

GRANT BACK BOILERS



The Grant Easy-Clean Triple Pass Back Boiler

*IMAGES USED FOR ILLUSTRATION PURPOSES ONLY



EFFICIENT HEATING SOLUTIONS

FEATURES

**FOR ALL ROUND COMFORT AND ECONOMY
CONSIDER THE FOLLOWING FACTS:**

- HEATS UP TO 10 RADIATORS
- CONSTANT HOT WATER
- BURNS MOST SOLID FUELS
- OVERNIGHT BURNING
- DROP FRONT ON THE QUEEN STAR FIRE FOR MORE RADIANT HEAT
- SIMPLE ASH REMOVAL
- WEEKLY CLEANING IS EASILY CARRIED OUT WITH A SPECIAL TOOL SUPPLIED WITH THE BOILER
- FITS MOST STANDARD FIREPLACES

JANUARY 2015

Come Home to a Real Fire Central Heating

Grant Engineering (Ireland) Ltd. with modern technology and modern methods of manufacturing, have developed the super efficient Grant Easy-Clean Triple Pass Boiler with Queen Star Fire. Outputs can be increased by keeping the flueways clean with the unique easy-clean system. This unique design gives maximum efficiency and the reason for the high efficiency and high output is the triple pass principle. The major advantages of this system over other boilers is sending the flames vertically downwards on the second pass, so entrapping the flames much longer. The output is also enhanced by the fact that the flames rapidly change direction which aids combustion and heat transfer. This is an obvious advantage over boilers with a straight vertical flue where the flue gases rise undisturbed through the flueways at a greater speed. Also a new development – the extreme ease in which the boiler can be cleaned, taking only about five minutes weekly to clean the flueways. The Grant Easy-Clean Triple Pass Boiler is ideal for link up with oil boilers. With this unique design and high efficiency this must be the boiler for you.



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RESULTS BASED ON BURNING RATES SHOWN BELOW. AT HIGHER BURNING RATES, THE EFFICIENCY VARIES MUCH LESS THAN WITH VERTICAL FLUED BOILERS. VERY HIGH OUTPUTS CAN BE ACHIEVED ON A GRANT EASY-CLEAN – ENOUGH TO RUN UP TO TEN RADIATORS AND CONSTANT HOT WATER.

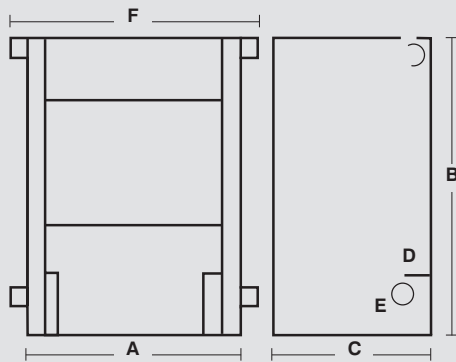
QUEEN STAR FIRE

The Queen Star Fire is available in matt black and copper lustre and is NOT supplied as part of the back boiler unit, it is a separate order.

16" BOILER				18" BOILER			
When burning housecoal at 1.81 kg/h				When burning housecoal at 2.12 kg/h			
Heat output component	Direct kW/Btu/h	Water kW/Btu/h	Total kW/Btu/h	Heat output component	Direct kW/Btu/h	Water kW/Btu/h	Total kW/Btu/h
Damper closed (H.R.O.)	1.9/6.483	5.5/18.766	7.4/25.249	Damper closed (H.R.O.)	2.3/7.848	6.1/20.813	8.4/28.661
Damper open (H.B.O.)	1.3/4.436	9.0/30.708	10.3/35.144	Damper open 18mm (H.B.O.)	1.8/6.142	10.1/34.461	11.9/40.603
When burning smokeless fuel at 1.36 kg/h				When burning smokeless fuel at 1.59 kg/h			
Heat output component	Direct kW/Btu/h	Water kW/Btu/h	Total kW/Btu/h	Heat output component	Direct kW/Btu/h	Water kW/Btu/h	Total kW/Btu/h
Damper closed (H.R.O.)	2.0/6.824	5.7/19.448	7.7/26.272	Damper closed (H.R.O.)	2.5/8.530	5.4/18.425	7.9/26.955
Damper open (H.B.O.)	1.7/5.800	7.2/24.566	8.9/30.367	Damper open 12mm (H.B.O.)	2.0/6.824	8.0/27.296	10.0/34.12

BUILDERS OPENINGS

Boiler Size	Height from Hearth	Width	Depth
16"	585mm/23"	610mm/24"	355mm/14"
18"	585mm/23"	660mm/26"	355mm/14"



Tappings 1" B.S.P.

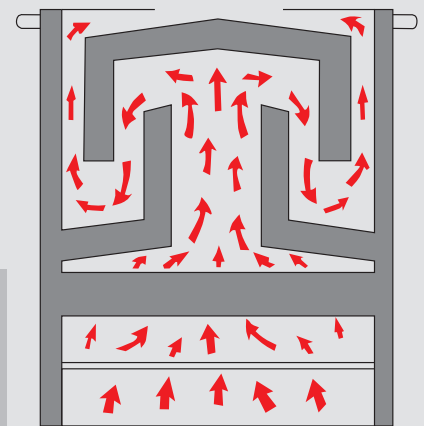
Boiler Size	mm A	mm B	mm C	mm D	mm E	mm F
16"	405	557	325	75	115	520
18"	457	557	325	75	115	570

The 16" and 18" Grant Easy-Clean Triple Pass Boilers, and the 16" and 18" Queen Star Fires have been tested and approved by the U.K. Domestic Solid Fuel Appliances Approval Scheme after tests carried out to British Standard Specification 4834.

Details may change without notice.

GUARANTEE

The Grant Easy-Clean Triple Pass Boiler is guaranteed for five years from date of purchase. This guarantee does not include cast iron parts, labour, handling or shipping.



Cutaway diagram shows how fantastic heating power is achieved

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Other products available from Grant Engineering



Condensing Boilers

Wood Pellet Boilers

Cylinders

Solar Thermal Water Heating Systems

EZ-Fit Flue Systems