

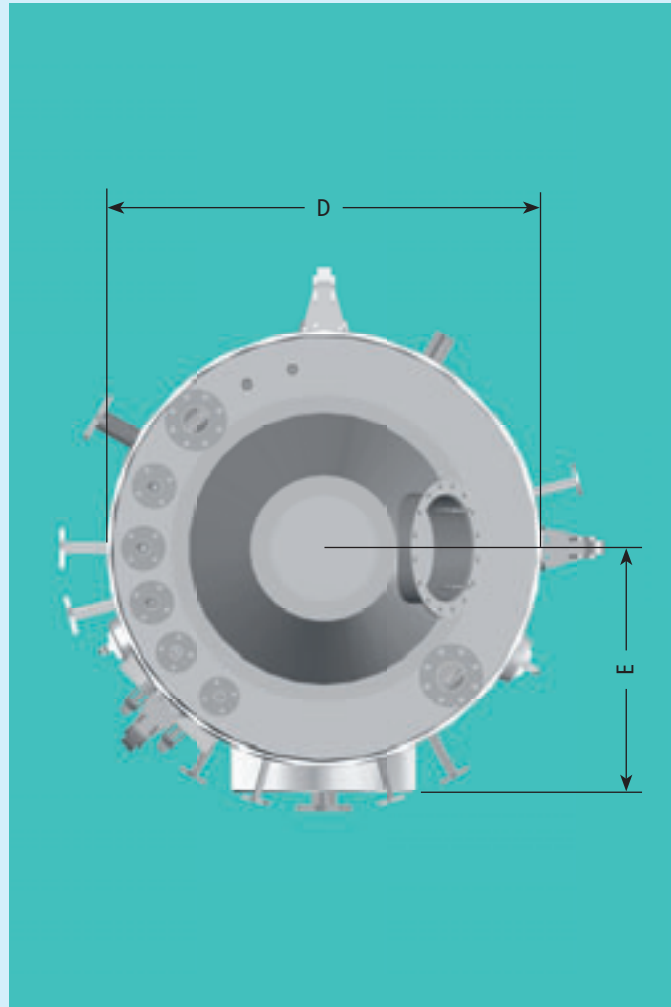
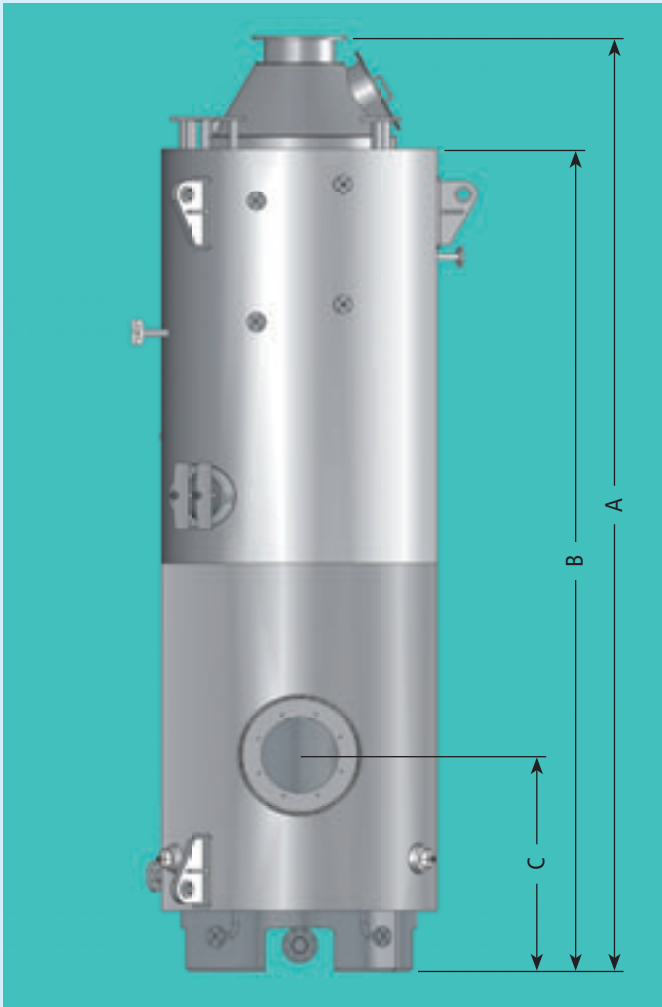
Capacity	up to 5 t/h
Design pressure	up to 1.2 MPa

Design Features

The FMB-VS is a vertical fired boiler.

The heat transfer is performed through the plate furnace and a number of rifled plain smoke tubes. The convection part can be equipped with pin tubes on request.

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 boiler bottom 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***
1.0	1.0	5070	4320	1200	1560	830	5900	3.2	SKVJ-M 10
1.5	1.0	5070	4320	1200	1560	830	5900	3.2	SKVJ-M 14
2.0	1.0	5070	4320	1230	1760	930	6900	4.1	SKVJ-M 18
2.5	1.0	5440	4690	1300	1760	930	7500	4.3	SKVJ-M 18
3.0	1.0	5590	4840	1400	1960	1030	9200	5.5	SKVJ-M 24
3.5	1.0	5590	4840	1400	1960	1030	9200	5.5	SKVJ-M 28
4.0	1.0	5740	4990	1480	2260	1180	11200	7.6	SKVJ-M 36
5.0	1.0	5740	4990	1480	2260	1180	11200	7.6	SKVJ-M 46

* 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-VS boiler as steam separator.

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