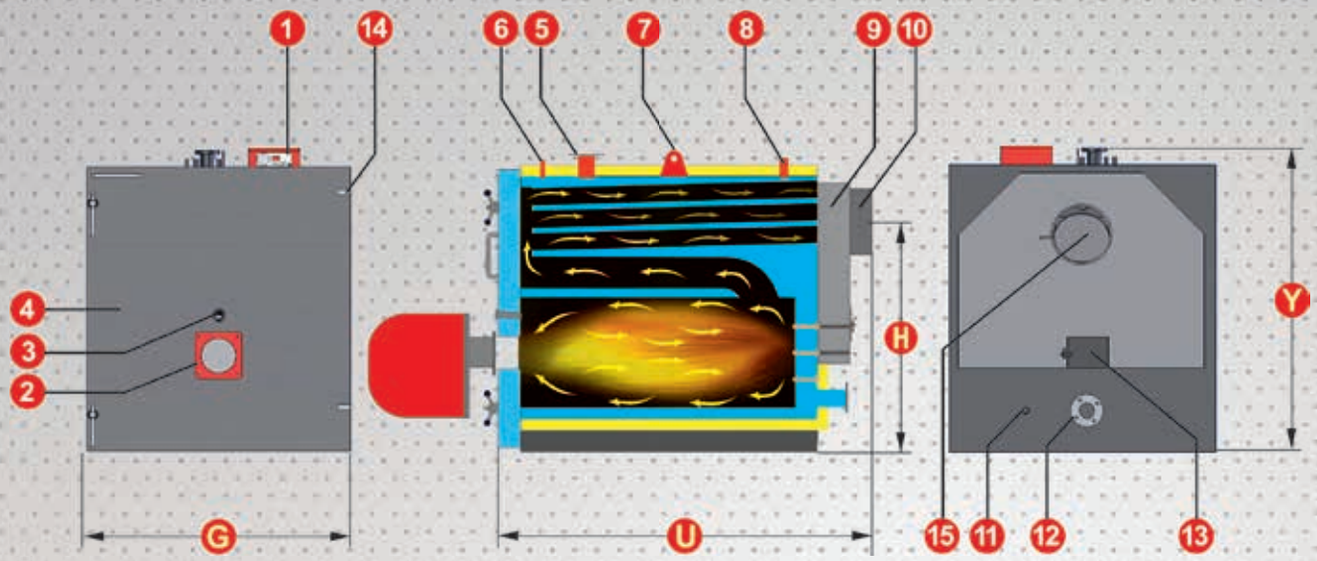
TS EN 12953-1-3
TS EN 497
TS EN 303-1-2-3-4
ISO 9001–2008
BFPN:152-4000

FEATURES OF ASSF LIQUID GAS FUEL PRISMATIC TYPE THREE PASS HEATING BOILERS

- They burn liquid and gas fuel with high efficiency.
- Burning efficiency is 96% and over and they have a structure that is very sensitive to environment.
- Low fuel consumption enables fuel saving and economy.
- They have longer life time in comparison to other boilers owing to their three-transitive structure.
- Owing to their superior design and manufacturing method, they are affected minimally by the corrosive materials within water.
- They are affected by plate deformation minimally that will occur by thermic tensions owing to their construction that balances heat transfer and enables equal dilation in all surfaces.
- They present on-site manufacturing flexibility and can be placed in narrow areas easily.
- Burned gases that are circulated within the boiler in proper angles and velocities are discharged from the chimney without allowing condensation and plate deformation is prevented as a result of acid corrosion in the boiler.
- The brilliant flare, which is generated in the muffle room where two transitive intensive burning occurs, is carried to the water from the burning cell by the “radiation heat transfer” means.
- Design and manufacture is made up to 40.000 kcal/h - 10.000.000 kcal/h.
- The boilers have flare-smoke pipes and the boiler pipes are welded to the mirrors.
- They work very quietly and efficiently owing to their high design and manufacturing technology.
- Solid fuel can be burned and capacity can be increased by coupling front furnace in different capacities optionally.
- They can be controlled remotely without cable (optionally).
- They can be used in narrow spaces with their prismatic canopy placed on their cylindrical three-transitive inner structure.
- They have ergonomic structure.



