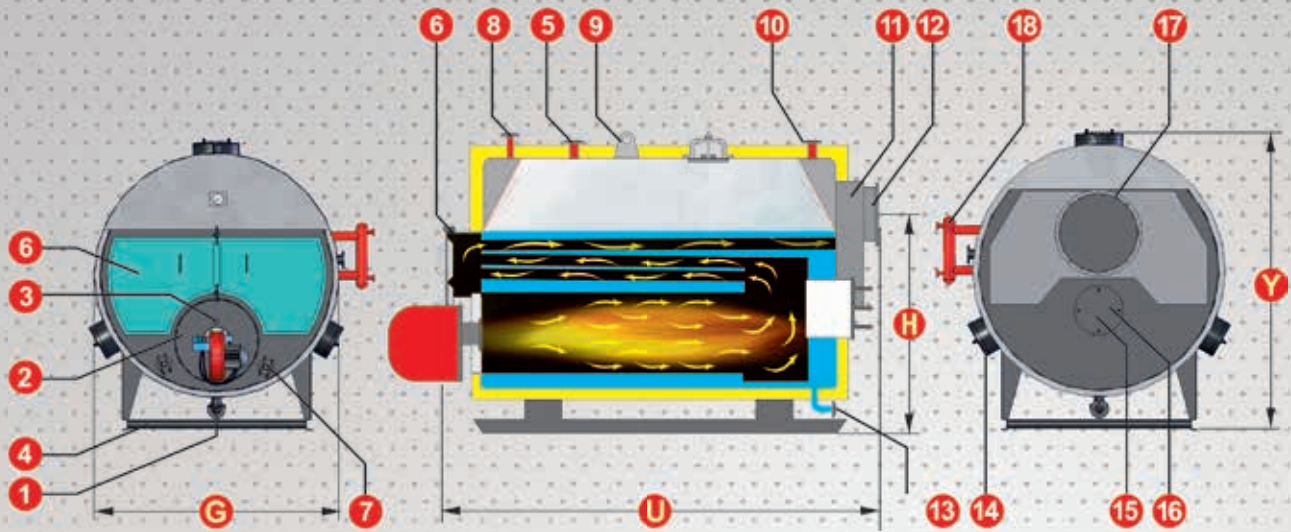


TS EN 12953-1-3
TS 377-1-2-3-4-5
ISO 9001-2008
BFPN:153-3000



THE FEATURES OF ASSF-B LIQUID GAS FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS 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.
- It is in cylindrical structure and it has high performance.
- It is manufactured with computer aided design and manufacturing technology in accordance with CE quality standards, TRD pressure vessels directive, EN, TSE standards.
- It has a large steam volume.
- It ensures high performance in intensive and difficult working conditions and sudden steam traction.
- It has high heating surface.
- With its special construction, it provides acquiring drier steam with higher energy.
- With three-transitional structure, it ensures maximum heat transfer.
- With low counter pressure values, it provides better burning.
- It operates safer with the pipes welded to the mirrors and it is more durable than the equivalents. Special designs and manufacturing to obtain steam with high capacity in narrow areas.
- Optimum isolation amount increases boiler performance in reaching to maximum efficiency.
- Optimum combustion chamber dimensions ensure high heat transfer, radiation, more efficient usage of heat transfer surfaces and the occurrence of full burning in combustion chamber.
- It has minimum chimney gas emission rates and it is environmentally-friendly.
- It provides high efficient full burning without economizers; it provides an environmentally friendly burning graph and reduces fuel consumption.
- With high capacity range, it provides large industrial usage area.
- BFPN: 153.3100,3 are liquid-gas fuel boilers made from steam producer steel material under 3 atm construction pressures.
- BFPN: 153.3400,6 are liquid-gas fuel boilers made from steam producer steel material under 6 atm construction pressures.



