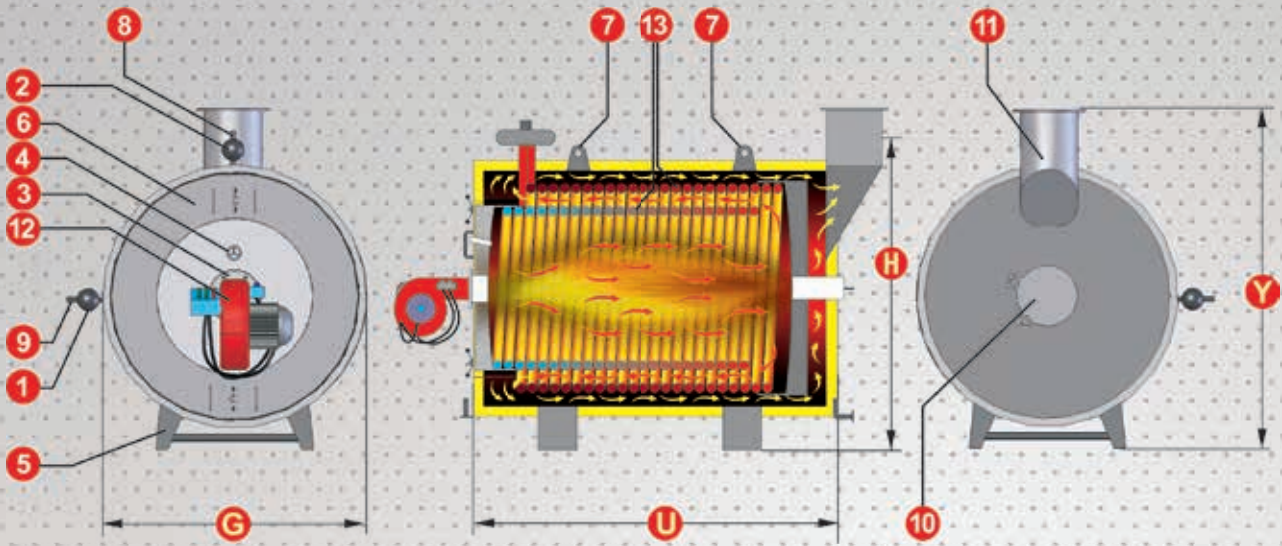




TSEK
ISO 9001-2008

THE FEATURES OF AKYF LIQUID GAS FUEL OPERATED HOT OIL BOILERS

- It provides the opportunity to obtain hot oil at high temperatures.
- It has been designed not to have still liquid in hot oil boilers.
- Heating surface has been manufactured from intertwined seamless steel pipes in a shape of spiral in accordance with DIN 4754.
- In the system, necessary control and automation equipment (flow, pressure and heat control) is integrated and the necessary security measures were taken.
- Hot oil boilers provide the opportunity to intervene thanks to special designs of hot oil boilers.
- Its maintenance is very easy.
- It has optimum insulation thickness.
- Hot oil can be obtained at atmosphere pressure up to 300°C temperature.
- Thermal oil used as heat conveyor in the system does not leave residues in the facility and it does not cause corrosion.
- There is no conditioning need for thermal oil.
- Hot oil is used at high temperatures besides being used in the production of steam and hot water.
- Desired heat adjustment can be made up to 300°C.
- It can be used in many branches of the industry and in the places where it is needed to high temperatures and heat transfer in these temperatures.



1. Hot Oil Input Collector	5. Ground anchor profile	8. Pressure difference transmitters connection outlet nozzles	10. Bursting hinge
2. Hot Oil Outlet Collector	6. Front casting cover	9. Pressure difference transmitters connection input nozzles	11. Chimney outlet
3. Burner Flange	7. Handling ring		12. Burner
4. Flare peep cover			13. Hot oil serpentine

