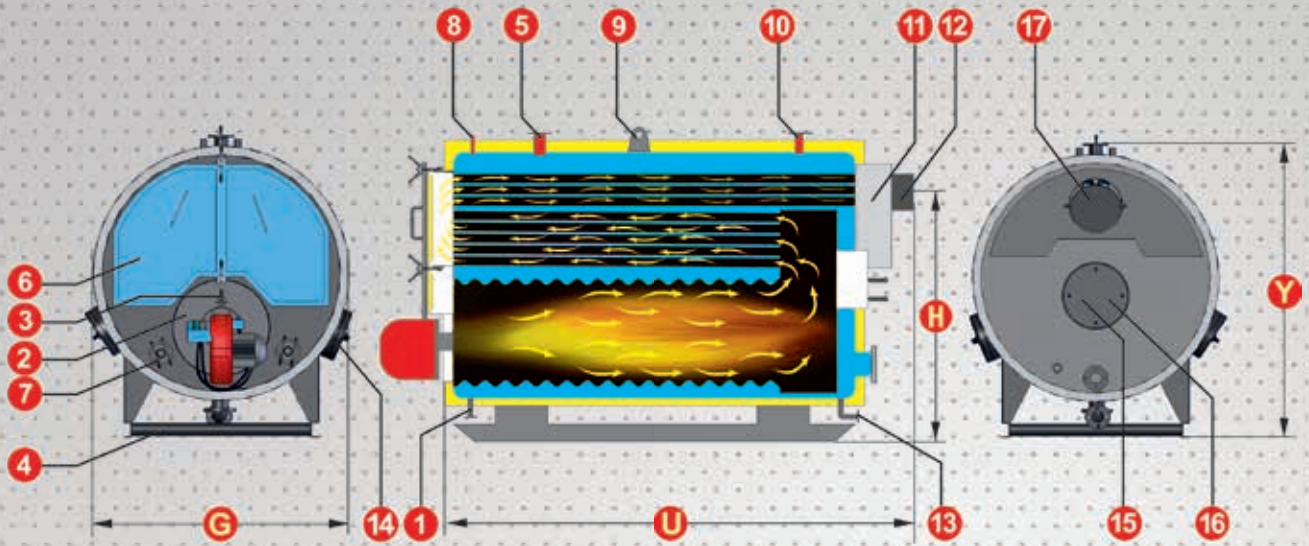




TS EN 12953-1-2  
 TS 377-1-2-3-4-5  
 ISO 9001-2008  
 BFPN:153-3700

#### THE FEATURES OF ASSF-K LIQUID GAS FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS SUPERHEATED WATER 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 small size and with high efficacy.
- It has convenient construction in high pressure values.
- It has been designed to scatter thermal tensions at high temperature.
- It is manufactured with the capacity to meet high energy needs.
- It can be applied in the systems where hot oil and steam are not used.
- It is manufactured with computer aided design and manufacturing technology in accordance with CE quality standards, TRD, EN, TSE standards.
- In continuous operating conditions, and in sudden hot water tractions, it provides high performance.
- With steam loop design, it provides benefiting from heat transfer at maximum level.
- With special design, it provides less electric and fuel consumption.
- It operates safer with the pipes welded to the mirrors and it prolongs the life of the boiler.
- With optimum isolation, it provides maximum performance.
- It has minimum flue gas emissions and environmentally friendly.
- It provides the operation opportunity with three transitional, rotary, pressure and rational type burners.
- It provides high thermal efficiency without economizers.
- With high capacity range, it provides wide industrial usage opportunity.
- BFPN : 153.3700 are solid fuel boilers made from hot water producer steel material under 3 atm construction pressure.
- BFPN : 153.4000 are solid fuel boilers made from hot water producer steel material under 6 atm construction pressure.



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	12. Smoke channel	17. Chimney Clapper
4. Ground anchor profile	thermometer nozzles	13. Foot bluff hole	
5. Hot water exit	9. Transport ring	14. Man hole	

