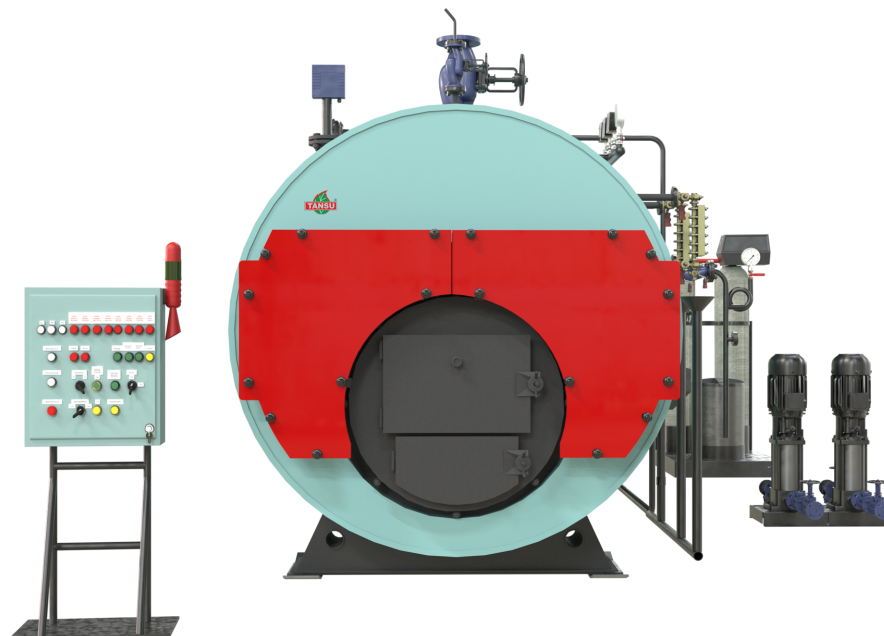


OVERALL AND CONNECTION DIMENSIONS

TANSU steam boilers · coal

Solid-fuel steam boilers · capacity 0.5–2 t/h · saturated steam



TANSU coal-fired steam boiler, front view (loading and ash doors)

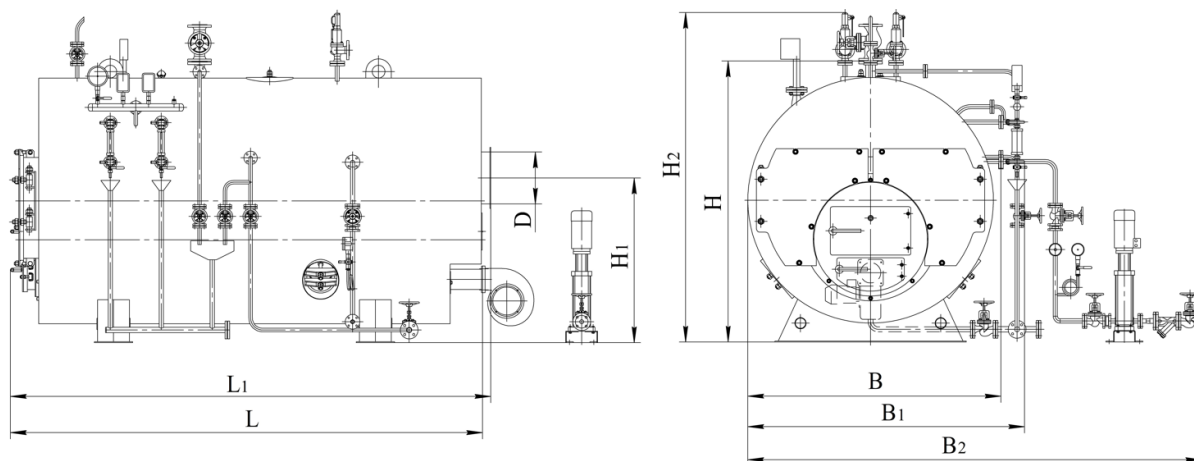
This document provides the overall, installation and connection dimensions of TANSU solid-fuel (coal) steam boilers with a capacity of 0.5–2 t/h and is intended for design engineers when planning boiler houses. An overall drawing with a dimensions table and a valve specification are provided.

Model range

Model	Capacity, t/h	Working pressure, bar	Flue outlet dia.	Weight, kg
E-0.5 RN	0.5	8	ø300	3570
E-1.0 RN	1.0	8	ø400	5060
E-2.0 RN	2.0	8	ø600	8800

1. Overall dimensions

Overall and installation dimensions are given in millimetres. The weight is given for the boiler without water.

