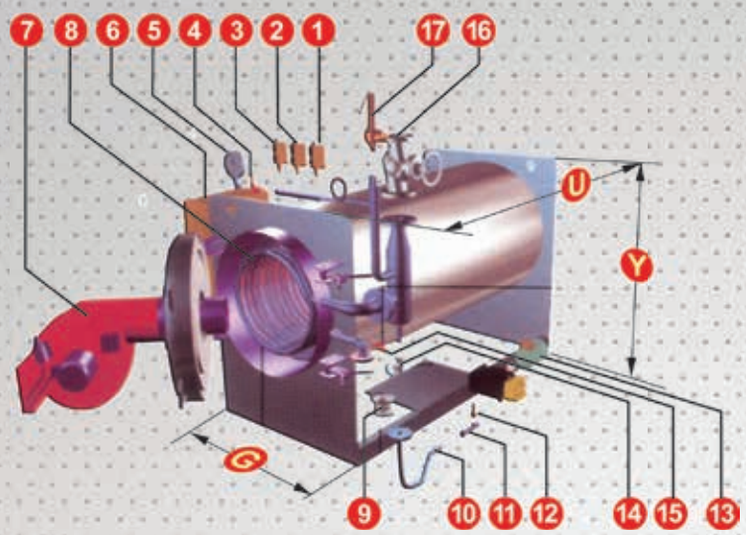
TS EN 12953-1-3
TS 377-1-2-3-4-5
ISO 9001–2008
BFPN:153-3000

THE FEATURES OF ABJ LIQUID GAS FUEL STEAM GENERATORS

- 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 manufactured in horizontal and vertical type. It is in small size and it takes up very small place.
- It produces needed pressure in a very short time.
- It has been manufactured from three-transitional nested steel drawn pipe as spiral serpentine.
- Combustion process is completed in the combustion chamber (1st transition) and the gases occurring with completely produced by the complete combustion of the flames direct to the 2nd transition through two rows of tubes, then the burnt gases leaves the steam generator by passing through outer pipe and the internal wall (3rd transitional)
- It has been exploited from the energies at maximum level by making 3 transitions for gases.
- It has full automatic combustion control system
- Since water volume is too less, it can be installed without requiring a special precaution in the building.
- Thanks to compact type electrical remote control panel, it ensures sound and light warning for the defects.
- Refractory concrete that is resistant to high temperature and have insulation feature is casted in front cover and fire return camber.
- Generator outer body is isolated as oven-drying sheeting on stone wool with high density.
- The pomp with constant water discharge in pressure changing and triplex type ceramics pistons that can operate at the temperature of max. 105°C.
- Depending on the fuel options, it operates with liquid and gas fuel burner without problem.
- It provides operation flexibility with steam separator and it ensures to obtain dry steam.
- It is submitted as package including ABJ series steam generators, burner, condense tank, feed water pump, operation and security armatures, electrical remote control panel, water softener device.
- It is manufactured with computer aided design and manufacturing technology in accordance with CE quality standards, TRD pressure vessels directive, EN, TSE standards.
- These boilers are the most convenient solution for steam supply with rapid and high pressure in many industry branches including machine, food, textile, chemistry, dyeing plant, dry cleaning.
- 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.	Security pressure prosestad	6.	Control panel	11.	Flow control switch	16.	Steam exit valve
2.	Maximum pressure prosestad	7.	Burner	12.	Overpressure valve	17.	Security valve
3.	Adjustment pressure prosestad	8.	Combustion cell and serpentine	13.	Feed water pomp		
4.	Three-way control valve	9.	Control valve	14.	Processing blowdown valve		
5.	Manometer	10.	Flexible connection	15.	Backwash blowdown valve		

TECHNICAL DIMENSIONS OF ABJ LIQUID GAS FUEL STEAM GENERATORS

BOILER TYPE	UNIT	AJB 120	AJB 200	AJB 300	AJB 400	AJB 500	AJB 600	AJB 800
Steam capacity	Kg/h	120	200	300	400	500	600	800
Heat capacity	Kcal/h	72.000	120.00	180.000	240.000	300.000	360.000	480.000
Width G	mm	1.450	1.450	1.450	1.450	1.500	1.500	1.500
Length U	mm	1.575	1.575	1.575	1.675	1.675	1.650	1.650
Height Y	mm	1.650	1.650	1.650	1.650	1.650	2.275	2.275
Base width x length H	mm	1550 x 1675	1550 x 1675	1550 x 1675	1550 x 1775	1600 x 1775	1600 x 1750	1600 x 1750
Water volume	Lt	11	18	27	36	39	54	90
Funnel diameter	Ø mm	Ø180	Ø180	Ø180	Ø180	Ø180	Ø250	Ø250
Steam exit diameter	Ø mm	25	25	32	40	50	50	65
Security valve output	Ø mm	20/32	20/32	20/32	20/32	20/32	20/32	25/40
Weight (6 Bar)	Kg	750	750	750	850	850	1.250	1.250

BOILER TYPE	UNIT	AJB 1000	AJB 1200	AJB 1500	AJB 1800	AJB 2000	AJB 2500	AJB 3000
Steam capacity	Kg/h	1000	1200	1500	1800	2000	2500	3000
Heat capacity	Kcal/h	600.000	720.000	900.000	1.080.000	1.200.000	1.500.000	1.800.000
Width G	mm	1.500	1.500	1.700	1.750	1.750	1.750	1.750
Length U	mm	1.650	1.650	1.900	2.050	2.050	2.125	2.200
Height Y	mm	2.275	2.275	3.275	3.375	3.375	3.700	4.100
Base width x length H	mm	1600 x 1750	1600 x 1750	1800 x 2000	1850 x 2150	1850 x 2150	1850 x 2225	1850 x 2300
Water volume	Lt	127	170	194	194	296	340	388
Funnel diameter	Ø mm	Ø250	Ø250	Ø350	Ø350	Ø350	Ø450	Ø450
Steam exit diameter	Ø mm	65	65	80	80	100	100	100
Security valve output	Ø mm	25/40	25/40	25/40	25/40	32/50	32/50	40/65
Weight (6 Bar)	Kg	1.350	1.350	2.000	2.250	2.250	3.300	3.700

- 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.