### TECHNICAL FEATURES OF ASSF-K LIQUID GAS FUEL CYLINDRICAL SCOTCH TYPE THREE-PASS SUPERHEATED WATER BOILERS

BOILER TYPE	UNIT	ASSF-K 5	ASSF-K 10	ASSF-K 15	ASSF-K 20	ASSF-K 25	ASSF-K 30	ASSF-K 35	ASSF-K 40	ASSF-K 45	ASSF-K 50	ASSF-K 55
Capacity	m <sup>2</sup>	5	10	15	20	25	30	35	40	45	50	55
Capacity	kCal/h	125.000	250.000	375.000	500.000	625.000	750.000	875.000	1.000.000	1.125.000	1.250.000	1.375.000
Capacity	kW	145	291	436	581	727	872	1.017	1.163	1.308	1.453	1.599
Width	G mm	1.200	1.400	1.600	1.600	1.700	1.7000	1.750	1.800	1.900	1.900	1.950
Length	U mm	1.950	2.750	2.950	3.030	3.240	3.330	3.490	3.670	4.110	4.310	4.060
Height	Y mm	1.500	1.700	1.900	1.900	2.000	2.000	2.050	2.100	2.200	2.200	2.250
Funnel axis height	H mm	1.000	1.095	1.195	1.195	1.295	1.295	1.345	1.445	1.545	1.545	1.595
Base width x length	mm	1300x2050	1500x2850	1700x3050	1700x3130	1800x3340	1800x3430	1850x3590	1900x3770	2000x4210	2000x4410	2050x4160
Funnel Outlet	Ø mm	180x200	250x200	250x250	250x300	300x300	400x350	400x320	400x350	450x400	500x400	500x400
Security Valve Outlet	Ø mm	20/32	20/32	25/40	25/40	25/40	25/40	25/40	25/40	32/50	32/50	32/50
Water Volume	Lt	900	1.900	2.400	2.700	3.200	3.400	4.000	4.500	5.000	5.400	5.700
Weight (6 Atü)	Kg	950	1.300	1.900	2.100	2.600	2.800	3.200	3.600	4.000	4.400	4.600
Weight (8 Atü)	Kg	1.000	1.400	2.000	2.200	2.700	2.900	3.400	3.700	4.200	4.600	4.800
Weight (10 Atü)	Kg	1.100	1.500	2.100	2.300	2.800	3.100	3.600	3.900	4.4000	4.800	5.000
Weight (12 Atü)	Kg	1.200	1.600	2.200	2.400	2.900	3.300	3.800	4.100	4.700	5.300	5.500
Weight (15 Atü)	Kg	1.500	1.700	2.300	2.600	3.000	3.500	4.000	4.300	4.900	5.500	5.800
Counter Pressure	mBar	5	5	5	5	5	5	6	6	6	6	6

BOILER TYPE	UNIT	ASSF-K 65	ASSF-K 70	ASSF-K 75	ASSF-K 80	ASSF-K 85	ASSF-K 90	ASSF-K 95	ASSF-K 100	ASSF-K 125	ASSF-K 150	ASSF-K 175
Capacity	m <sup>2</sup>	65	70	75	80	85	90	95	100	125	150	175
Capacity	kCal/h	1.625.000	1.750.000	1.875.000	2.000.000	2.125.000	2.250.000	2.375.000	2.500.000	3.125.000	3.750.000	4.375.000
Capacity	kW	1.890	2.035	2.180	2.326	2.471	2.616	2.762	2.907	3.634	4.360	5.087
Width	G mm	2.000	2.100	2.150	2.150	2.250	2.300	2.300	2.400	2.600	2.700	2.700
Length	U mm	4.370	4.120	4.150	4.400	4.200	4.250	4.350	4.400	4.500	4.850	4.850
Height	Y mm	2.300	2.400	2.450	2.450	2.550	2.600	2.600	2.700	2.900	3.000	3.000
Funnel axis height	H mm	1.645	1.745	1.795	1.795	1.895	1.945	1.945	2.045	2.245	2.345	2.345
Base width x length	mm	2100x4470	2200x4220	2250x4250	2250x4500	2350x4300	2400x4350	2400x4450	2500x4500	2700x4600	2800x4950	2800x4950
Funnel Outlet	Ø mm	500x400	500x500	500x500	600x450	600x500	600x600	600x600	650x650	650x650	750x750	750x750
Security Valve Outlet	Ø mm	32/50	40/65	40/65	50/80	50/80	50/80	50/80	50/80	50/80	65/100	65/100
Water Volume	Lt	6.000	6.200	6.400	6.700	7.200	7.700	8.000	8.500	10.000	10.800	14.500
Weight (6 Atü)	Kg	4.900	5.300	5.700	6.000	6.300	6.800	7.000	7.200	8.500	10.800	11.500
Weight (8 Atü)	Kg	5.200	5.700	6.000	6.500	6.600	6.900	7.200	7.700	9.300	11.500	12.500
Weight (10 Atü)	Kg	5.500	6.000	6.300	6.800	7.000	7.300	7.600	7.900	9.800	12.500	13.500
Weight (12 Atü)	Kg	6.000	6.500	7.000	7.400	7.600	7.900	8.100	8.300	10.500	13.300	14.500
Weight (15 Atü)	Kg	6.200	6.700	7.200	7.800	8.000	8.200	8.400	8.700	11.200	14.000	15.200
Counter Pressure	mBar	6	6	6	6	6	6	6	6	6	7	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.