TECHNICAL DIMENSIONS OF AKYF LIQUID GAS FUEL OPERATED HOT OIL BOILERS

BOILER TYPE	UNIT	AKYF 100	AKYF 125	AKYF 150	AKYF 200	AKYF 250	AKYF 300	AKYF 400	AKYF 500	AKYF 600	AKYF 800	AKYF 1000
Capacity	Kcal/h	100.000	125.000	150.000	200.000	250.000	300.000	400.000	500.000	600.000	800.000	1.000.000
Capacity	kW	116	145	174	233	291	349	465	581	698	930	1.163
Oil outlet temperature	°C	280	280	280	280	280	280	280	280	280	280	280
Oil input temperature	°C	240	240	240	240	240	240	240	240	240	240	240
Width	G mm	950	1.000	1.000	1.130	1.130	1.130	1.230	1.425	1.550	1.700	1.800
Length	U mm	950	1.050	1.150	1.250	1.350	1.580	1.730	1.880	2.000	2.200	2.400
Height	Y mm	1.000	1.050	1.050	1.150	1.150	1.150	1.250	1.400	1.500	1.660	1.760
Funnel axis height	H mm	1.400	1.450	1.450	1.550	1.550	1.550	1.650	1.800	1.900	2.060	2.160
Base width x length	mm	1050x1050	1100x1150	1100x1250	1230x1350	1230x1450	1230x1680	1330x1830	1525x1980	1650x2100	1800x2300	1900x2500
Oil input diameter (PN16)	∅ mm	32	32	32	40	40	50	65	65	65	80	100
Oil outlet diameter (PN16)	∅ mm	32	32	32	40	40	50	65	65	65	80	100
Oil capacity	Lt	20	31	36	50	56	68	91	133	160	252	674
Chimney outlet	∅ mm	150	150	150	200	200	200	250	250	300	300	350
Weight	kG	920	1.025	1.100	1.360	1.440	1.875	2.065	2.645	3.100	3.250	4.500
Oil Side Resistance	mBar	450	460	500	525	550	600	800	850	850	870	950

BOILER TYPE	UNIT	AKYF 1250	AKYF 1500	AKYF 2000	AKYF 2500	AKYF 3000	AKYF 3500	AKYF 4000	AKYF 5000	AKYF 6000	AKYF 8000	AKYF 10000
Capacity	Kcal/h	1.250.000	1.500.000	2.000.000	2.500.000	3.000.000	3.500.000	4.000.000	5.000.000	6.000.000	8.000.000	10.000.000
Capacity	kW	1.453	1.744	2.326	2.907	3.488	4.070	4.651	5.814	6.977	9.302	11.628
Oil outlet temperature	°C	280	280	280	280	280	280	280	280	280	280	280
Oil input temperature	°C	240	240	240	240	240	240	240	240	240	240	240
Width	G mm	2.000	2.050	2.400	2.500	2.650	2.800	3.875	3.225	3.525	3.950	4.150
Length	U mm	2.625	3.025	3.525	3.725	4.125	4.350	4.750	5.150	5.550	6.550	7.550
Height	Y mm	1.960	2.000	2.350	2.450	2.600	2.750	2.800	3.150	3.400	3.800	4.000
Funnel axis height	H mm	2.360	2.400	2.750	2.850	3.000	3.150	3.200	3.550	3.800	4.200	4.400
Base width x length	mm	2100x2725	2150x3125	2500x3625	2600x3825	2750x4225	2900x4450	3975x4850	3325x5250	3625x5650	4050x6650	4250x7650
Oil input diameter (PN16)	∅ mm	100	125	125	150	150	150	200	200	200	250	250
Oil outlet diameter (PN16)	∅ mm	100	125	125	150	150	150	200	200	200	250	250
Oil capacity	Lt	1.043	1.290	2.175	2.561	3.636	4.158	4.719	7.122	8.604	13.977	17.498
Chimney outlet	∅ mm	400	450	500	550	600	650	700	800	900	1.000	1.150
Weight	kG	6.150	7.200	10.450	11.630	14.955	17.150	19.100	24.685	31.625	42.275	54.230
Oil Side Resistance	mBar	1.000	1.100	1.200	1.400	2.250	2.500	2.750	3.000	3.000	3.000	3.500

- 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.