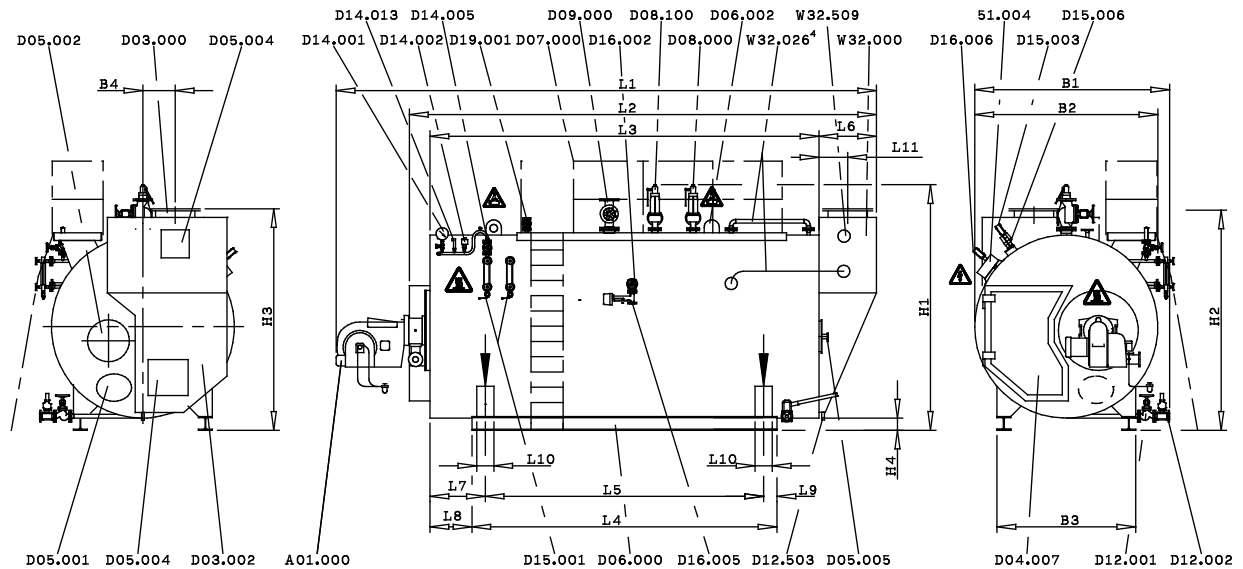


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51.004	Terminal box	D12.002	Quick shut-off blow down valve
A01.000	Burner	D12.503	Connection for drainage flue gas condensate
D03.000	Flue gas connection socket	D14.001	Pressure indicator (with test unit)
D03.002	Flue gas chamber	D14.002	Pressure limiter
D04.007	Reversing chamber door	D14.005	Shut-off valve
D05.000	Inspection opening steam-side	D14.013	Pressure transducer
D05.001	Inspection opening water side	D15.001	Level indicator 1
D05.002	Inspection opening flue gas side		Level indicator 2 option
D05.004	Inspection opening flue gas side	D15.003	Level transducer
D05.005	Sight hole	D15.006	Level limiter
D06.000	Base frame	D16.002	Desalting shut-off valve ⁵⁾
D06.002	Lifting lug	D16.005	Desalting control valve
D07.000	Operating platform option	D16.006	Conductivity transducer
D08.000	Pressure safeguard valve 1	D19.001	Vent shut-off valve option
D08.100	Pressure safeguard valve 2 option	W32.000	Flue gas heat exchanger
D09.000	Steam shut-off valve	W32.026	Connecting pipe
D12.001	Drain shut-off valve		

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 steam boiler Type	Dimension(s)								Flue gas connection		
	L 1 ²⁾ [mm]	L 2 ^{1) 6)} [mm]	L 3 [mm]	L 6 [mm]	B 1 [mm]	B 2 ¹⁾ [mm]	H 1 ³⁾ [mm]	H 2 ^{1) 4) 5)} [mm]	L 11 [mm]	B 4 [mm]	H 3 ^{4) 7)} [mm]
UL-S 1250	4094	3365	2620	585	1969	1752	2262	2190	272	170	2118
UL-S 2000	4870	3945	2970	765	2142	1925	2512	2265	362	270	2193
UL-S 2600	5287	4425	3270	945	2187	1970	2557	2255	452	290	2183
UL-S 3200	6054	4925	3770	945	2187	1970	2642	2255	452	290	2183
UL-S 4000	6601	5470	4600	660	2523	2263	2947	2593	302	318	2593
UL-S 5000	6490	5470	4600	660	2655	2438	3177	2783	302	273	2783
UL-S 6000	7150	6250	5100	820	2641	2424	3222	2993	372	119	2993
UL-S 7000	7150	6250	5100	820	2725	2508	3312	2976	372	153	2976
UL-S 8000	8274	6815	5550	935	2812	2600	3562	3196	442	65	3196
UL-S 10000	8645	6875	5550	995	3087	2870	3732	3065	502	240	2940
UL-S 12000	9070	7300	5800	1170	3162	2950	3867	3200	588	240	3008
UL-S 13000	9150	7560	5800	1220	3427	3210	4222	3465	638	380	2988
UL-S 14000	9160	7570	5800	1230	3427	3210	4222	3465	648	380	2988
UL-S 16000	9960	8370	6630	1230	3427	3210	4222	3465	648	380	2988
UL-S 17000	10110	8320	6630	1180	3522	3400	4467	3665	598	380	3133
UL-S 18000	10104	8320	6630	1180	3527	3400	4467	3685	598	380	3133
UL-S 22000	10383	8740	7050	1180	3882	3665	4747	3835	598	635	3138
UL-S 28000	10610	8965	7050	1405	4222	4005	5212	4302	778	600	3303

