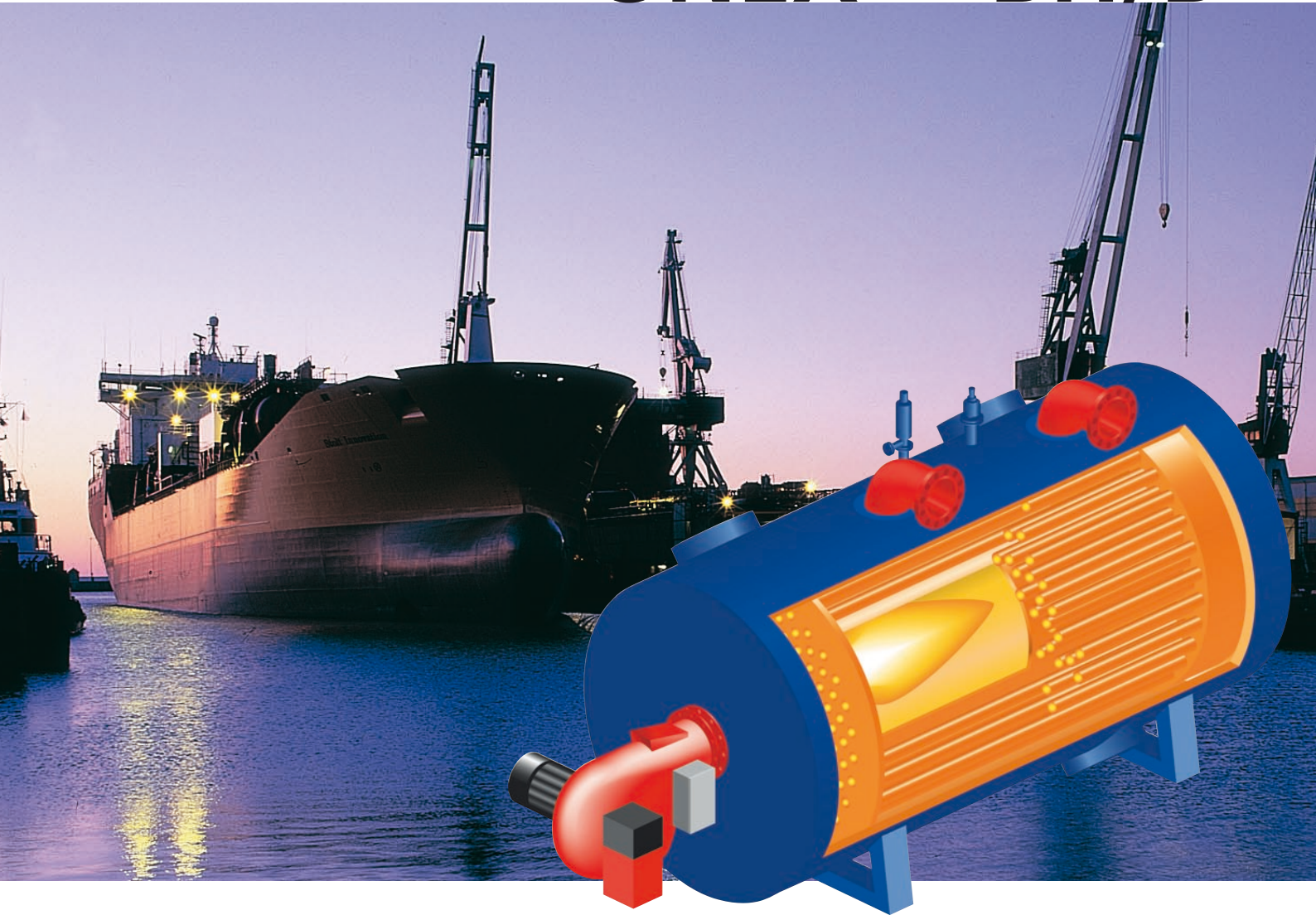


UNEX™ BH/B



UNEX™ BH/B is a smoke-tube, two-pass, horizontal boiler for steam or hot-water applications. The boiler can be fired with marine gas oil, diesel oil or heavy fuel oil.

