

Product portfolio U-MB

UNIVERSAL steam boiler U-MB

Technical data of the UNIVERSAL

Type	U-MB
Heat transfer medium	High pressure saturated steam
Design	Three-pass flame tube/smoke tube technology
Capacity in kg/hour	200 up to 2 000
Safety design overpressure in bar	up to 16
Max. temperature in °C	204
Fuel	Oil, gas



Thermotechnology

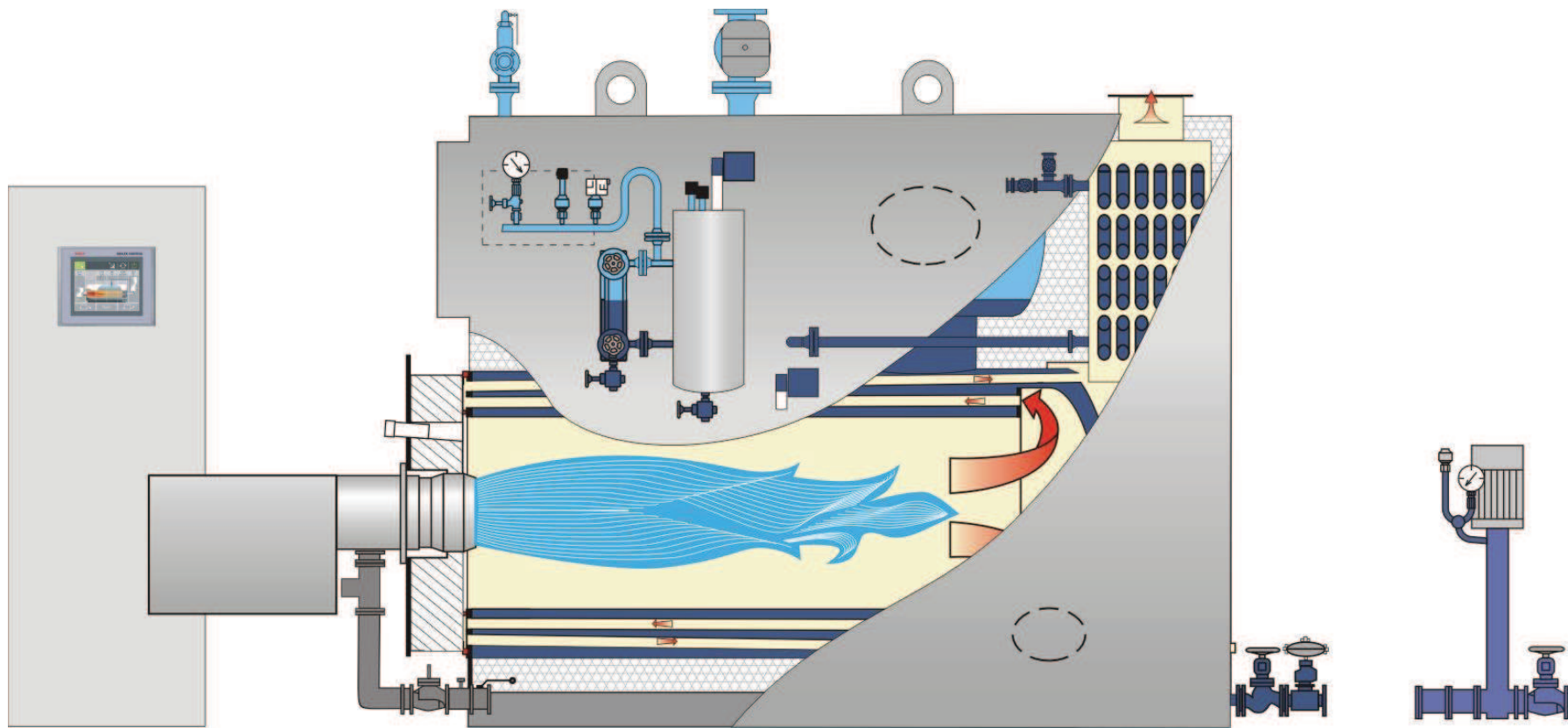
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Product portfolio U-MB



Thermotechnology

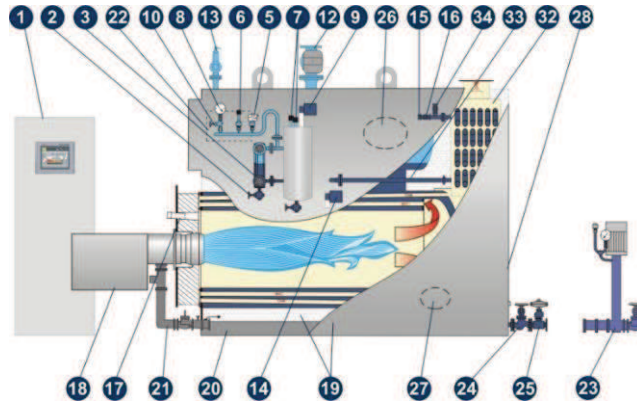
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- 1 Control switchgear cabinet with boiler control BCO
- 2 Blow-off tap
- 3 Reflective water level indicator
- 5 Pressure limiter
- 6 Pressure transducer (4-20 mA)
- 7 Low-level limiter electrode
- 8 Pressure gauge
- 9 Level transducer (4-20 mA)
- 10 Pressure gauge shut-off valve with testing flange
- 12 Steam removal valve
- 13 Full-lift safety valve
- 14 Fully automatic conductivity measurement and desalting
- 15 Feed water non-return valve
- 16 Feed water shut-off valve, maintenance-free

- 17 Sight hole
- 18 Burner
- 19 Insulation with protective shell
- 20 Base frame
- 21 Gas regulation module
- 22 Terminal box
- 23 Pump module
- 24 Drain shut-off valve, maintenance-free
- 25 Quick shut-off blow-down valve
- 26 Inspection opening, steam side
- 27 Inspection opening, water side
- 28 Inspection opening, flue gas side
- 32 Flue gas heat exchanger ECO
- 33 Connection piping ECO/boiler
- 34 Vent shut-off valve ECO

Thermotechnology

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Benefits at a glance:

- Cost-effective despite shell boiler and three-pass technology
- High level of efficiency due to the integrated economizer
- Comprehensive series-wide basic equipment
- Intuitive touchscreen operation and SPC control
- Small space requirement due to its compact base area
- Simple commissioning due to pre-parameterised boiler control
- Easy wiring on site thanks to plug-in connections
- Automatic start-up, standby and shutdown control SUC
- Simple installation thanks to supply as a unit – the equipment, firing system and economizer have already been fitted in the factory