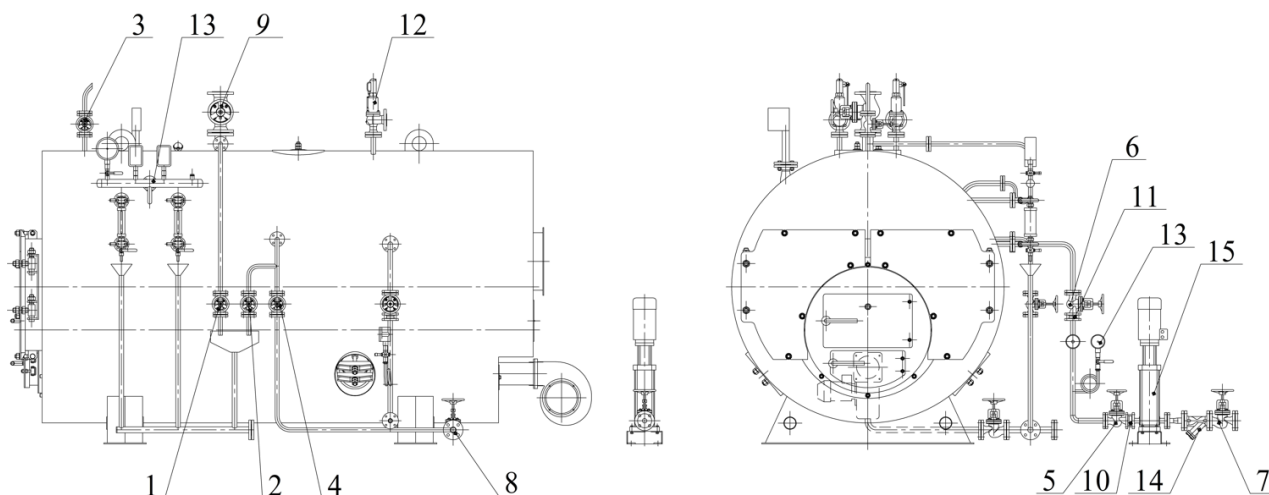


Overall drawing · coal boilers 0.5–2 t/h

Designation	L	L ₁	H	H ₁	H ₂	B	B ₁	B ₂	D	Weight, kg
E-0.5 RN	3360	3380	1985	1200	2395	1745	1930	3070	ø300	3570
E-1.0 RN	3705	3770	2205	1295	2585	1985	2170	3560	ø400	5060
E-2.0 RN	4680	4680	2510	1715	2800	2240	2425	3525	ø600	8800

2. Valve arrangement

Specification of shut-off, control and safety valves. Sizes — nominal diameter DN, mm; P — design pressure, bar.



Valve arrangement · coal boilers 0.5–2 t/h

No	Valve / fitting	0.5 t/h	1.0 t/h	2.0 t/h	P, bar	Qty
1	Steam sampling valve	20	20	20	16	2
2	Boiler water sampling valve	20	20	20	16	2
3	Air vent valve	20	20	20	16	1
4	Boiler blowdown valve	20	20	25	16	2
5	Feed pump valves	25	25	25	16	4
6	Make-up nozzle valve	25	25	25	16	1
7	Feed water supply valve	32	32	32	16	1

No	Valve / fitting	0.5 t/h	1.0 t/h	2.0 t/h	P, bar	Qty
8	Drain nozzle valve	32	32	40	16	2
9	Main steam valve	50	65	80	16	1
10	Feed pump check valve	25	25	25	16	2
11	Make-up nozzle check valve	25	25	25	16	1
12	Safety valve	25	25	32	16	2
13	Three-way cock	15	15	15	16	4(5)
14	Feed water filter	32	32	32	16	1
15	Feed pump, LVR type	2-19	3-21	3-25		2

3. Notes and conditions

- Overall, installation and connection dimensions are given in millimetres and are for reference only. Final dimensions are defined by the order drawings.
- Owing to continuous design improvement and changes in component types, some dimensions given in the tables may differ from the actual ones.
- The boiler weight is given in kilograms for the boiler without water (dry weight). When designing the foundation, account for the operating weight including water.
- Design (working) steam pressure — 8 bar. Valves — class PN 16. Fuel — coal (solid fuel).
- Nominal diameters and valve types are selected per the table of section 2; feed pump models (LVR and equivalents) are specified at ordering.
- The building structure dimensions (openings, foundations, service platforms, fuel feed and ash removal) are determined taking into account the equipment layout and service requirements.
- The scope of supply is defined by the questionnaire and the contract.

For equipment selection and drawings, please contact the manufacturer.

Contacts:

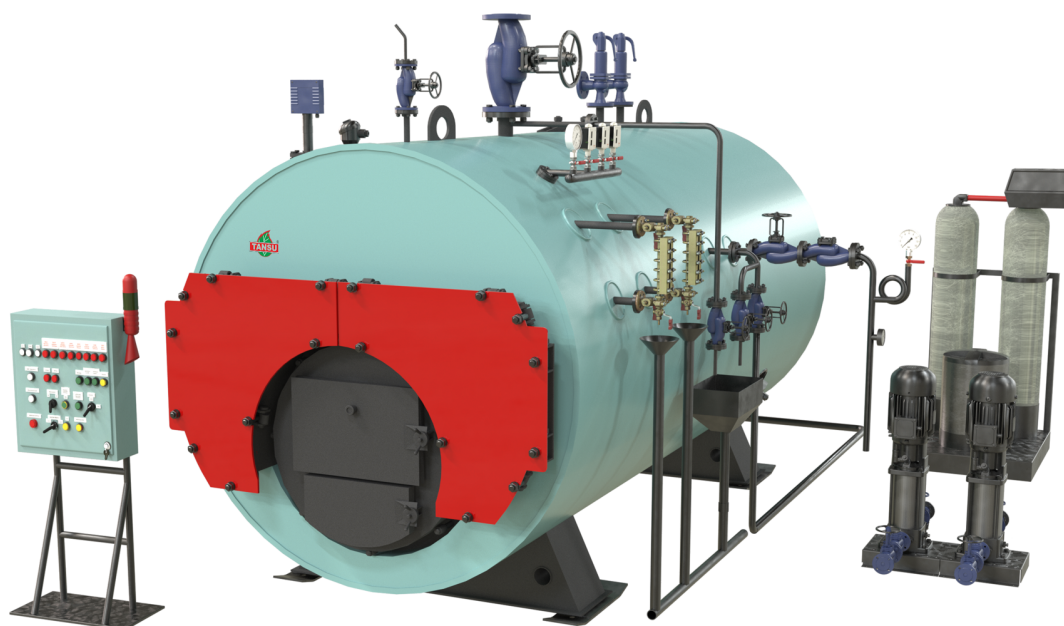
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TANSU coal-fired steam boiler, equipped