UNEX™ BH:

Steam generating capacity:
1,000-6,000 kg/h

UNEX™ B:

Hot-water capacity:
700-4,000 kW

Design pressure: Up to 12 bar(g)

Description

UNEX™ BH/B consists of a large furnace welded to horizontal, plain type convection tubes. The low-alloyed plate material is durable against cracking, and it is easy to weld.

UNEX™ BH/B boilers have a fully water-cooled furnace and are constructed without refractory.

Adequate furnace dimensioning guarantees proper combustion, moderate loading and low material stresses. With an efficiency level of approx. 85%, UNEX™ BH/B are economical and ensure savings in fuel costs.

UNEX™ BH/B boilers are easy to clean by manual utensils.

UNEX™ BH/B can operate as a steam drum for exhaust gas economizers. If the economizer capacity is high, the size of the boiler will be increased accordingly.

Features

- Fuel types burned: marine gas oil, diesel oil or heavy fuel oil up to 700 cSt/50°C.
- The boiler can be equipped with a pressure jet burner (Monobloc).

- Control system can be processor-based or a relay system.
- Adequate furnace dimensioning guarantees efficient combustion, moderate loading and low material stresses.
- No refractory.

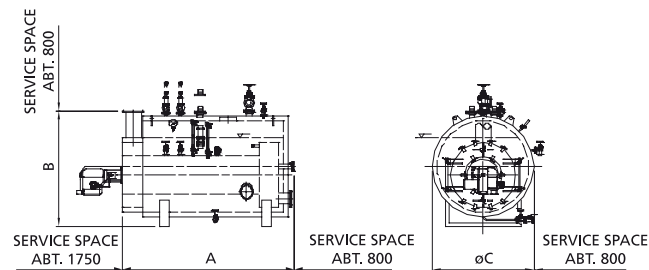
Standard scope of supply

- The complete boiler with connections, foundation, inspection hatches, man-hole, hand-holes and insulation with sheeting.
- Valves and fittings for the boiler, either loose or pre-assembled.
- Boiler water regulation and control system which can be selected to either on/off or continuous regulation functions.

- Fuel oil burner: type according to the size of the boiler and the type of fuel oil used.
- Control panel for burner with safety and alarm system.
- Spare parts according to classification society demands.

Accessories (Optional)

- Exhaust gas economizer(s)
- Fuel oil pumps with preheater
- Feed water and circulation water pumps
- Feed water treatment system
- Feed water tank
- Oil observation system
- Smoke density meter
- O₂ analyzer
- Water softener
- Sample cooler



STANDARD PRODUCT RANGE

Capacity and dimensions UNEX™ B hot-water boilers

Type	Capacity kW	Length A mm	Height B mm	Width C mm	Max. height D mm	Gas outlet DN	Dry weight kg	Oper. weight kg	Water volume m ³
B-750	750	3,145	1,700	1,400	2,150	200	4,180	6,830	2.7
B-1000	1,000	2,945	1,900	1,600	2,350	250	5,090	5,460	3.0
B-1700	1,700	3,550	2,030	1,730	2,630	300	6,650	12,150	5.5
B-2000	2,000	3,750	2,030	1,730	2,630	300	7,360	13,170	5.8
B-2700	2,700	4,125	2,250	1,950	2,800	350	10,380	19,080	8.7
B-3400	3,400	4,675	2,420	2,120	3,120	400	12,880	22,780	9.9
B-4000	4,000	5,075	2,570	2,270	3,270	400	15,400	27,700	12.3

STANDARD PRODUCT RANGE

Capacity and dimensions UNEX™ BH steam boilers

Type	Capacity kg/h	Length A mm	Height B mm	Width C mm	Max. height D mm	Gas outlet DN	Dry weight kg	Oper. weight kg	Water volume m ³
BH-1000	1,000	3,145	1,900	1,600	2,350	200	4,180	6,480	2.3
BH-1500	1,500	2,945	2,200	1,900	2,650	250	5,090	8,045	3.0
BH-2500	2,500	3,550	2,400	2,100	3,000	300	6,650	11,130	4.5
BH-3000	3,000	3,750	2,400	2,100	3,000	300	7,360	12,230	4.9
BH-4000	4,000	4,125	2,700	2,400	3,250	350	10,380	17,450	7.1
BH-5000	5,000	4,675	2,800	2,500	3,500	400	12,880	21,360	8.5
BH-6000	6,000	5,075	3,000	2,700	3,700	400	15,400	26,660	11.3