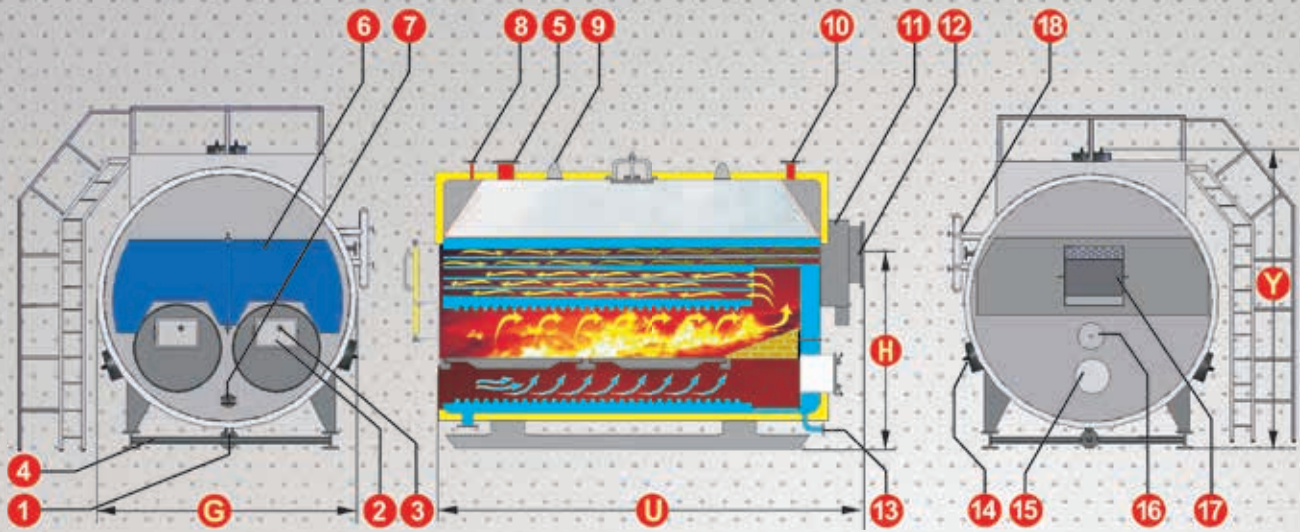


TS EN 12953-1-3
TS 377-1-2-3-4-5
ISO 9001-2008
BFPN:153-1000



THE FEATURES OF ASSK-B SOLID FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS SINGLE-FURNACE STEAM BOILERS

- It complies with TS EN 12953-1-3, TS 377-1-2-3-4-5-6-7-8-10-11-12-14, TS EN 12953-1-2-3-4-5-6-7-8-10-11-12-14 standards.
- The gases facing in the combustion chamber for the second time and burnt fuel particles are burnt again and they are turned into the heat and low emission values are obtained by being completely burnt of the hazardous wastes.
- Bright flare occurring in the combustion chamber where double transitional intensive burning occurs is transferred from the combustion cell to the water through "radiation heat transfer".
- It is manufactured in accordance with CE quality standards and TRD pressure vessels directive.
- Stoker crucible or grills within combustion chamber are removed easily and they are made suitable for burning liquid and gas fuel in a short time with cover revision.
- Efficient combustion has been provided through cylindrical scotch type structure, three transitional structure and corrugated double furnaces.
- Boiler has been divided into two symmetrically in the middle. There are two combustion chambers and they operate independently from each other.
- The efficiency of the boiler is high.
- Chimney gas heat changes depending on operating pressure and it is designed for providing minimum values.
- With a special design provided in the boiler, water loading does not certainly occur.
- Operation and usage life is longer compared to the equivalents.
- Boilers are isolated by using the high-density rock wool and depending on the customer needs, it is also isolated by using galvanized aluminum or stainless sheet.
- BFPN : 153.1100 are solid fuel boilers made from steam producer steel material under 3 atm construction pressure.
- BFPN : 153.1400 are solid fuel boilers made from steam producer steel material under 6 atm construction pressure.



1. Drainage	6. Front steam boxes	10. Safety output	15. Cleaning cover
2. Coal throwing cover	7. Hand hole	11. Rear smoke boxes	16. Bursting hinge
3. Flare peep cover	8. Prosestad, manometer and thermometer nozzles	12. Smoke channel	17. Chimney Clapper
4. Ground anchor profile	9. Transport ring	13. Foot bluff hole	18. Level collector
5. Steam exit		14. Man hole	

TECHNICAL MEASUREMENTS OF ASSK-B SOLID FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS DOUBLE-FURNACES STEAM BOILERS

BOILER TYPE	UNIT	ASSK-B 150	ASSK-B 175	ASSK-B 200	ASSK-B 250
Total Heating Surface	m ²	150	175	200	250
Heating Capacity (with stocker)	Kcal/h	2.100.000	2.450.000	2.800.000	3.500.000
Width ⓐ	mm	3.100	3.100	3.100	3.200
Length ⓑ	mm	5.200	5.500	5.800	6.000
Height Ⓨ	mm	3.400	3.400	3.400	3.500
Funnel axis height ⓗ	mm	2.700	2.950	2.950	3.050
Base width x length	mm	3200x5300	3200x5600	3200x5900	3300x6100
Max. Steam Dome Volume	Lt	4.500	5.100	5.900	7.375
Water volume	Lt	14.000	16.700	19.100	23.800
Funnel diameter	∅ mm	200	250	800	300
Steam outlet diameter	∅ mm	125	125	125	150
Security Valve Outlet	∅ mm	40/65	50/80	50/80	50/80
Foot blowdown outlet	∅ mm	40	40	40	40
Weight (6 Atü)	Kg	12.100	14.350	16.400	20.500
Weight (8 Atü)	Kg	16.100	19.085	21.825	27.265
Weight (10 Atü)	Kg	20.100	23.820	27.250	34.030
Counter Pressure	mBar	8	8	8	9

- The capacities specified on the table were calculated due to the input values of 6 bar operating water volume and 100°C sap.
- Security exits specified on the table was detected due to full lifting security valves emptying capacity and opening adjustment pressure was detected according to 6,5 bar.
- Base width must be accepted minimum as 100 mm.
- The right of making change in technical issues is reserved by our firm.
- Special designs and manufacturing can be done.