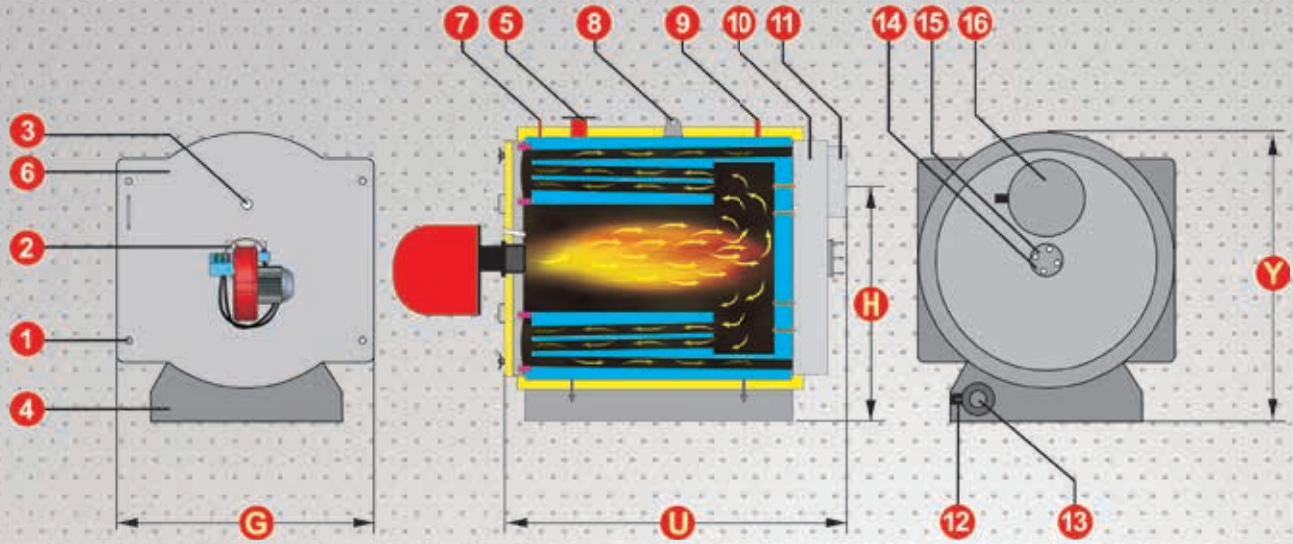


TS EN 12953-1-3
 TS EN 497
 TS EN 303-1-2-3-4
 ISO 9001-2008
 BFPN:152-2000



THE FEATURES OF ASSF LIQUID GAS FUEL FULL CYLINDRICAL SCOTCH TYPE THREE-PASS HEATING BOILERS

- It burns liquid and gas fuel at high efficacy
- Combustion efficacy is over 96% and more and it has an extremely sensitive design to the environment.
- With low fuel consumption, it provides fuel saving and economy.
- With three-transitive structure, it is more durable than the other boilers.
- Thanks to superior design and manufacturing method, corrosive substances affect water at minimum level.
- It is affected at the lowest level by construction providing equal expansion on all surfaces balancing heat transfer and by sheet deformations caused by thermic tensions.
- By providing on-site manufacturing flexibility, it can be inserted easily into narrow spaces.
- Burnt gases cycling within the boiler in appropriate angles and speeds are discharged from the funnel and sheet deformation can be prevented as a conclusion of acid corrosion in the boiler.
- Bright flame occurring in combustion chamber where intensive combustion with three transitions occurs is conveyed to water through "radiation heat transfer".
- Design and manufacturing can be performed up to 40.000 Kcal / h – 10.000.000 Kcal / h.
- Boilers have fire-smoke pipes and the boiler pipes are welded to the mirrors.
- Thanks to high design and manufacturing technology, it runs very silent and efficient.
- Front furnace coupled has been performed optionally at different capacities, solid fuel can be burnt and capacity increase can be done.
- It can be remote wireless controlled (optionally).



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|----------------------------|--|------------------------|---------------------|
| 1. Front Cover Clamp Lever | 6. Front Cover | 10. Rear smoke boxes | 15. Bursting hinge |
| 2. Burner flange | 7. Thermometer and hydrometer connection nozzles | 11. Smoke channel | 16. Chimney Clapper |
| 3. Flare peep cover | 8. Transport ring | 12. Safety input | |
| 4. Ground anchor profile | 9. Safety output | 13. Hot water recycles | |
| 5. Hot water outlet | | 14. Cleaning cover | |