1. Control Panel	5. Hot water outlet	8. Safety output	12. Hot water recycle
2. Burner flange	6. Thermometer and hydrometer	9. Rear smoke Boxes	13. Cleaning cover
3. Flare peep cover	connection nozzles	10. Smoke channel	14. Aqueous hinge
4. Aqueous front cover	7. Transport ring	11. Safety input	15. Chimney Clapper

TECHNICAL MEASURES OF ASSF LIQUID GAS FUEL PRISMATIC TYPE THREE-PASS HEATING BOILERS

BOILER TYPE	UNIT	ASSF 40	ASSF 80	ASSF 100	ASSF 120	ASSF 150	ASSF 200	ASSF 250	ASSF 300	ASSF 350	ASSF 400
Capacity	Kcal/h	40.000	80.000	100.000	120.000	150.000	200.000	250.000	300.000	350.000	400.000
Capacity	kW	47	93	116	140	174	233	291	349	407	465
Width (G)	mm	850	1.040	1.040	1.040	1.110	1.210	1.210	1.210	1.250	1.350
Length (U)	mm	1.000	1.100	1.100	1.150	1.450	1.700	1.750	1.750	1.700	1.850
Height (Y)	mm	945	1.135	1.135	1.160	1.200	1.345	1.345	1.345	1.395	1.495
Funnel axis height (H)	mm	735	870	870	870	965	1.039	1.039	1.039	1.045	1.150
Base width x length	mm	900x1100	1090x1200	1090x1200	1090x1250	1160x1150	1260x1800	1260x1850	1260x1850	1300x1800	1400x1950
Heater Stream/return	PN6	1 1/2"	2"	2"	Ø65	Ø65	Ø65	Ø80	Ø80	Ø80	Ø100
Security stream	PN6	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
Security return	PN6	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Funnel exit	mm	Ø 130	Ø 150	Ø 150	Ø 180	Ø 180	Ø 250	Ø 250	Ø 300	Ø 300	Ø 350
Width	Kg	580	613	740	865	955	1.308	1.370	1.440	1.660	1.800
Water volume	Lt	546	530	714	863	935	1.584	1.482	1.482	1.850	2.000
Counter pressure	mbar	0,7	0,8	1,0	1,3	1,8	2,3	2,7	3,0	3,8	3,8

BOILER TYPE	UNIT	ASSF 450	ASSF 500	ASSF 600	ASSF 700	ASSF 750	ASSF 1000	ASSF 1250	ASSF 1500	ASSF 2000	ASSF 2500
Capacity	Kcal/h	450.000	500.000	600.000	700.000	750.000	1.000.000	1.250.000	1.500.000	2.000.000	2.500.000
Capacity	kW	523	581	698	814	872	1.163	1.453	1.744	2.326	2.907
Width (G)	mm	1.350	1.450	1.500	1.500	1.650	1.650	1.650	1.900	1.950	2.050
Length (U)	mm	1.900	1.900	1.900	2.200	2.250	2.550	2.700	2.800	3.350	3.600
Height (Y)	mm	1.495	1.665	1.700	1.700	1.840	1.840	1.840	2.035	2.085	2.235
Funnel axis height (H)	mm	1.150	1.300	1.300	1.300	1.400	1.400	1.400	1.550	1.550	1.645
Base width x length	mm	1400x2000	1500x2000	1550x2000	1550x2300	1700x2350	1700x2650	1700x2650	1950x2900	2000x3450	2100x3700
Heater Stream/return	PN6	Ø 100	Ø 100	Ø 125	Ø 125	Ø 125	Ø 125	Ø 150	Ø 150	Ø 200	Ø 200
Security stream	PN6	2"	2"	2"	Ø 65	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 80
Security return	PN6	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	Ø 65	Ø 65	Ø 65	Ø 65
Funnel exit	Ø mm	350	400	400	450	450	450	500	600	750	750
Width	Kg	2.050	2.200	2.548	2.850	3.150	3.700	4.450	5.350	6.600	7.600
Water volume	Lt	2.200	2.400	3.417	3.350	4.200	4.700	5.700	6.940	8.600	9.800
Counter pressure	mbar	4	4	5	5,9	6,5	7,6	8	8,3	8,5	8,7

- 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.