COMBI

CAST IRON BOILER OIL & GAS FIRED WITH SANITARY HOT WATER COIL

Rated Output:
36 KW - 81 KW

Saint Roch

Saint Roch

COMBI

- SAINT ROCH
  Hypoeutectic grey cast iron
- 5 model range from:
  36 kw - 81 kw
- 90.3 - 91% Efficiency
- Operates with forced draught oil or gas burners
- Resistant to condensation
- Operates at low or sliding temperatures
- 4 Bar working pressure
- Hinged door for easy maintenance
- 10 year guarantee
- Economic/energy saving eco-friendly

The new Saint Roch COMBI Boiler is a high efficiency, triple pass, multi-fuel boiler equipped with a cylindrical coil chamber on top. The coil chamber can be used to produce DHW using Hypoeutectic, Grey Cast iron, Saint Roch COMBI boilers are cast for strength and durability, The heat exchanger is designed with multiple finned columns which direct boiler water flow to scrub the finned coil in the chamber above the heat exchanger.

Boiler sections are connected with push nipples on water side and have compressed sealant on the fireside.

The COMBI has a full swing door for easy, complete access to the combustion chamber and heat exchanger for service. The entire COMBI boiler range performs at efficiencies exceeding 90 %.

The new Saint Roch COMBI boiler series are the most recent addition to Saint Roch product line and herald the next generation of high efficiency, low emission.

Sanitary Hot Water Coil

The uniqueness of the COMBI boiler is the fact that it combines the cast iron block with a chamber with coil for the production of Domestic Hot Water.

The DHW chamber is positioned on top of the boiler and the coil is made of copper with multiple fins for optimal heat exchange.

The coil can be easily removed from the front of the boiler through a plate with bolts, for practical cleaning and maintenance.

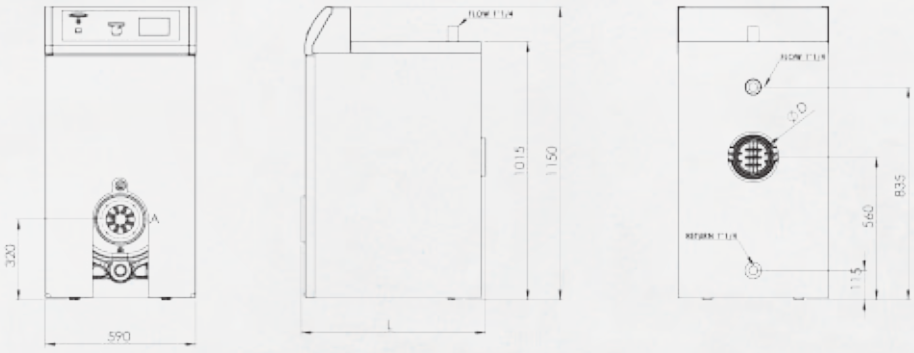
SAINT ROCH Burners

The SAINT ROCH cast iron boilers can be supplied complete with burners that are 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.

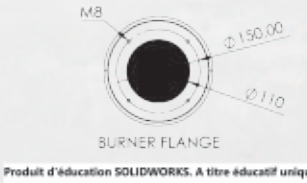
Model	3	4	5	6	7
Heat Output	36.0	46.5	58	70	81
Heat Input	40	51.4	64	77.5	89.5
Recommended Burner	S5	S5	S5	S10	S10
Nozzle Size	0.75X60	0.85X60	1.00X60	1.25X60	1.50X60

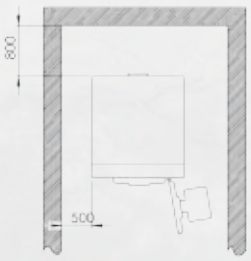
Technical Data

MODEL			3	4	5	6	7
Heat output		KW	36.0	46.5	58.0	70.0	81.0
Input power		KW	40.0	51.4	64.0	77.5	89.5
Number of elements			3	4	5	6	7
Oil	Flowing fume mass	Kg/h	63	81	100	122	131
	Fume volume	m^3/h	25.8	35.4	45	54.6	64.2
	CO2 percentage	%	12.5	12.5	12.5	12.5	12.5
Fume temperature		°c	200	195	210	220	220
Combustion chamber lenght		mm	400	530	660	790	920
Combustion chamber Diameter		mm	295	295	295	295	295
Fume resistance		mbar	0.25	0.27	0.30	0.35	0.40
Efficiency at 30 % charge 50°c		%	91.0	91.0	91.0	91.0	91.0
Efficiency at 100 % charge 70°c		%	90.4	91.0	90.9	90.3	90.5
Water capacity		L	38.5	48.8	58.4	68.3	78.2
Maximum working pressure		Bar	4	4	4	4	4
Working temperature		°c	95	95	95	95	95
Ø Flue outlet		mm	130	130	130	150	150
Drain		''G	3/4''	3/4''	3/4''	3/4''	3/4''
Boiler body weight		Kg	177	219.5	262	304,5	347



COMBI	3	4	5	6	7
L (mm)	460	590	720	850	980
Ø D	130	130	130	150	150





Saint Roch

Saint Roch S.R.L
Via Ritonda 79 - 37047
San Bonifacio (VR)
ITALY

Tel. +39 045 445 0067
Fax. +39 045 445 0068
info@saintrochsrl.com
www.saintrochsrl.com