UNIVERSAL steam boiler Type	Base frame								wide flange beam IPB - HEB - DIN1025 [mm]
	L 4 [mm]	L 5 [mm]	L 7 [mm]	L 8 [mm]	L 9 [mm]	L 10 [mm]	B 3 [mm]	H 4 [mm]	
UL-S 1250	2270	1890	385	175	170	80	1060	200	-
UL-S 2000	2570	2150	425	215	210	80	1100	190	-
UL-S 2600	2120	1770	750	575	175	150	1360	135	-
UL-S 3200	2625	2175	798	573	225	150	1360	135	-
UL-S 4000	3750	3400	600	425	175	225	1655	190	180
UL-S 5000	3500	3150	775	600	175	225	1785	165	180
UL-S 6000	4000	3650	675	500	175	225	1820	160	180
UL-S 7000	4000	3650	675	500	175	225	1890	150	180
UL-S 8000	4450	3950	800	550	250	275	1950	170	200
UL-S 10000	4450	3950	800	550	250	275	2080	140	200
UL-S 12000	4450	3950	800	550	250	275	2180	125	200
UL-S 13000	4700	4200	775	525	250	275	2340	140	240
UL-S 14000	4700	4200	800	550	250	275	2340	140	240
UL-S 16000	5500	5000	800	550	250	275	2340	140	240
UL-S 17000	5500	5000	800	550	250	325	2365	185	260
UL-S 18000	5500	5000	800	550	250	325	2365	185	260
UL-S 22000	5800	5200	925	625	300	325	2500	160	260
UL-S 28000	5800	5200	925	625	300	325	2700	225	300

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- References and defaults to Requirements for the boiler installation room see technical information TI024.
- Equipment and complete dimensions in accordance with project-related, technical data sheet.
- The scope of delivery is defined in the order confirmation.
- The boiler operating weight must be absorbed by the foundation in the area of the front and rear supports.
- Where dimensions or weights are specified on the datasheet, the following tolerances apply: measurements $\pm 1\%$; transportation weight $\pm 4\%$; maximum weight $\pm 2\%$ (also refer to Technical information TI024, chapter Pipe system)
- The dimensions are designed for standard insulation:
 - 150 mm thick on the boiler ends
 - 100 mm thick on the boiler shell
- The boiler types UL-S 1250 / 2000 / 2600 / 3200 have inspection openings on the right-hand side, instead of at the rear end.
- For the boiler types UL-S 1250 up to UL-S 3200, the drain shut-off valve and the quick shut-off blow-down valve are installed at the rear axis of the boiler, in order to ensure accessibility to the water-side inspection opening.
- The boiler typ UL-S 4000 has additional inspection openings on the right-hand bottom side.
- Dimensioning insertion opening:
 - Positioning height: addition of at least 100 mm to dimension H1 resp. dimension H2 (mounted / not mounted fittings)
 - Positioning width: addition of at least 200 mm to dimension B1 resp. dimension B2 (mounted / not mounted fittings)
- The height of the boiler house is determined by the system equipment. The clear passage over the operating platform should be at least 2 m.
- For the boiler types UL-S 1250 and UL-S 3200 a spindle extension to the steam shut-off valve is optionally available.
- With boiler types up to UL-S 2000, items D15.003 and D15.006 are positioned in the crown of the boiler.
- ¹⁾ Smallest transport dimensions once fittings, burner and terminal box have been removed (without cable ducting; with cable ducting + 75 mm on right).
- ²⁾ Dimension L1 is a standard gauge and depends on the make, type and rated capacity of burner.
- ³⁾ Dimension H1 may vary acc. to valve manufacturer.
- ⁴⁾ This dimension depends on the flue gas temperature (affects the number of tubes of the economizer aloft).
- ⁵⁾ Depending on the hydrochemical mode of the boiler, 2 nozzles are provided with the corresponding valves (if included in the scope of delivery) if necessary.
- ⁶⁾ In case of superheater boiler UL-S-X, dimension L2 increases. See data sheet DA002 Fire Tube Dimensions and Burner Add-On Limits.
- ⁷⁾ In the boiler types UL-S 1250 / 2000 / 2600 / 3200, the on-site exhaust connection is flanged directly onto the Eco cover plate – there is no exhaust nozzle on the Eco (bolt and counter flange are mounted).