 200,000 Btu/h and models up to 90,000 Btu/h are designed to kitchen modular dimensions. The space-saving blue boiler house versions, with outputs ranging from 70,000 Btu/h to 200,000 Btu/h, are the answer where the boiler is installed in a garage or outhouse.

LESS HARM TO THE ENVIRONMENT

With its high efficiency, low NOx emissions and clean combustion, the Multi Pass is probably one of the most environmentally-friendly oil-fired central heating boilers you can buy.

Installing a Grant boiler can also save money as the higher efficiency means you will burn less fuel, making it more economical to run.

SEALED SYSTEMS KITS

Multi Pass Kitchen and boiler house models with outputs between 50-200,000 Btu/h, are all suitable for use on sealed heating systems. Boiler house models and 140-200,000 Btu/h



kitchen models can be supplied with a pre-assembled kit which converts standard models to sealed system operation.

The kit comprises; an expansion vessel, filling loop with isolating valves, pressure gauge, automatic air vent and pressure relief valve, and can be fitted in minutes as only two simple connections are required.

Three sealed system kits are available. One for outputs up to 90,000 Btu/h, one for outputs up to 140,000 Btu/h and one for outputs up to 200,000 Btu/h.



Factory-fitted Grundfoss 15-60 circulating pump on kitchen system boilers up to 140,000 Btu/h.

SEALED SYSTEM BOILERS

There are also 3 Multi Pass system kitchen boilers available with outputs from 50-140,000 Btu/h. These models are supplied with the 'Sealed System Kit' factory-fitted and also include a Grundfoss 15-60 circulating pump within the boiler casing.

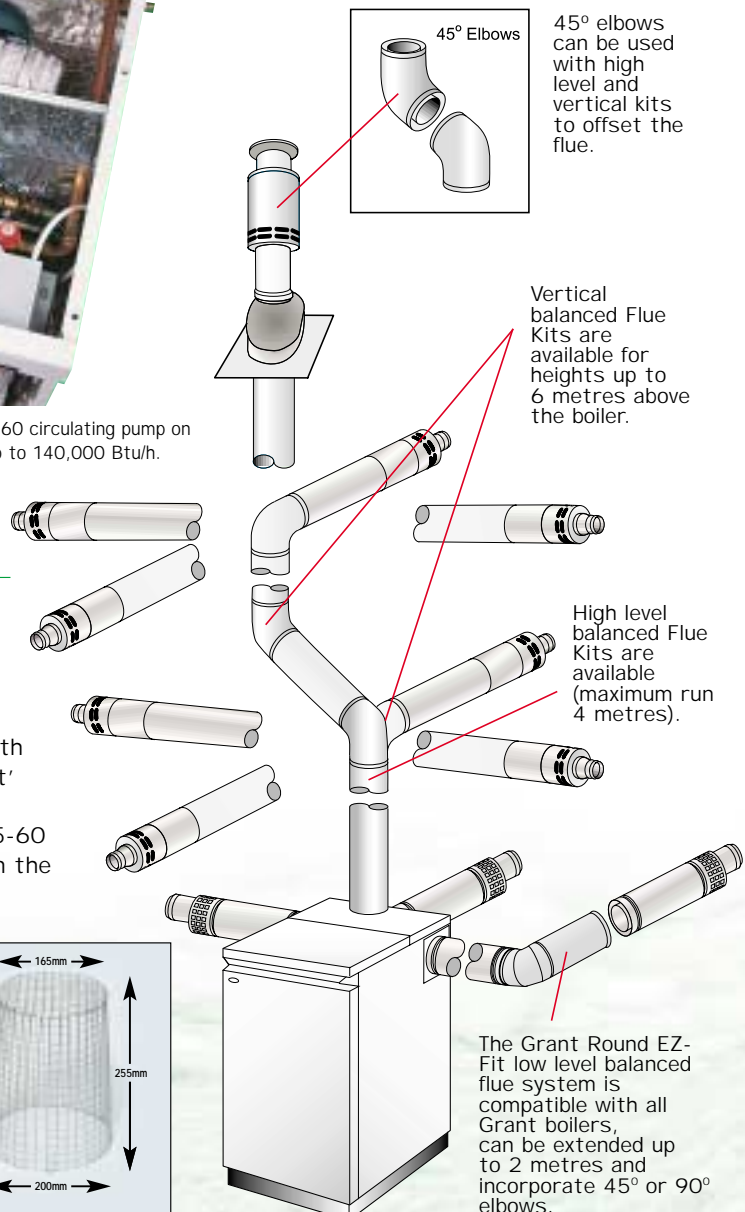


EZ-FIT FLUE

Both the kitchen and boiler house models are supplied suitable for conventional flues, however, they can also be installed with Grant's new 'EZ-FIT' multi-directional low level balanced flue kits, which with the new self-sealing ducts, vastly cut down on installation time. The new kit incorporates an extremely small stainless steel terminal guard, is designed to be less obtrusive and can be installed using a core drill. High level and vertical EZ-Fit balanced flue kits and optional 45° and 90° elbows are also available. For full details of all flue options please consult Grant's latest Retail Price List or ask for our comprehensive flue guide.

THE ADDED BENEFITS OF GRANT BALANCED FLUE BOILERS

At Grant, we have developed an external low level balanced flue terminal that is not adversely affected by strong winds. Another unique feature is a sealed burner, making Grant balanced flue boilers exceptionally quiet in the kitchen environment.



Multi Pass 50/70 & 70/90 Models

- 1 Factory fitted Control Panel
- 2 Knockout for electronic programmer kit
- 3 Boiler on/off switch with neon indicator
- 4 Boiler thermostat
- 5 Overheat thermostat
- 6 Service access door
- 7 Riello RDB Burner
- 8 Drain Cock
- 9 Quick-release plinth



Multi Pass 50/70 & 70/90 Sealed System Models

- 1 Filling Loop for Sealed System
- 2 System Pressure Gauge
- 3 Isolating Valve
- 4 Boiler thermostat
- 5 Overheat thermostat
- 6 Expansion Vessel
- 7 Riello RDB Burner
- 8 Flexible hose
- 9 Drain Cock



Optional 7 Day
Electronic
Programmer
(Models up to
140,000 Btu/h)