TECHNICAL DIMENSIONS OF ASSF LIQUID GAS FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS HEATING BOILERS

BOILER TYPE	UNIT	ASSF 70	ASSF 100	ASSF 120	ASSF 150	ASSF 200	ASSF 250	ASSF 275	ASSF 300	ASSF 330	ASSF 350
Capacity	Kcal/h	70.000	100.000	120.000	150.000	200.000	250.000	275.000	300.000	330.000	350.000
Capacity	kW	81	116	140	174	233	291	320	349	384	407
Width	G mm	1.080	1.080	1.080	1.080	1.130	1.130	1.180	1.180	1.350	1.350
Length	U mm	1.300	1.300	1.350	1.400	1.600	1.750	1.900	1.900	1.900	1.900
Height	V mm	1.230	1.230	1.230	1.230	1.280	1.280	1.334	1.334	1.500	1.500
Funnel axis height	H mm	990	990	990	990	1.015	1.015	1.030	1.030	1.200	1.200
Base width x length	mm	1180x1400	1180x1400	1180x1450	1180x1500	1230x1700	1230x1850	1280x2000	1280x2000	1450x2000	1450x2000
Heater Stream/return	PN6	2"	2"	2"	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 80	Ø 80
Security stream	PN6	1 1/4"	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	Ø mm	200	200	200	200	250	250	300	300	350	350
Width	Kg	490	516	520	568	709	802	860	925	1.050	1.151
Water volume	Lt	405	396	428	445	646	722	867	852	1.237	1.218
Counter pressure	mbar	0,7	1	1,3	1,8	2,3	2,7	2,85	3	3,4	3,8

BOILER TYPE	UNIT	ASSF 400	ASSF 450	ASSF 500	ASSF 600	ASSF 700	ASSF 800	ASSF 875	ASSF 900	ASSF 1000	ASSF 1250
Capacity	Kcal/h	400.000	450.000	500.000	600.000	700.000	800.000	875.000	900.000	1.000.000	1.250.000
Capacity	kW	465	523	581	698	814	930	1.017	1.047	1.163	1.453
Width	G mm	1.350	1.400	1.450	1.450	1.500	1.500	1.500	1.500	1.500	1.600
Length	U mm	2.050	2.050	1.900	2.150	2.250	2.500	2.550	2.550	2.650	3.000
Height	V mm	1.500	1.575	1.600	1.600	1.700	1.700	1.700	1.700	1.700	1.800
Funnel axis height	H mm	1.163	1.213	1.300	1.300	1.352	1.352	1.352	1.352	1.352	1.425
Base width x length	mm	1450x2150	1500x2150	1550x2000	1550x2250	1600x2350	1600x2600	1600x2650	1600x2650	1600x2750	1700x3100
Heater Stream/return	PN6	Ø100	Ø100	Ø 100	Ø 125	Ø 125	Ø 125	Ø 125	Ø 125	Ø 125	Ø 150
Security stream	PN6	2"	2"	2"	2"	Ø 65	Ø 65	Ø 65	Ø 65	Ø 80	Ø 80
Security return	PN6	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	Ø 65	Ø 65
Funnel exit	Ø mm	350	350	400	400	450	450	450	450	450	500
Width	Kg	1.272	1.432	1.510	1.690	1.837	2.022	2.170	2.220	2.336	2.877
Water volume	Lt	1.349	1.413	1.450	1.561	1.775	2.035	2.059	2.045	2.105	2.524
Counter pressure	mbar	3,8	4	4	5	5,9	6,5	7,6	8	8,5	9

BOILER TYPE	UNIT	ASSF 1500	ASSF 1600	ASSF 1750	ASSF 1900	ASSF 2000	ASSF 2350	ASSF 2500	ASSF 3000	ASSF 3500	ASSF 4500
Capacity	Kcal/h	1.500.000	1.600.000	1.750.000	1.900.000	2.000.000	2.350.000	2.500.000	3.000.000	3.500.000	4.500.000
Capacity	kW	1.744	1.860	2.035	2.209	2.326	2.733	2.907	3.488	4.070	4.651
Width	G mm	1.750	1.750	1.750	1.900	1.900	1.900	1.900	1.900	2.150	2.400
Length	U mm	3.500	3.500	3.500	3.950	4.150	4.150	4.150	4.150	4.800	4.970
Height	V mm	2.030	2.030	2.030	2.180	2.180	2.180	2.180	2.180	2.410	2.480
Funnel axis height	H mm	1.575	1.575	1.575	1.715	1.715	1.715	1.715	1.715	1.730	1.925
Base width x length	mm	1850x3600	1850x3600	1850x3600	2000x4050	2000x4250	2000x4250	2000x4250	2000x4250	2250x4900	2500x5070
Heater Stream/return	PN6	Ø150	Ø150	Ø 200	Ø 200	Ø 200	Ø 200	Ø 200	Ø 250	Ø 250	Ø 250
Security stream	PN6	Ø100	Ø100	Ø100	Ø 100	Ø 100	Ø 100	Ø 100	Ø 100	Ø 100	Ø 150
Security return	PN6	Ø80	Ø80	Ø80	Ø 80	Ø 80	Ø 80	Ø 80	Ø 80	Ø 80	Ø 80
Funnel exit	Ø mm	550	550	600	650	650	650	650	650	750	750
Width	Kg	3.326	3.596	3.775	4.315	4.582	4624	5.049	5.474	6.200	6.540
Water volume	Lt	3.890	3.973	4.763	5.447	5.765	5.894	5.957	6.231	6.850	7.200
Counter pressure	mbar	9,01	9,08	9,08	9,1	9,12	9,28	9,37	9,4	9,45	9,5

- The right of making change in technical issues is reserved by our firm.
- Control Panel is optional.
- Base width must be accepted minimum as 100 mm.
- Optionally special designs and different capacities can be manufactured.