

## Product portfolio U-ND/U-HD

# UNIVERSAL steam boiler U-ND/U-HD

### Technical data of the UNIVERSAL

Type	U-ND	U-HD
Heat transfer medium	Low pressure saturated steam	High pressure saturated steam
Design	Flame tube/smoke tube technology	Flame tube/smoke tube technology
Capacity in kg/hour	175 to 3 200	175 to 1 250
Safety design overpressure in bar	up to 0.5	up to 16
Max temperature in °C	110	204
Fuel	Oil, gas	Oil, gas



### Thermotechnology

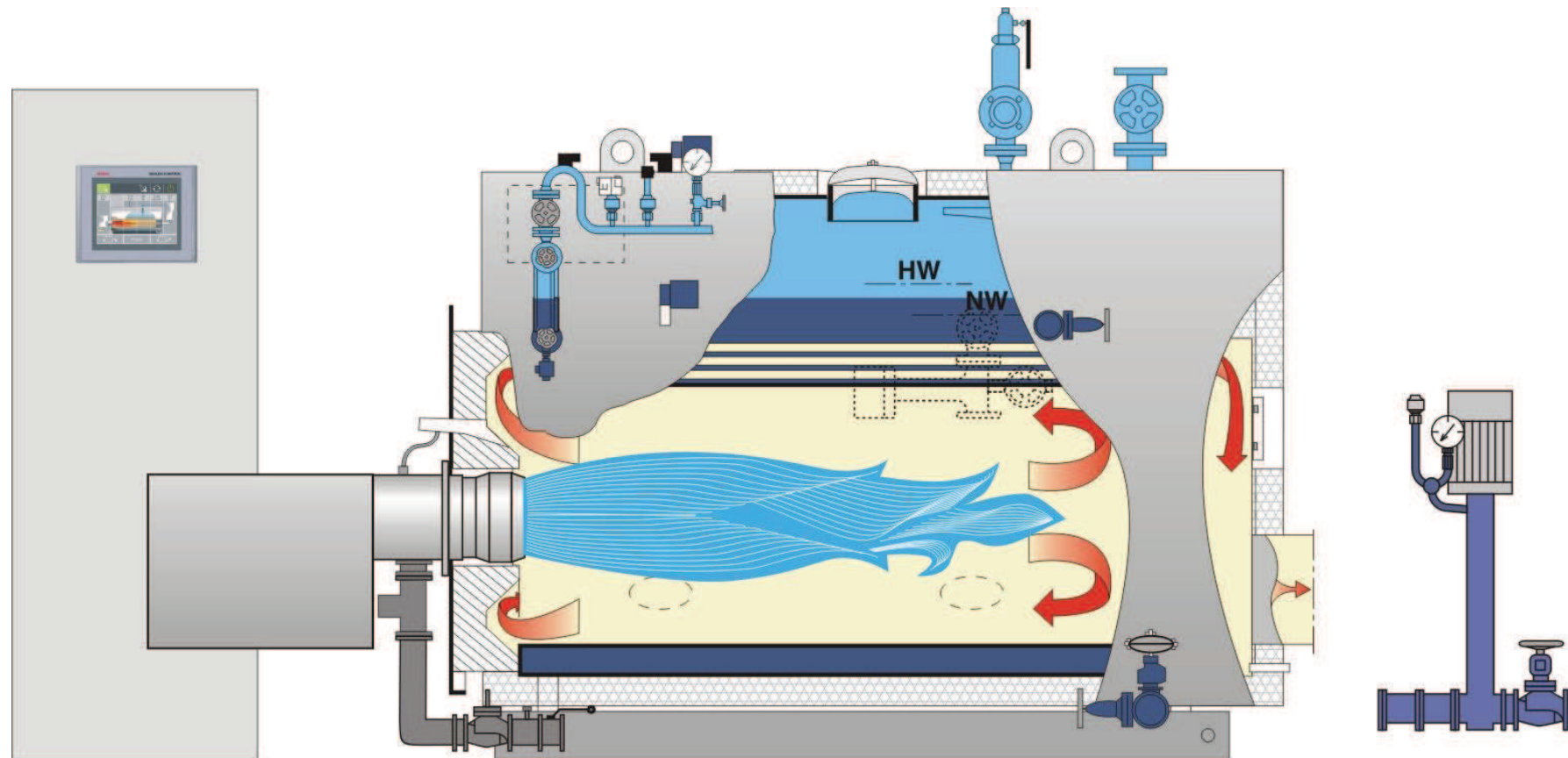
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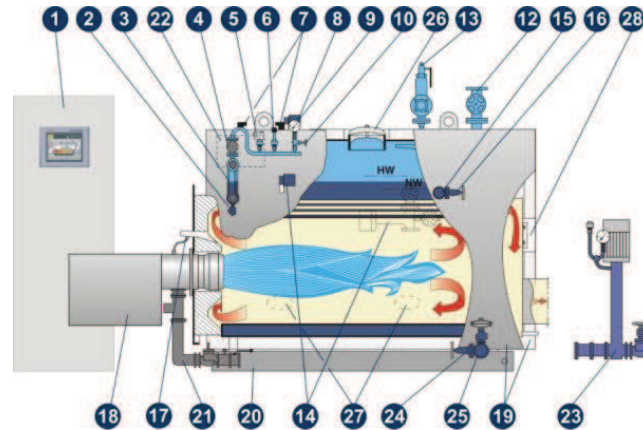
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- 1 Control switchgear cabinet with boiler control BCO
- 2 Blow-off tap
- 3 Reflective water level indicator
- 4 Manostat tube shut-off valve, maintenance-free
- 5 Pressure limiter
- 6 Pressure transducer (4-20 mA)
- 7 Low-level limiter electrode
- 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

### Thermotechnology



### Benefits at a glance:

- Intuitive boiler control on SPC basis with very high transparency of operating data
- Effective thermal insulating materials with a high degree of efficiency
- Automatic start-up, standby and shutdown control SUC
- Suitable for many burner systems
- Pollutant reduced combustion thanks to the use of highly developed firing systems and careful matching of the best boiler and burner combination
- Easy for maintenance – simple to inspect on both the flue gas side as well as the water side
- Robust, reliable and durable
- All high pressure boiler systems are certified in accordance with the European Pressure Equipment Directive – applied almost worldwide
- Simple extension options thanks to integrated module technology
- Simple commissioning due to pre-parameterised boiler control
- Easy wiring on site thanks to plug-in connections

