

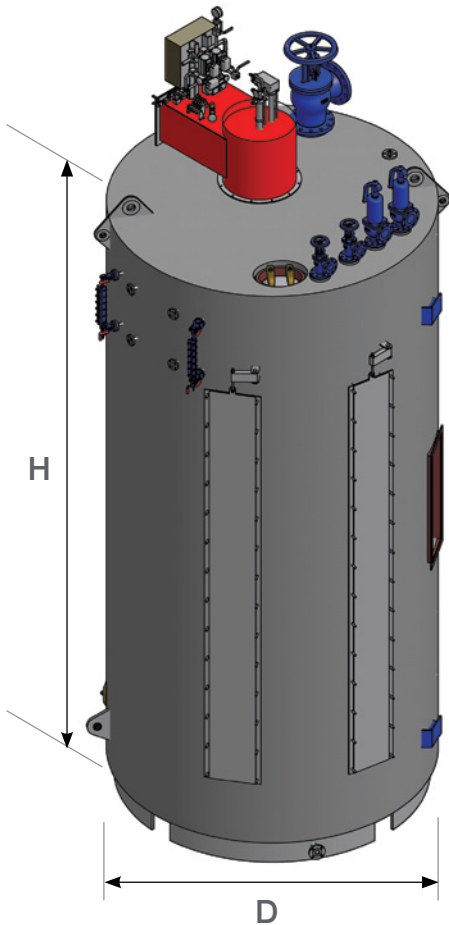
PARAT MTW

Marine Top-Fired Water Tube Boiler



PARAT MTW: Marine Top-Fired Water Tube Boiler

Technical data



- The compact and efficient boiler for medium and larger vessels
- Capacities from 8 – 45 t/h
- Designed to meet the demand for low weight, limited space requirements and short warm-up time
- Improved operation and low maintenance with cross flow design
- Steam atomizing burner for oil, gas and dual fuel
- Pre-assembled, delivered as turnkey solution
- Available with certificates from all major class societies incl. ASME S-stamp

The PARAT top fired water tube boiler is a fully automatic steam boiler. A sufficiently dimensioned steam drum makes the boiler suitable for evaporating steam from additional external exhaust gas boilers. The design and performance is a result of solid experience and high technical standards. The boiler is supplied with a circular furnace, constructed from membrane walls and convection sections with a combination of bare tubes and pin tubes. The heat flows cross sectional with a high flue gas velocity. With this unique design, both improved performance and reduced maintenance is achieved. The boiler fulfills the most stringent equipment standards and is available with certificates from all major class societies.

Fittings and equipment are in accordance with class requirements. Our main equipment manufacturers supply high standard products. The steam atomizing burner can be supplied for oil, gas or dual fuel.

The control system is designed to enable an unmanned engine room. The system is fully automatic and operates with electronic and electric/pneumatic actuators. All operation from the boiler control panel is done from the local touch screen. Boiler PLC can be connected to the main control room with standard ethernet/profibus/modbus communication. Maintenance and inspections can be carried out through large inspection doors. An automatic steam cleaning system is installed between the tube sections. The boiler is preassembled and delivered as complete unit incl. insulation and fittings.

Capacity (t/h)	Design Pressure (barg)	D (mm) Incl. Insulation	H (mm) Incl. Insulation
8	10	2.200	5.000
12	10	2.500	5.900
15	10	2.800	6.150
20	18	3.050	6.700
25	18	3.250	7.300
30	18	3.500	7.850
40	18	3.800	8.500
45	18	4.100	9.000

We reserve the right to make changes.



NS-EN ISO 9001
CERTIFIED COMPANY

