

PARAT MPW

Marine Vertical Pin-Tube Boiler



PARAT MPW: Marine Vertical Pin-Tube Boiler

Technical data

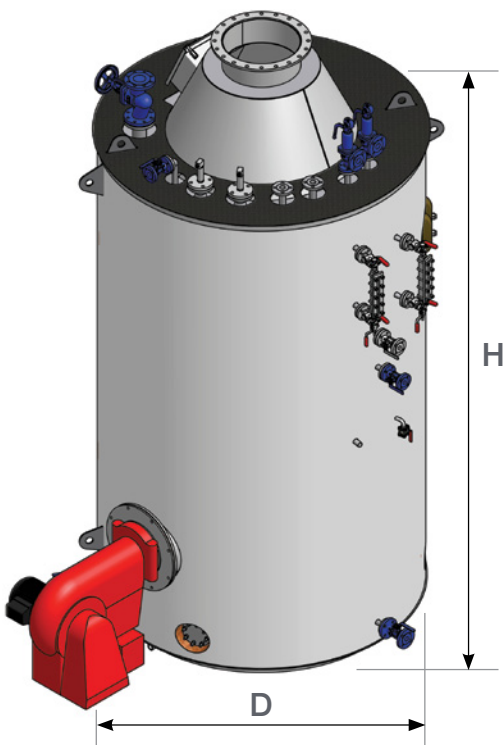
- Capacity up to 6.5t/h
- Vertical Pin-tube arrangement for optimal heat transfer
- Compact design – maximum furnace utilization
- Integrated control system
- Pre-assembled, turnkey solution
- Delivered with burner for oil, gas or combined oil/gas
- Available with certificates from all major classification societies, including ASME S-stamp

The Parat Vertical pin tube boiler is the ideal solution for vessels that require a lightweight steam boiler plant.

The boiler is of vertical design with pin tube bundles fully immersed in the water and steam evaporation in the upper section. The burner is side mounted, thus ensuring optimal inspection and maintenance access. The combustion chamber is well dimensioned for burning MGO, MDO and HFO. The boiler is supplied as a complete unit, insulated and preassembled with all valves and instruments, oil burner and control panel.

Fittings and equipment are in accordance with class requirements. Our main equipment manufacturers supply high standard products. The 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.



Capacity (t/h)	D (mm) Inclusive Insulation	H (mm) Inclusive Insulation	Weight Transport (tons)	Test Weight (tons)
1.0	1.600	3.350	3.5	7.0
1.5	1.700	3.450	4.0	7.7
2.0	1.900	3.450	4.5	9.0
2.5	2.000	3.550	5.0	9.5
3.0	2.100	3.650	6.0	12.0
4.0	2.300	3.850	7.0	14.5
5.0	2.500	3.950	10.0	19.0
6.5	2.700	4.050	11.0	21.0

Technical data at an operating pressure of 10 barg. We reserve the right to make changes.