

Main dimensions



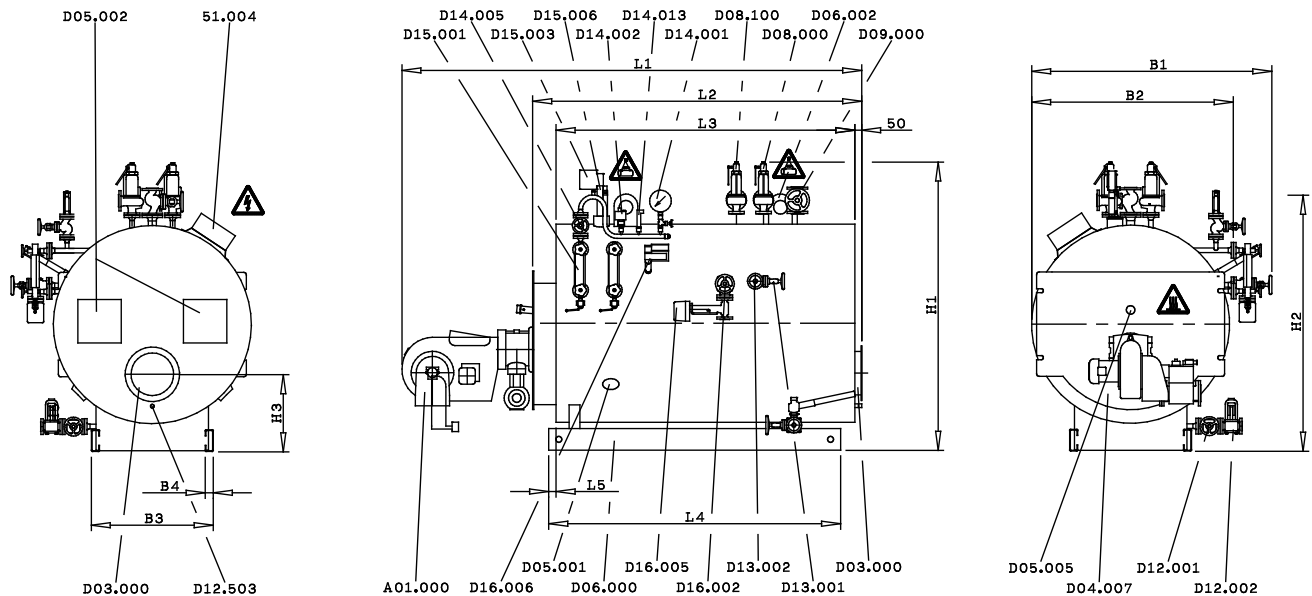
BOSCH

UNIVERSAL low-pressure steam boiler U-ND

In Flame-tube smoke-tube technology

DA024

Version 1 (07/12)



51.004	Terminal box	D12.503	Connection for drainage flue gas condensate
A01.000	Burner	D13.001	Feed water shut-off valve
D03.000	Flue gas connection socket	D13.002	Feed water non-return valve
D04.007	Reversing chamber door	D14.001	Pressure indicator (with test unit)
D05.000	Inspection opening steam-side	D14.002	Pressure limiter
D05.001	Inspection opening water side	D14.005	Shut-off valve
D05.002	Inspection opening flue gas side	D14.013	Pressure transducer
D05.005	Sight hole	D15.001	Level indicator 1
D06.000	Base frame		Level indicator 2 option
D06.002	Lifting lug	D15.002	Level indicator (electrical)
D08.000	Pressure safeguard valve 1	D15.003	Level transducer
D08.100	Pressure safeguard valve 2 option	D15.006	Level limiter
D09.000	Steam shut-off valve	D16.005	Desalting shut-off valve option
D12.001	Drain shut-off valve	D16.002	Desalting control valve option
D12.002	Quick shut-off blow-down valve	D16.006	Conductivity transducer option

Explanation of symbols



Warning: dangerous electrical voltage



Lifting equipment to be fastened here, only



Warning: hot surface, e.g. uninsulated fitting

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UNIVERSAL low-pressure steam boiler Type	Dimensions							Flue gas connection H 3 [mm]
	L 1 ²⁾	L 2 ¹⁾	L 3	B 1	B 2 ¹⁾	H 1 ³⁾	H 2 ¹⁾	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
U-ND 350	2188	1683	1470	1434	1217	1877	1572	500
U-ND 500	2650	1838	1628	1529	1312	1967	1666	550
U-ND 800	2811	1938	1690	1728	1511	2252	1850	550
U-ND 1250	3387	2418	2170	1703	1486	2317	1879	600
U-ND 2000	3732	2763	2465	1990	1773	2741	2102	600
U-ND 3200	4465	3153	2855	2220	2003	3081	2354	625

UNIVERSAL low-pressure steam boiler Type	Base frame			
	L 4	L 5	B 3	B 4
	[mm]	[mm]	[mm]	[mm]
U-ND 350	1460	90	770	60
U-ND 500	1600	90	870	60
U-ND 800	1635	90	900	60
U-ND 1250	2105	90	900	60
U-ND 2000	2375	90	1060	60
U-ND 3200	2750	90	1360	80

- References and defaults to Requirements for the boiler installation room see technical information TI024.
 - Dimensions designed for standard insulation 100 mm thick.
 - Equipment and complete dimensions in accordance with project-related, technical data sheet.
 - Dimensions with $\pm 1\%$ tolerance.
 - Dimension of the insertion openings
 - opening height: Add at least 100mm to H1 or H2 (with / without assembled fittings)
 - opening width: Add at least 200mm to B1 or B2 (with / without assembled fittings)
 - For the boiler types U-ND 2000 and U-ND 3200 a spindle extension to the steam shut-off valve is optionally available.
 - Inspection openings on steam-side (D05.000) are not available for boilers with a design pressure of 0.5 bar.
- ¹⁾ Smallest transport dimensions once fittings, burner and control cabinet have been removed (without cable ducting; with cable ducting + 75 mm on right).
- ²⁾ Dimension L1 is an standard gauge and depends on the make, type and rated capacity of burner.
- ³⁾ Dimension H1 may vary acc. to valve manufacturer.