

PARAT MSH

# Horizontal Smoke Tube Boiler



PARAT®

# PARAT MSH: Horizontal Smoke Tube Boiler

## Technical data

- **Horizontal design**
- **Stable pressure**
- **Pre-assembled, turnkey**
- **Easy maintenance**
- **Capacity up to 20 t/h**
- **Approved by DNV, LRS, BV, ABS, RMRS etc**
- **Available with oil, gas or dual fuel burner**

The boiler is of horizontal design with smoke tubes through the boiler and steam evaporation at the upper section. The boiler is constructed from drawings approved by all classification societies and delivered with equipment in accordance with class requirements.

The burner is easily accessible for inspection and maintenance. The combustion chamber is dimensioned for burning of MDO and HFO. The boiler is delivered as a complete unit, insulated and pre-assembled with all valves and instruments, burner and control panel.

The control system is designed to enable an unmanned engine room. The system is fully automatic and operates with electronic controllers and electric/pneumatic actuators. The panel is mounted on the side of the boiler, and all operation of the boiler control panel is done from the local touch screen. Boiler PLC can be connected to the main control system by standard ethernet/profibus/modbus communication.

kg steam/h	MW	L (mm)*	D (mm)	H (mm)	Transp. weight (Tons)	Weight full (Tons)	Main steam valve DN	Safety valve DN	Feed water DN	Blow-down DN	Smoke exhaust DN
1.000	0.7	2.900	1.600	1.775	3.0	5.0	50	2x25	25	2x32	300
1.500	1.0	3.100	1.900	2.075	6.0	9.3	50	2x25	32	2x32	300
2.000	1.3	3.700	1.900	2.075	7.0	11.0	65	2x25	32	2x32	300
2.500	1.7	4.000	2.050	2.225	8.0	13.5	65	2x25	32	2x32	400
3.000	2.0	4.100	2.100	2.275	9.0	14.0	80	2x25	32	2x32	400
4.000	2.7	4.250	2.300	2.475	12.0	19.5	80	2x32	32	2x32	500
5.000	3.4	5.000	2.400	2.575	16.5	27.0	100	2x32	32	2x40	500
6.000	4.0	5.150	2.500	2.675	18.0	29.0	100	2x40	40	2x40	600
8.000	5.4	5.700	2.700	2.875	22.0	36.0	125	2x40	40	2x40	650
10.000	6.7	6.300	2.900	3.075	25.0	43.0	125	2x50	40	2x40	650
12.000	8.1	6.600	3.000	3.175	28.0	50.0	150	2x50	40	2x40	700
13.000	8.8	7.000	3.100	3.275	30.0	54.0	150	2x50	40	2x40	700
15.000	10.1	7.400	3.300	3.475	33.0	58.0	150	2x65	50	2x40	800
16.000	10.8	7.600	3.400	3.575	34.0	60.0	150	2x65	50	2x40	800
18.000	12.1	7.800	3.600	3.775	36.0	74.0	200	2x65	50	2x40	900

Technical data at an operating pressure of 7 barg and feed water temp 80°C. We reserve the right to make changes. \* Length measured without burner.

