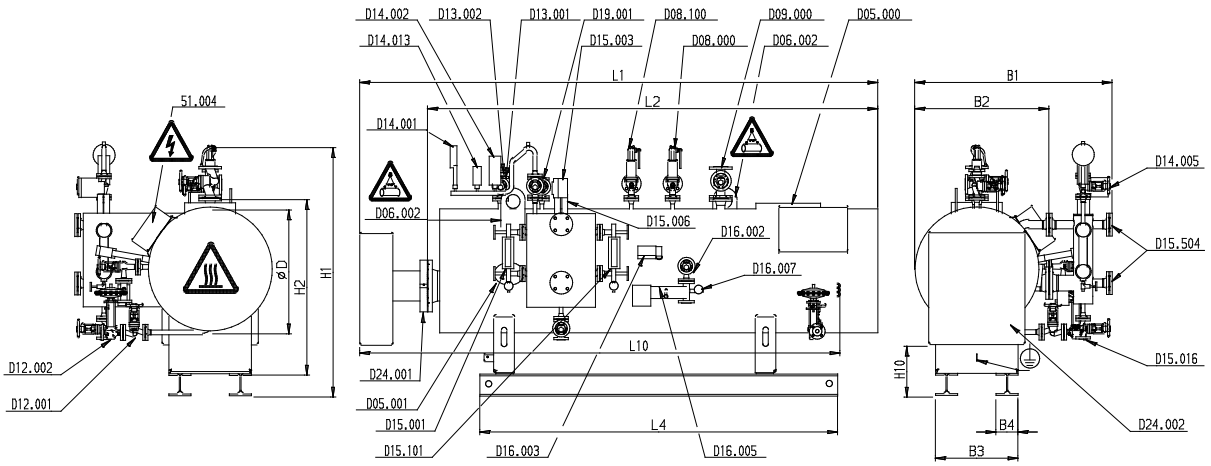
Electric steam boiler ELSB

DA444

Version 8 (09/26)



(this drawing represents an ELSB 2 – for other capacities, the length to diameter ratio may differ)

51.004	Terminal box
D05.000	Inspection opening steam-side
D05.001	Inspection opening water-side
D06.002	Lifting eye
D08.000	Pressure safeguard valve 1
D08.100	Pressure safeguard valve 2 option
D09.000	Steam shut-off valve
D12.001	Drain shut-off valve
D12.002	Quick shut-off blow down valve
D13.001	Feed water shut-off valve
D13.002	Feed water non-return valve
D14.001	Pressure indicator (with test unit)
D14.002	Pressure limiter
D14.005	Shut-off valve
D14.013	Pressure transducer
D15.001	Level indicator 1
D15.101	Level indicator 2 option
D15.003	Level transducer
D15.006	Level limiter
D15.016	Shut-off valve drain
D15.504	Cleaning opening on the module
D16.002	Desalting shut-off valve
D16.003	Conductivity transducer
D16.005	Desalting control valve
D16.007	Shut-off valve (sampling)
D19.001	Ventilation shut-off valve option
D24.001	Heating bundle
D24.002	Terminal box for the heating bundle

Explanation of symbols


Warning: dangerous electrical voltage


Lifting equipment to be fastened here only


Warning: hot surface, e.g. uninsulated fitting


Connection option for equipotential bonding

Subject to change

Electric steam boiler ELSB

Boiler type	Max. capacity		Dimension(s)						
			L 1 [4) 5)]	L 2 [1) 4)]	B 1 [2)]	B 2 [1)]	B 3	H 1	H 2 [1)]
	[kg/h]	[kW]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
ELSB 1	350	238	3932	3340	1490	980	600	1804	1341
ELSB 2	700	476	3992	3350	1490	980	600	1804	1341
ELSB 3	1.500	1021	4552	3610	1790	1280	790	2184	1652
ELSB 4	3.000	2041	4652	3710	2190	1680	1000	2676	2042
ELSB 5	5.000	3402	4932	3980	2390	1880	1200	2826	2163
ELSB 6	7.500	5105	5242	4290	2690	2180	1500	3261	2453

Boiler type	Heating bundle L 10 [3) 5)]	Base frame L 4	H10	Outer diameter D	Weight		
					Boiler body (incl. equipment)	Heating bundle	Total weight (full)
	[mm]	[mm]	[mm]	[mm]	[kg]	[kg]	
ELSB 1	3050	2600	488	900	1700	140	2740
ELSB 2	3640	2600	368	900	1930	350	2960
ELSB 3	3940	2600	363	1200	3530	845	5750
ELSB 4	3940	2600	560	1600	4800	1100	9270
ELSB 5	3950	2700	520	1800	7230	1720	13410
ELSB 6	3950	2900	500	2100	9550	2700	19130

- Equipment and complete dimensions in accordance with project-related technical data sheet.
- References and defaults to requirements for the boiler installation room, see technical information TI024.
- If dimensions are missing, the parts are not included in the scope of delivery.
- The scope of delivery is fixed in the order confirmation.
- Where dimensions or weights are specified on the datasheet, the following tolerances apply: measurements ± 1%; transportation weight ± 4%; maximum weight ±2% (also refer to technical information TI024, chapter Pipe system).
- The shipping weight specification already includes surcharges for usual plate thickness tolerances, therefore deviations downwards are possible.
- Shown with insulation: 100 mm
- Dimensioning of the insertion opening:
  - Insertion height: surcharge of at least 100 mm on dimension H1 or dimension H2 (mounted / unmounted fittings)
  - Insertion width: add at least 200 mm to dimension B1 or dimension B2 (mounted / unmounted fittings)

1) Smallest transport dimensions when fittings, heating bundle and terminal box are dismantled.
2) For the boiler types ELSB 3 / 4 / 5 / 6 a spindle extension to the steam shut-off valve is optionally available.
3) The length of the heating bundle must be taken into account when setting up the boiler. There must be enough space to be able to pull off the heating bundle. (Guideline: Length of heating bundle + maneuvering safety).
4) Dimensions may be reduced for other pressure levels.
5) The measurement is a guideline and depends on the heating bundle supplier.