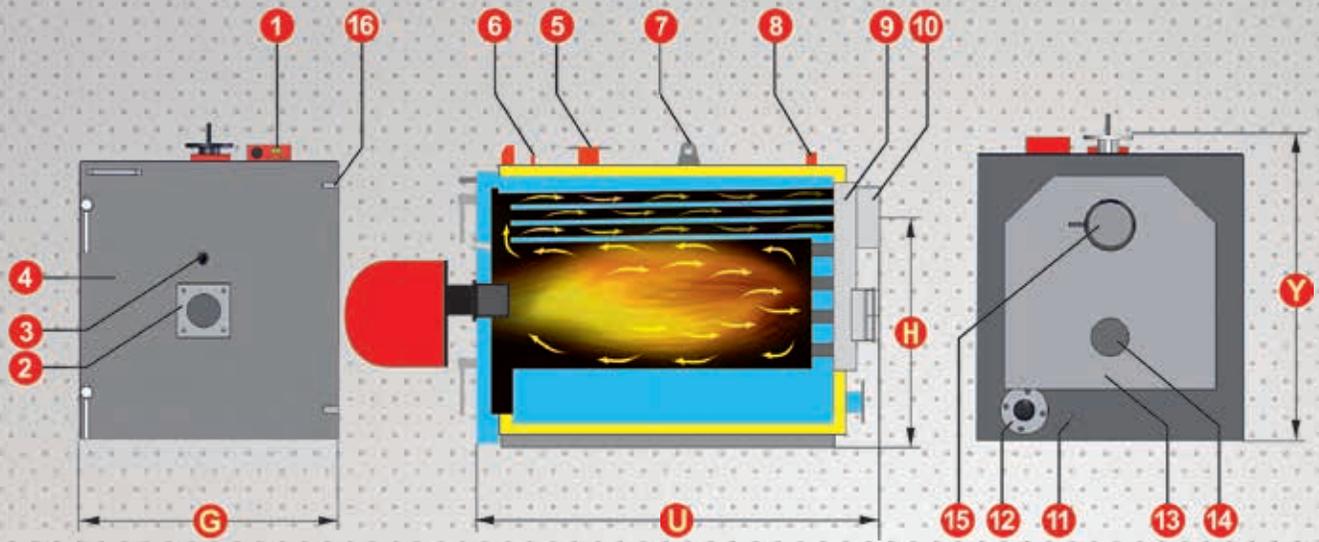


TS EN 12953-1-3
 TS EN 497
 TS EN 303-1-2-3-4
 ISO 9001-2008
 BFPN:152-2000



FEATURES OF AKB LIQUID-GAS FUEL COUNTER PRESSURE HEATING BOILERS

- 5% increase is achieved in the boiler efficiency and 5% economy is achieved in fuel consumption with the state of the art "liquid cap system."
- Fireproof concrete problems are ended with the fluid cap technology.
- They are manufactured with the developed manufacturing technology, superior quality and high sensitivity.
- They enable ECONOMIC usage convenience with high efficiency design and low fuel consumption.
- They are suitable to natural gas, LPG and liquid fuel usage and have high efficiency and long life time.
- They are affected by sediments and lime at a minimum level owing to its design.
- They have easy dilation ability balancing temperature differences within the boiler.
- AKB type boilers are manufactured in our factory in the light of counter pressure technology and by using the labor force, automation opportunities of this country and by using domestic materials.
- They have on-site manufacturing flexibility.
- They have ergonomic design.
- With the counter pressure burning technology, the flare returns to the same cell and the gases and semi burned fuel particles that meet the boiler flare for the second time burns again and turns into energy and the fuel is burned completely.
- 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.
- Gas-diverting turbulators diminish the velocity of smoke and gases within the flare pipes and enables the heat transfer to be kept in a maximum level in this region.
- Resistance of the cylindrical inner design is improved by high capacity curled furnace construction and it has gained an aesthetic and modern look with its prismatic outer appearance.
- enable usage ease in narrow areas owing to their proper dimensions.
- They are manufactured in the range of 40.000 kcal/h and 5.000.000 kcal/h owing to their high efficiency.
- They can be controlled remotely without cable (optional).
- Temperature values can be read on the card with the digital temperature indicator and heat control can be controlled with the desired program.
- ALFA brand name has a deserved TRUST throughout the country with the superior quality that we present in production and after sales service.