1. Drainage	6. Front steam boxes	10. Safety output	15. Cleaning cover
2. Burner Flange	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 DIMENSIONS OF ASSF-B LIQUID GAS FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS STEAM BOILERS

BOILER TYPE	UNIT	ASSF-B 200	ASSF-B 400	ASSF-B 600	ASSF-B 800	ASSF-B 1200	ASSF-B 1400	ASSF-B 1600	ASSF-B 2000	ASSF-B 2400	ASSF-B 2800
Steam Capacity	Kg/h	200	400	600	800	1.200	1.400	1.600	2.000	2.400	2.800
Heat Capacity	Kcal/h	120.000	240.000	360.000	480.000	720.000	840.000	960.000	1.200.000	1.440.000	1.680.000
Width (G)	mm	1.350	1.690	1.820	1.850	2.000	2.000	2.000	2.250	2.350	2.410
Length (U)	mm	1.950	2.100	2.330	2.490	2.745	2.860	3.010	3.200	3.375	3.530
Height (Y)	mm	1.500	1.840	1.970	2.000	2.150	2.150	2.150	2.400	2.500	2.560
Funnel axis height (H)	mm	870	1.210	1.400	1.480	1.690	1.690	1.690	1.940	2.040	2.000
Base width x length	mm	1450x2050	1790x2200	1920x2430	1950x2590	2100x2845	2100x2960	2100x3110	2350x3300	2450x3475	2510x3630
Max. Steam Dome Volume	Lt	290	575	865	1.150	1.745	2.050	2.300	2.550	3.150	3.400
Water volume	Lt	430	1.030	1.360	1.420	1.700	1.580	1.560	2.755	3.850	4.450
Funnel diameter	Ø mm	500	500	600	600	700	700	700	800	800	800
Steam outlet diameter	Ø mm	32	40	50	65	80	80	80	100	100	100
Security Valve Outlet	Ø mm	20/32	20/32	20/32	25/40	25/40	25/40	25/40	32/50	32/50	32/50
Foot blowdown outlet	Ø mm	40	40	40	40	40	40	40	40	40	40
Weight (6 Bar)	Kg	1.100	1.750	2.250	2.600	3.300	3.700	4.000	5.000	5.450	6.100
Weight (8 Bar)	Kg	1.200	1.8750	2.350	2.750	3.600	4.000	4.300	5.400	5.900	6.500
Weight (10 Bar)	Kg	1.300	2.000	2.450	2.900	3.900	4.300	4.600	5.800	6.350	6.900
Counter Pressure	mBar	5	5	5	5	5	6	7	7	8	8

BOILER TYPE	UNIT	ASSF-B 3200	ASSF-B 3600	ASSF-B 4000	ASSF-B 5000	ASSF-B 6000	ASSF-B 8000	ASSF-B 10000	ASSF-B 12000	ASSF-B 15000	ASSF-B 17500
Steam Capacity	Kg/h	3.200	3.600	4.000	5.000	6.000	8.000	10.000	12.000	15.000	17.500
Heat Capacity	Kcal/h	1.920.000	2.160.000	2.400.000	3.000.000	3.600.000	4.800.000	6.000.000	7.200.000	9.000.000	10.500.000
Width (G)	mm	2.500	2.550	2.650	2.650	2.830	3.000	3.200	3.350	4.000	4.000
Length (U)	mm	3.680	3.800	4.150	4.525	4.820	5.340	5.800	6.315	7.900	9.400
Height (Y)	mm	2.750	2.800	2.900	2.900	3.080	3.250	3.450	3.600	4.250	4.250
Funnel axis height (H)	mm	2.190	2.070	2.170	2.070	2.045	2.530	2.680	1.710	2.360	2.360
Base width x length	mm	2600x3780	2650x3920	2750x4250	2750x4625	2930x4920	3100x5440	3300x5900	3450x6415	4100x8000	4100x9500
Max. Steam Dome Volume	Lt	3.425	3.550	3.800	4.500	5.050	5.300	5.600	5.900	7.375	8.750
Water volume	Lt	5.070	5.740	6.660	6.180	7.495	9.390	11.570	13.740	18.000	28.000
Funnel diameter	Ø mm	900	900	950	950	1.050	1.200	1.400	1.400	1.500	1.600
Steam outlet diameter	Ø mm	100	100	125	150	150	150	200	200	250	250
Security Valve Outlet	Ø mm	40/65	40/65	50/80	50/80	50/80	65/100	80/125	100/150	100/150	100/150
Foot blowdown outlet	Ø mm	40	40	40	40	40	40	40	40	40	50
Weight (6 Bar)	Kg	7.100	7.800	9.400	10.700	13.200	16.700	20.900	23.500	25.000	27.000
Weight (8 Bar)	Kg	7.525	8.225	10.250	11.275	13.950	17.725	22.400	25.700	27.500	30.500
Weight (10 Bar)	Kg	7.950	8.650	11.100	11.850	14.700	18.750	23.900	27.900	30.000	34.000
Counter Pressure	mBar	8	8	8	8	8	8	9	9	10	10

- 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.