



ULTRA

**CAST IRON BOILER
OIL & GAS FIRED**

**Rated Output:
27 KW - 83 KW**



 **Saint Roch**

- **SAINT ROCH**
Hypoeutectic grey cast iron
- **6 model range from:**
27 kw - 83 kw.
- **Efficiency:**
at 30% charge 90-91.1%
at 100% charge 89.9-90.5%
- **Operates with forced**
draught oil or gas burners
- **Resistant**
to condensation
- **Operates at low or sliding**
temperatures
- **6 Bar working**
pressure
- **Hinged door for easy**
maintenance
- **10 year guarantee**
- **Economic/energy saving**
eco-friendly

ULTRA

The SAINT ROCH Ultra is a medium power boiler that can be equipped with a forced draught oil or gas burner.

It has a cast iron body and an anti-corrosion combustion chamber.

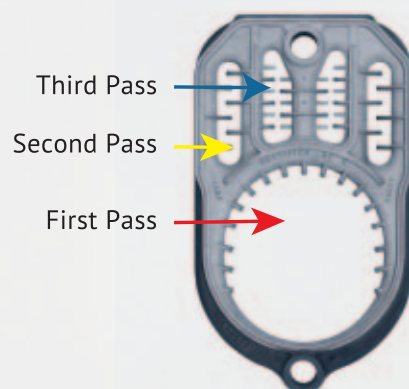
The SAINT ROCH Ultra satisfies all individual and collective domestic heating needs.



3 Pass Boiler Design

The heating elements are engineered to ensure high efficiency and boiler safety.

The advanced element engineering ensures full exposure to burner heat, preventing the formation of dangerous inner stresses and reducing noise levels.



3 Pass Boiler Design



Saint Roch Burners

The SAINT ROCH ULTRA 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.

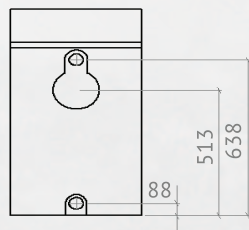


Model	4	5	6	7	8	9
Heat Output	27.26	38.61	49.95	61.29	72.64	83.39
Heat Input	30.33	42.82	55.76	67.67	80.07	92.14
Recommended	S3	S5	S5	S5	S10	S10
Nozzle size	0.65X80	0.75X60	0.85X60	1.00X60	1.25X60	1.50X60

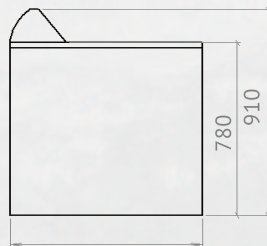
Technical Data

Model			4	5	6	7	8	9
Heat output CE 92/42		KW	27.26	38.61	49.95	61.29	72.64	83.39
Input power		KW	30.33	42.82	55.26	67.67	80.07	92.14
Number of elements			4	5	6	7	8	9
Gas	Flowing fume mass	Kg/h	46	65	84	102	121	139
	Fume volume	m ³ /h	65	91	115	140	164	188
	CO2 percentage	%	10.2	10.2	10.2	10.2	10.2	10.2
Oil	Flowing fume mass	Kg/h	47	67	87	106	125	144
	Fume volume	m ³ /h	66	93	118	143	168	193
	CO2 percentage	%	12.7	12.7	12.7	12.7	12.7	12.7
Fume temperature		°c	217	214	207	203	199	195
Fume Circuit volume		L	21.9	28.9	35.9	42.8	49.8	56.8
Combustion chamber lenght		mm	248	331	414	497	580	663
Combustion chamber Diameter		mm	300*270	300*270	300*270	300*270	300*270	300*270
Necessary draw		mbar	0.10	0.12	0.16	0.24	0.31	0.40
Fume resistance		mbar	0.05	0.07	0.11	0.19	0.26	0.35
Efficiency at 30 % charge 50°c		%	90.0	90.5	90.7	91.2	91.5	91.1
Efficiency at 100 % charge 70°c		%	89.9	90.2	90.4	90.6	90.7	90.5
Nominal water flow at Pn ΔT 15°		m ³ /h	1.2	1.7	2.1	2.6	3.1	3.6
Water capacity		L	13.5	16.4	19.3	22.2	25.1	28.0
Maximum working pressure		Bar	6	6	6	6	6	6
Working temperature		°c	90	90	90	90	90	90
Ø Flue outlet		mm	130	130	130	150	150	150
Supply Ø		"G	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
return Ø		"G	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Drain		"G	1/2	1/3	1/4	1/5	1/6	1/7
Boiler body weight		Kg	131	154	180	205	228	254

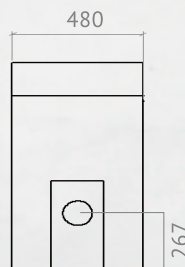
MODEL		4	5	6	7	8	9
Dimensions (mm)	B - Depth	440	520	600	680	760	840



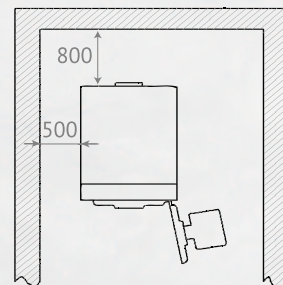
REAR VIEW



SIDE VIEW



FRONT VIEW



TOPVIEW



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