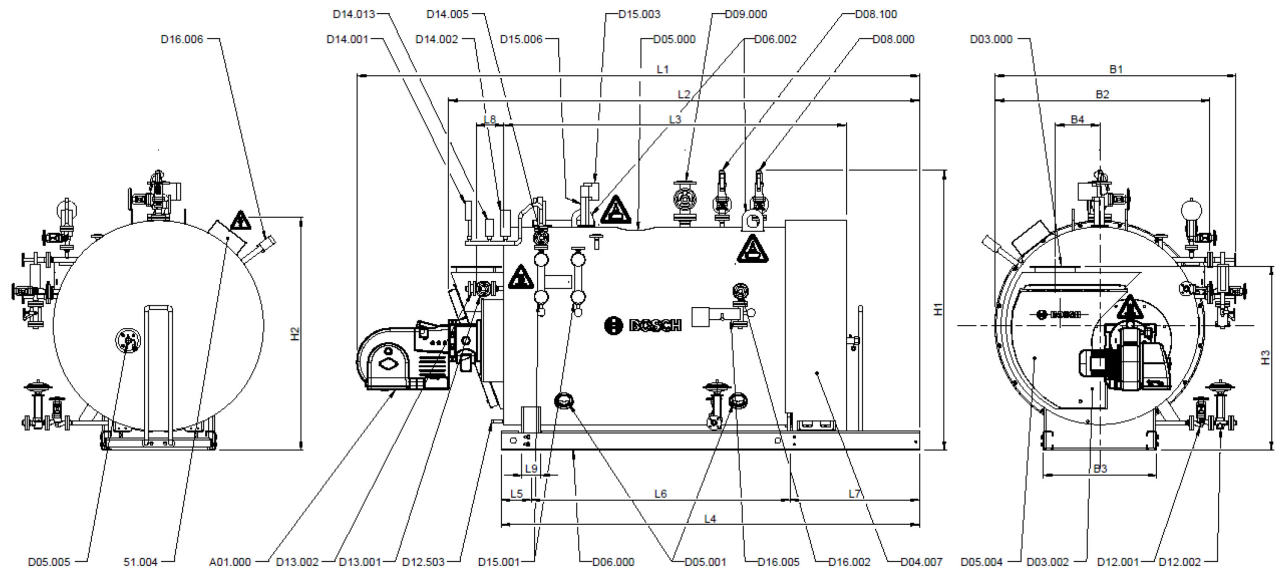


UNIVERSAL Steam boiler CSB

in flame-tube smoke-tube technology

DA438

Version 3 (03/24)



- | | | | |
|---------|--|---------|---|
| 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 | D13.001 | Feed water shut-off valve |
| D03.002 | Flue gas chamber | 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 |
| D05.004 | 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 | D15.003 | Level transducer |
| D08.000 | Pressure safeguard valve 1 | D15.006 | Level limiter |
| D08.100 | Pressure safeguard valve 2 option | D16.002 | Desalting shut-off valve option |
| D09.000 | Steam shut-off valve | D16.005 | Desalting control valve option |
| D12.001 | Drain shut-off valve | D16.006 | Conductivity transducer |

Explanation of symbols



Warning: dangerous electrical voltage



Lifting equipment to be fastened
here, only



Warning: hot surface, e. g. uninsulated fitting

UNIVERSAL Steam boiler CSB

in flame-tube smoke-tube technology

DA438

Version 3 (03/24)

Boiler type	Dimension(s)						
	L 1 ³⁾	L 2 ¹⁾	L 3	B 1	B 2 ¹⁾	H 1	H 2 ¹⁾
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
CSB 650	3374	2975	2040	1674	1457	1997	1654
CSB 1250	3928	3535	2510	1799	1582	2122	1774
CSB 2000	4374	3815	2790	2006	1732	2272	1953
CSB 3000	4652	4195	3080	2093	1876	2472	2105
CSB 4300	5312	4815	3610	2185	1968	2652	2208
CSB 5200	5642	5145	3940	2331	2114	2792	2340
CSB 6700	6444	5422	4152	2596	2322	3037	2505
CSB 8100	7246	6100	4650	2783	2509	3292	2705
CSB 11900	8056	6680	5230	2969	2695	3512	2925
CSB 14500	8626	7430	5850	3099	2825	3777	3060
CSB 16400	8876	7680	6100	3195	2921	3817	3100
CSB 19500	9420	8030	6450	3280	3006	3917	3200
CSB 21700	9750	8360	6780	3376	3102	4107	3300
CSB 23600	9993	8580	7000	3466	3192	4207	3400

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	1333	2640	210	1415	1015	100	740
CSB 1250	239	330	1420	3110	210	1865	1035	125	800
CSB 2000	205	363	1494	3390	210	2115	1065	150	920
CSB 3000	254	385	1589	3680	210	2365	1105	175	1000
CSB 4300	345	447	1661	4210	210	2865	1135	190	1030
CSB 5200	294	461	1753	4540	210	3165	1165	190	1100
CSB 6700	288	25	1959	4285	240	2405	1200	225	1700
CSB 8100	378	128	2109	4785	240	2905	1200	225	1800
CSB 11900	378	25	2279	5365	240	3485	1200	225	1900
CSB 14500	468	111	2401	5935	260	3915	1300	275	2000
CSB 16400	468	171	2380	6185	260	4165	1300	275	2100
CSB 19500	468	96	2554	6535	260	4515	1300	275	2200
CSB 21700	468	14	2555	6865	290	4785	1300	325	2250
CSB 23600	468	48	2590	7085	290	5005	1300	325	2300

- References and defaults to Requirements for the boiler installation room see technical information TI024.
- Missing dimensions are not contained in scope of delivery.
- The scope of delivery is defined in the order confirmation.
- Dimensions with $\pm 1\%$ tolerance; operating / maximum weight specifications with $\pm 2\%$ tolerance.
- The indicated transport weight already includes the surcharges for normal sheet metal thickness tolerances; hence difference downwards is possible.
- 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)

¹⁾ Smallest transport dimensions once fittings, burner and terminal box have been removed.

²⁾ Maximum weight incl. 100 % filled with water

Subject to change

UNIVERSAL Steam boiler CSB

in flame-tube smoke-tube technology

DA438

Version 3 (03/24)

³⁾ Dimension L1 is a standard gauge and depends on the make, type and rated capacity of burner.

When the boiler is larger than or equal to CSB 6700:

- The water-side inspection opening (D05.001) is constructed as a manhole in the base of the boiler at the front. The lateral inspection openings on the water side are omitted.
- The drainage valves (D12.001 and D12.002) are on the front part of the boiler and go to the side of the boiler on the left.
- The base frame is designed with HEB beams.

When the boiler is larger than or equal to CSB 21700:

The boiler has a second set of valves to control the conductivity (D16.102 and D16.105) which are mounted on the same boiler side as the valves D16.002 and D16.005.