

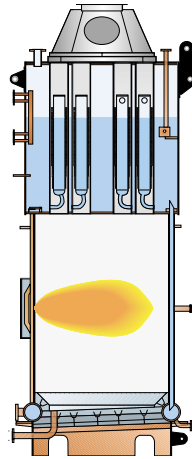
MISSION™ OM



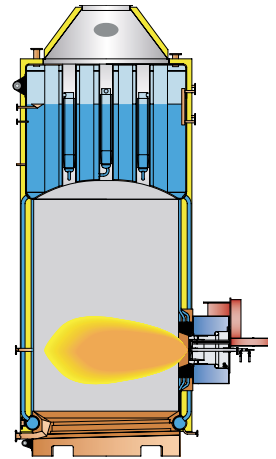
MISSION™ OM is a high performance, medium capacity oil-fired auxiliary boiler with a capacity range from 8 to 45 t/h.

MISSION™ OM is a vertical cylindrical boiler constructed from standard modules. The boiler is delivered as a pre-assembled unit, thus minimising installation time and costs.

MISSION™ OM - a modular boiler



MISSION™ OM 8-20 t/h,
11 bar(g) design



MISSION™ OM 14-45 t/h,
18 bar(g) design



MISSION™ OM is equipped with integrated pin-tube elements in the convection section. The design has been significantly enhanced to achieve lower weight and improved strength. The result is that the lifetime of the pin-tubes is extended by a factor of 8. Furthermore, the pin-tube elements support both the furnace and the boiler top plate.

- Longer lifetime
- Integrated control system
- Spare parts available world-wide
- Low weight and improved strength
- Thermal stress elimination

Aalborg Industries' complete dedication to its products makes Aalborg Industries a highly reliable business partner – now and in the future. Aalborg Industries has gained its position as global market leader through high quality products and a philosophy based on a lifetime commitment to any product supplied. The MISSION™ OM is a medium size boiler designed in accordance with the modular boiler concept of Aalborg Industries.

Construction

MISSION™ OM is a vertical cylindrical medium size steam boiler in the 8 - 45 t/h capacity range. The design is based on Aalborg Industries' thoroughly tested boiler concept. The boiler is constructed from standard modules and comes preassembled in order to minimise installation time. The result is superior reliability and low costs.

Pressure parts

The furnace features gas tight membrane walls. A sufficient number of downcomers ensure safe natural circulation.

Burner

The standard boiler is delivered with an Aalborg Industries rotary cup or steam atomising burner and a control system ensuring fully automatic operation and control. The burner operates on diesel oil, heavy fuel oil or gas and is designed for a high turn-down ratio with complete combustion at low oxygen levels.

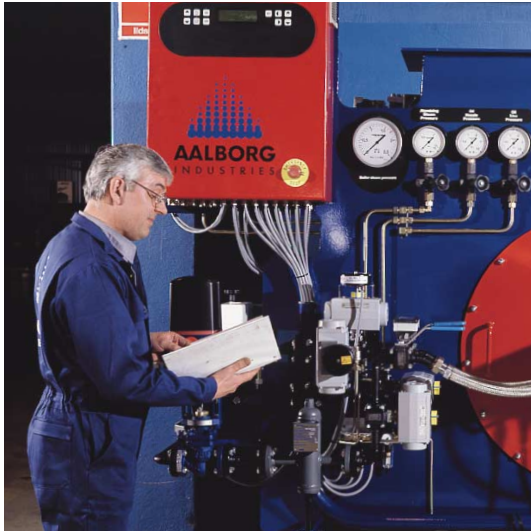
Control system

The control system is based on a micro-processor controlling the automatic operation and control of the burner and boiler. This design also increases the user friendliness and reliability of the MISSION™ boilers.



The system includes burner load and sequence control, water level and safety device, burner motor and fuel heater control and starter for fuel oil pumps.

Customer benefits



Easy engineering

In the planning phase, Aalborg Industries provides assistance by supplying all necessary information, e.g. layout drawings.

Quick installation

The innovative design of the standard modules and the pre-mounted boiler units as well as the pre-wiring of the boiler, facilitate assembly and installation immediately upon delivery.

Compact design

The compact MISSION™ OM has been designed with a special view to cruise vessels, chemical carriers and tank vessels.

Low weight

The pin-tube elements have a double function: they are a part of the overall construction and they act as heating surface. This design gives low weight and high stability.

Easy operation

The MISSION™ OM design is unrivalled when it comes to easy day-to-day operation, service and supervision.

Burner, control panel and all relevant connections such as valves and water level controls can be conveniently operated.

Minimum maintenance

On board, maintenance of the gas side is carried out simply by washing it with water from the boiler top.

Dry steam generation

MISSION™ OM generates dry saturated steam when steam passes the pintube elements of the steam drum.

High reliability

MISSION™ OM is constructed of thoroughly tested modules. The modular design makes the boiler highly reliable and easy to repair if required.

Global service

Boilers from Aalborg Industries are in use all over the world. Consequently, after sales service and spare parts are readily available on every continent.



Front page photo:

Product tanker "MINERVA ALICE" built at Daedong Shipbuilding Co. in Korea. Equipped with 2 off 12.5 t/h MISSION™ OM boilers and 1 off AV6N economisers.



A partnership based on mutual trust and understanding

Aalborg Industries is the world's leading supplier of marine boilers. Shipyards and owners all over the world have, by now, purchased more than 20,000 Aalborg Industries boilers for all purposes on board tankers, bulk carriers, container vessels and cruise ships.



Aalborg Industries is dedicated to developing reliable boilers and burners based on a philosophy of life-long commitment to any product delivered. Only in this way it is possible to build lasting, customer focused partnerships.

Visit our website:

www.aalborg-industries.com

Business centre:

Aalborg Industries A/S
P O Box 844, Gasvaerksvej 24
9100 Aalborg, Denmark
Tel. +45 99 30 40 00
+45 40 16 66 86 (24 hrs.)
Fax. +45 98 16 83 16
E-mail: aal@aalborg-industries.dk

Your contacts:

- **China:** Tel. +86 21 6886 3565
+86 411 270 9291
- **Finland:** Tel. +358 2 838 3100
- **Japan:** Tel. +81 78 271 5720
- **South Korea:** Tel. +82 51 703 6162
- **Sweden:** Tel. +46 8 580 243 00