

PARAT ECS

Electrical Circulation Steam Boiler



NEW!

Excellent upgrade for existing Steam Boilers. Use Shore Power for Emission Reduction at harbour.



Technical data

- **Optimized for retrofitting to existing steam boilers**
- **Use Shore Power for steam production**
- **Emission Reduction at harbour**
- **Electrical Backup during operation**
- **Modular design / Turnkey**
- **Optimize Generator Load**
- **Can be installed during transit**
- **Low turndown and stable operation**

The PARAT Electrical Circulation Steam Boiler was designed to meet the request for a modular and easy to install alternative to MGO fuel for auxiliary boilers on existing vessels in operation. By integrating the ECS in your boiler you have the option to maintain your steam pressure from an electrical power source. The unit can be installed on any kind of existing steam boiler system and will give the vessel the option to run the boiler for steam production from Shore Power, reducing emissions and shutting down fossil fuel burner while at harbour. Can also be used as a backup solution during operation and help keep the power generators at optimized load. The electrical connection can be delivered for 400V, 440V or 690V to suit the power distribution system in the Vessel.

The electrical cabinet is not directly connected to the boiler unit. This ensures a low temperature in the electrical components. The cabinet is standardized, and type approved according to the NEK 400. Included are fuses, contactors and complete safety system. As an option the unit can be delivered with a main power switch. The boiler unit is designed for vertical or horizontal installation depending on the layout and space availability around the main auxiliary boiler. Inlet and outlet connections to main boiler will be done on site.

The ECS can be delivered as a standard modular unit in capacities up to 500kW, which is equivalent to 750kg steam per hour. Larger capacities can be provided upon request. We take care of the retrofit upgrade, installation and optimizing the boiler system.



COMPLETE 3-IN-1 MARINE STEAM BOILER ALSO AVAILABLE

For newbuilds and retrofitting, we also offer our 3-in-1 compact and efficient **PARAT MCS Combined** Exhaust Gas / Fuel-Fired / Electrical Steam boiler. Can also burn fish-oil.



NS-EN ISO 9001
CERTIFIED COMPANY