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|-------------------------|---|----------------------|-------------------|
| 1. Control panel | 6. Thermometer and hydrometer conn. nozzles | 10. Smoke canal | 15. Chimney valve |
| 2. Boiler plate | 7. Carriage ring | 11. Safety entry | 16. Fluid hinge |
| 3. Flare monitoring cap | 8. Safety exit | 12. Hot water return | |
| 4. Liquid front cap | 9. Back smoke box | 13. Cleaning cap | |
| 5. Hot water exit | | 14. Explosion cap | |

TECHNICAL MEASUREMENTS OF AKB LIQUID-GAS FUEL OPPOSITE PRESSURE HEATING BOILERS

BOILER TYPE	UNIT	AKB 80	AKB 100	AKB 125	AKB 150	AKB 200	AKB 250	AKB 300	AKB 350	AKB 400	AKB 450
Capacity	Kcal/h	80.000	100.000	125.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000
Capacity	kW	93	116	145	174	233	291	349	407	465	523
Width	mm	830	890	1.050	1.050	1.050	1.250	1.250	1.250	1.250	1.410
Length	mm	1.550	1.550	1.550	1.550	1.850	1.850	1.850	1.850	2.150	1.850
Height	mm	875	940	1.135	1.135	1.135	1.330	1.330	1.340	1.345	1.500
Chimney axial height	mm	610	690	830	830	805	980	980	980	955	1.125
Base width x length	mm	880x1650	940x1650	1100x1650	1100x1650	1100x1950	1300x1950	1300x1950	1300x1950	1300x2250	1460x1950
Boiler departure/ return	PN6	2"	2"	Ø 65	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100
Safety departure	PN6	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
Safety return	PN6	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
Chimney exit	Ø mm	Ø 150	Ø 180	Ø 200	Ø 200	Ø 250	Ø 300	Ø 300	Ø 350	Ø 350	Ø 400
Weight	Kg	372	427	492	555	639	849	849	890	980	1.050
Water volume	Lt	188	208	247	286	441	520	520	480	630	660
Counter pressure	mbar	0,70	0,80	1,00	1,10	1,20	1,60	1,80	2,10	2,20	2,50

BOILER TYPE	UNIT	AKB 500	AKB 550	AKB 600	AKB 700	AKB 800	AKB 1000	AKB 1250	AKB 1500	AKB 2000	AKB 2500
Capacity	Kcal/h	500.000	550.000	600.000	700.000	800.000	1.000.000	1.250.000	1.500.000	2.000.000	2.500.000
Capacity	kW	581	640	698	814	930	1.163	1.453	1.744	2.326	2.907
Width	mm	1.410	1.410	1.450	1.450	1.600	1.600	1.600	1.750	1.750	1.950
Length	mm	2.150	2.150	2.100	2.450	2.450	2.650	3.100	3.050	3.600	4.550
Height	mm	1.500	1.500	1.530	1.530	1.660	1.675	1.675	1.835	1.835	2.165
Chimney axial height	mm	1.090	1.090	1.100	1.100	1.232	1.226	1.226	1.335	1.335	1.465
Base width x length	mm	1460x2250	1460x2250	1500x2200	1500x2250	1650x2550	1650x2750	1650x3200	1800x3150	1800x3700	2000x4650
Boiler departure/ return	PN6	Ø 100	Ø 100	Ø 125	Ø 125	Ø 125	Ø 125	Ø 150	Ø 150	Ø 200	Ø 200
Safety departure	PN6	2"	2"	2"	Ø 65	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 80
Safety return	PN6	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	Ø 65	Ø 65	Ø 65	Ø 65
Chimney exit	Ø mm	Ø 400	Ø 400	Ø 450	Ø 450	Ø 500	Ø 500	Ø 600	Ø 600	Ø 750	Ø 750
Weight	Kg	1.150	1.250	1.338	1.520	1.820	2.100	2.400	2.850	3.750	4.700
Water volume	Lt	860	980	775	1.060	1.350	1.350	1.700	2.076	2.650	3.400
Counter pressure	mbar	2,80	3	3,30	3,50	3,80	4	4,50	5	5,40	6,7

- Base height must be accepted as minimum 100mm.
- The right to make modification in the technical matters is reserved by our company.
- Special designs and manufacturing can be made.