

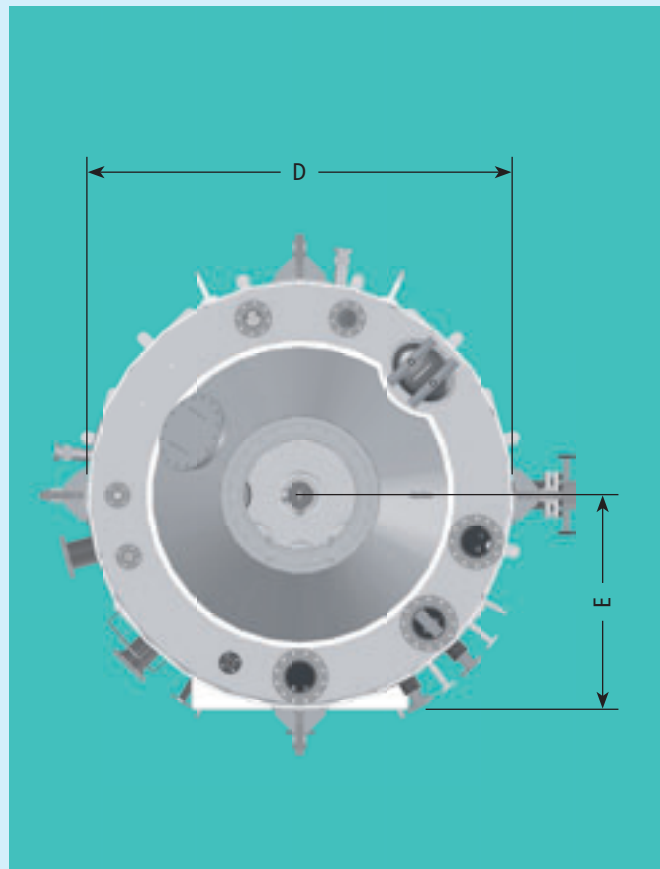
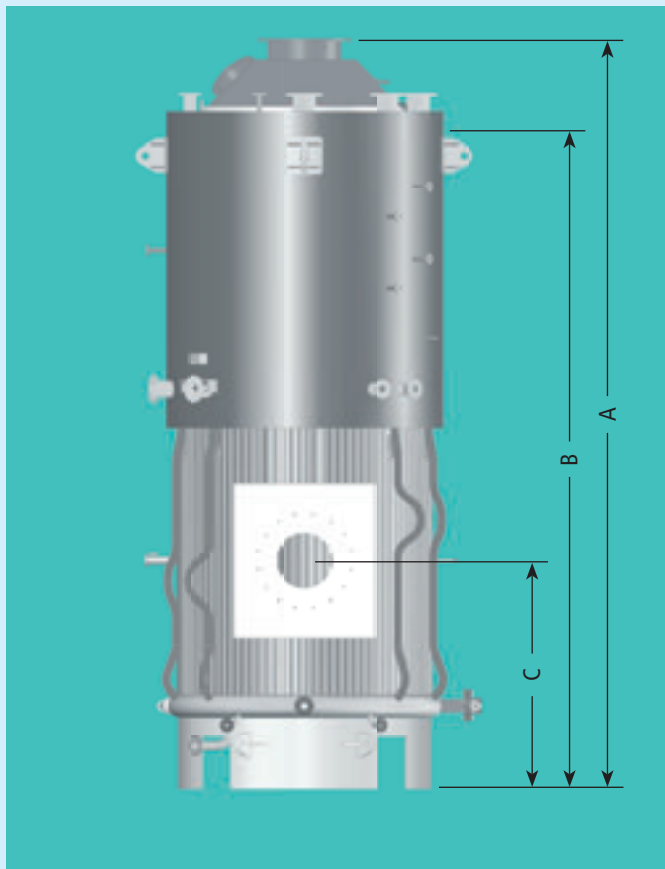
Capacity	6 - 25 t/h
Design pressure	up to 1.0 MPa

Design Features

The FMB-VM is a water tube type steam boiler for medium power range. The radiation heat transfer is performed in the membrane wall furnace of cylindrical design, whilst the convection heat transfer is carried out through special pin elements / rifled plain smoke tubes. The convection part can be equipped with rifled plain smoke tubes on request up to 16 t/h steam capacity.

An effective natural water circulation is ensured in all areas of the boiler by means of several external downcomer pipes connecting the water / steam drum with the ring-shaped collector at the boiler basement.

The special spherical shape of the furnace top plate gives an increased stability against ship vibrations and protects this part of the boiler against partial overheating, because residues in the boiler water are led to the downcomer connections on the periphery of the drum before they can accumulate on the furnace top plate.



Steam capacity t/h	Design pressure MPa	A mm	B mm	C mm	D* mm	E mm	Boiler dry weight** kg	Water volume at NWL m ³	Recommended burner type***
6.0	1.0	5200	4620	1570	2500	1470	12550	5.4	SKV-A 46
8.0	1.0	5900	5320	1820	2500	1470	14900	5.3	SKV-A 68
10.0	1.0	6600	6020	2020	2500	1470	15950	5.3	SKV-A 82
12.0	1.0	6400	5720	2020	2900	1670	19000	8.1	SKV-A 102
14.0	1.0	6900	6220	2120	2900	1670	21400	8.0	SKV-A 124
16.0	1.0	7500	6720	2220	2900	1670	22700	7.9	SKV-A 134
20.0	1.0	7200	6420	2220	3300	1870	26700	10.2	SKV-A 152
25.0	1.0	8100	7320	2320	3300	1870	29650	10.8	DDZ-M 200.02

* including insulation

** including insulation, refractory, valves and recommended burner

*** please note that recommendation of burner type is based on 60Hz frequency, for 50Hz applications, the burner type may be different

Dimensions A and B as well as weight and water volume may differ for systems with forced circulation exhaust gas economisers which use the FMB-VM boiler as steam separator.

For GL and RMRS the boiler height, weight and water volume will be increased.