

## Main dimensions

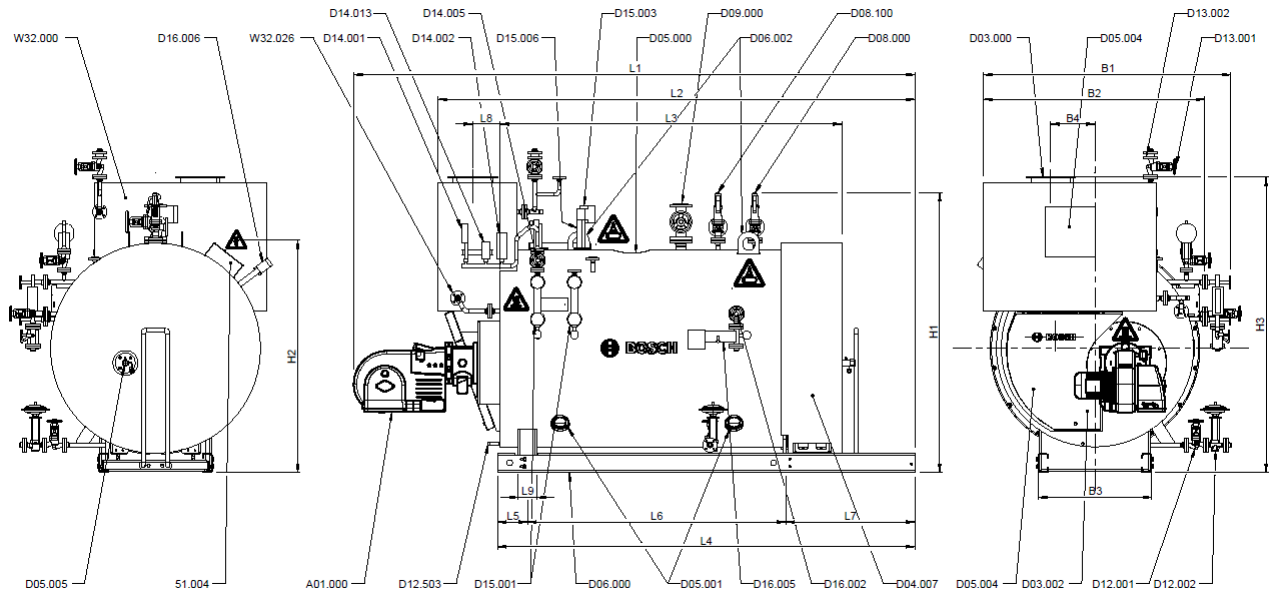


## UNIVERSAL Steam boiler CSB

in flame tube smoke tube technology with integrated flue gas heat exchanger

DA441

Version 3 (06/19)



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
D03.002	Flue gas chamber	D14.001	Pressure indicator (test unit)
D04.007	Reversing chamber door	D14.002	Pressure limiter
D05.000	Inspection opening steam side	D14.005	Shut-off valve
D05.001	Inspection opening water side	D14.013	Pressure transducer
D05.004	Inspection opening flue gas side	D15.001	Level indicator 1
D05.005	Sight hole		Level indicator 2 <b>Option</b>
D06.000	Base frame	D15.003	Level transducer
D06.002	Transportation lug	D15.006	Level limiter
D08.000	Pressure safeguard valve 1	D16.002	Desalting shut-off valve <b>Option</b>
D08.100	Pressure safeguard valve 2 <b>Option</b>	D16.005	Desalting control valve <b>Option</b>
D09.000	Steam shut-off valve	D16.006	Conductivity transducer
D12.001	Drain shut-off valve	W32.000	Economizer
D12.002	Quick shut-off blow-down valve	W32.026	Connecting pipe

### 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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Boiler type	Dimensions						
	L 1 <sup>3)</sup>	L 2 <sup>1)</sup>	L 3	B 1	B 2 <sup>1)</sup>	H 1	H 2 <sup>1)</sup>
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
CSB 650	3344	3025	2040	1731	1514	1997	2093
CSB 1250	3898	3586	2510	1856	1652	2142	2180
CSB 2000	4344	3867	2790	2006	1732	2332	2409
CSB 3000	4622	4248	3080	2150	1924	2472	2504
CSB 4300	5282	4869	3610	2242	2026	2652	2421
CSB 5200	5612	5200	3940	2388	2162	2847	2513

Boiler type	Flue gas connection			Base frame					
	L 8	B 4	H 3	L 4	L 5	L 6	L 7	L 9	B 3
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
CSB 650	194	299	2093	2640	210	1415	1015	100	740
CSB 1250	239	330	2180	3110	210	1865	1035	125	800
CSB 2000	205	363	2409	3390	210	2115	1065	150	920
CSB 3000	254	385	2504	3680	210	2365	1105	175	1000
CSB 4300	345	447	2421	4210	210	2865	1135	190	1030
CSB 5200	294	461	2513	4540	210	3165	1165	190	1100

- 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 defined in the order confirmation.
  - 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 transportation weight specification already contains the surcharges for usual sheet thickness tolerances, therefore deviations downwards are possible.
  - Dimension of the insertion openings:
    - opening height: add at least 100 mm to H1 or H2 (with / without assembled fittings)
    - opening width: add at least 200 mm to B1 or B2 (with / without assembled 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.
- 1) Smallest transport dimensions once fittings, burner and terminal box have been removed.
- 2) Maximum weight incl. 100 % filled with water.
- 3) Dimension L1 is an standard gauge and depends on the make, type and rated capacity of burner.