



PRESTIGE

**CAST IRON BOILER
OIL & GAS FIRED**

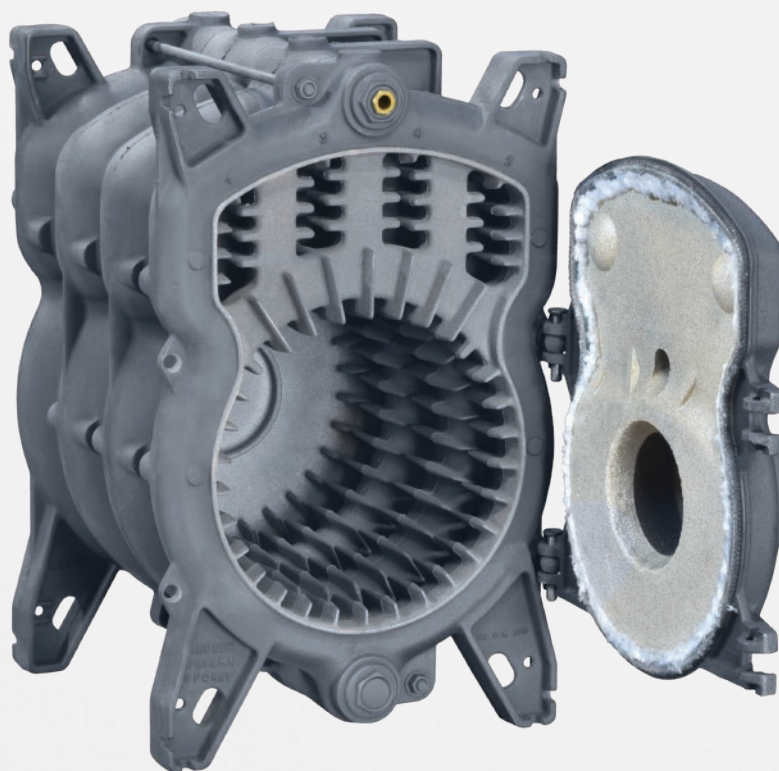
**Rated Output:
24Kw to 70 Kw**



 **Saint Roch**

- **SAINT ROCH**
Hypoeutectic grey cast iron
- 7 model range from:
24 kw - 70 kw
- 90.6 - 92% Efficiency
- Operates with forced
draught oil or gas burners
- Resistant
to condensation
- Operates at low or sliding
temperatures
- 6 Bar working
pressure
- Refractory cord
between elements
- Hinged door for easy
maintenance
- 10 year guarantee
- Economic/energy saving
eco-friendly

PRESTIGE



3 Pass Reversible flame Boiler

Design

The Prestige Boiler has special Round Combustion chamber with Fins to ensure full exposure of the heat provided by the burner

Maintenance

Designed with Hinged door.

Horizontal Flue ways with /2/ or /4/ Cast iron Turbulators No Vertical flue ways from Combustion chamber to the upper Flue ways Which makes the Cleaning very easy task.



SAINT ROCH Burners

The SAINT ROCH cast iron boilers can be supplied complete with burners that are for forced draught oil or gas. It is highly recommended to supply the package boiler+burner, as the SAINT ROCH burners are specifically adapted and tested for optimal operation with SAINT ROCH boilers.

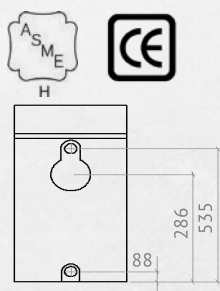


Model	3	4	4.1	5	5.1	6	6.1
Heat Out put	24	32	40	48	56	64	70
Heat In put	26.5	34.9	43.9	52.1	61.5	69.6	76.4
Recomanded Burner	S3	S5	S5	S5	S5	S10	S10
Nozzle size	0.60X60	0.65X60	0.75X60	0.85X60	1.00X60	1.25X60	1.50X60

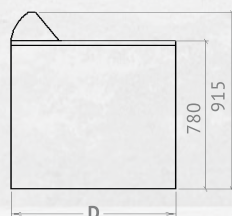
Technical Data

Model		3	4	4.1	5	5.1	6	6.1
Flue gas outlet diameter	mm	130	130	130	150	150	150	150
Number of elements		3	4	4	5	5	6	6
Rated output kW	kW	24,0	32,0	40,0	48,0	56,0	64,0	70,0
Nominal thermal capacity kW	kW	6,5	34,9	43,9	52,1	61,5	69,6	76,4
Flue gas flow rate	kg/h	40,0	52,9	66,5	78,9	93,1	105,4	115,7
Volume of flue gas	m ³ /h	69,2	91,2	113,5	130,9	159,7	173,4	196,7
CO ₂ gas rate	%	10.2	10.2	10.2	10.2	10.2	10.2	10.2
Flue fuel flow rate	kg/h	27,0-40,0	40,0-53,0	53,0-67,0	67,0-80,0	78,8-94,0	93,0-105,8	105,0-121,0
CO ₂ fuel rate	%	13	13	13	13	13	13	13
Outgoing flue gas temperature	°C	160-198	160-188	160-193	160-180	160-195	160-176	160-191
Volume of (furnace - combustion chamber)	m ³	0.03	0.044	0.044	0.058	0.058	0.072	0.072
Length of (furnace - combustion chamber)	mm	265	395	395	525	525	655	655
Diameter of furnace	mm	330						
Necessary draught	mbar	0.1	0.12	0.14	0.16	0.18	0.2	0.23
Load loss combustion circuit	mbar	0.1	0.12	0.14	0.16	0.18	0.2	0.23
Efficiency at nominal load (100%/70°C)	%	90.6	91.7	91.1	92.1	91.1	92	91.6
(Stop - heat) loss ΔT30°	W	72	96	120	96	112	64	70
Nominal water flow rate ΔT20°	m ³ /h	1.032	1.376	1.72	2.064	2.408	2.752	3.01
Water capacity	L	19	26	26	33	33	40	40
Operating maximum pressure	bar	6	6	6	6	6	6	6
Maximum water flow temperature	°C	85	85	85	85	85	85	85
Load loss on water side	when T = 10 K	mbar	2.85	5.04	7.91	11.3	15.5	20.2
	when T = 20 K	mbar	0.713	1.26	1.989	2.84	3.875	5.05
Boiler setting range	°C	30-90	30-90	30-90	30-90	30-90	30-90	30-90
Overheating safety temperature	°C	120	120	120	120	120	120	120
Depth of boiler (P)	mm	465	595	595	725	725	855	855
Burner fixing diameter	mm	110	110	110	110	110	110	110
Supply	"G	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Return	"G	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Drain cock	"G	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Net weight estimated	kg	138	173	176	212	217	249	255
Number of Baffles		4	2 (middle)	4	2 (middle)	4	2 (middle)	4
Re-circulation pipe		130x140	140x177	140x177	140x177	140x177	140x177	140x177

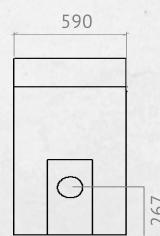
MODEL		3	4	4.1	5	5.1	6	6.1
Depth	(mm)	470	600	600	730	730	860	860



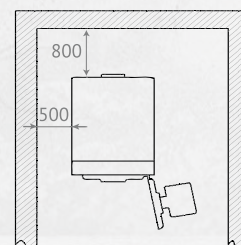
REAR VIEW



SIDE VIEW



FRONT VIEW



TOPVIEW



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