Features

- Power range between 0.1 and 15 MW
- Design codes : AD-2000, DIN 4754,
- ASME VIII Div. 1
- CE Marked
- Design pressure: 8 bar_g
- Max. Working pressure: 7 bar_g
- Design temperature: 400ºC
- Max. Service temperature: 350ºC
- Number of coils: 2
- Effective smoke passes: 3
- Thermal efficiency: 87 – 91% (*)
- Coils material quality: ASME SA 106 Gr. B
- Horizontal / vertical execution

Options

- Specific Delta T
- Low film temperature
- Customized executions according to needs
- Communication with PC
- Service temperature up to 400ºC
- Other service pressures
- Turn front and back doors for cleaning
- Heat recovery from combustion gases. Yield up to 96%
- Polished stainless steel finish

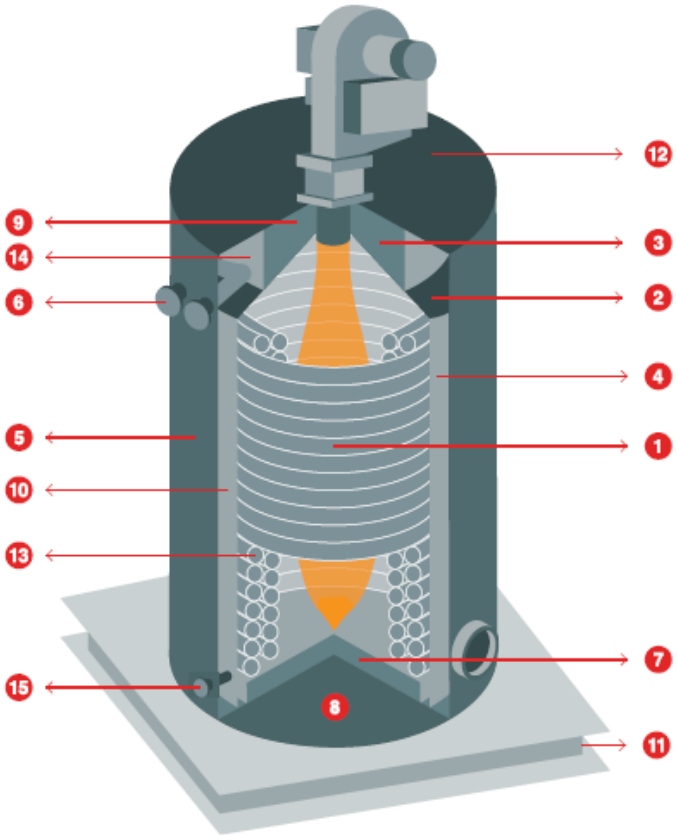
Cylindrical shell thermal oil boilers for liquid or gaseous fuels. The burner flame is projected into the combustion chamber sized according to the geometry of the flame. At the base it changes direction by circulating the combustion gases between the two coils at high speed up to the front cover. There, gases change again of direction until they are evacuated through the chimney located at the opposite side of the envelopes. The entry of the thermal fluid is through the outer coil where the heat is transmitted practically only by convection; then it pass to the inner coil where the heat is transmitted by radiation achieving excellent energy performances.

Applications

- Reactors
- Asphalt / bitumen heating
- Storage tanks
- Fryers
- Paintings
- Plastic and rubber
- Oils and fats / greases
- Drying processes
- Evaporators
- Distillation columns
- Heat exchangers
- Solar energy
- Mining
- Presses
- Flexography and rotogravure
- Pilot plants
- Etc...

Heater Scheme:

1. Outer coils
2. Coils cover
3. Combustion chambers furnace
4. Internal envelope
5. External envelope
6. Connection Flanges
7. Combustion chamber base
8. Base insulation
9. Ceramic Fier
10. Thermal Insulation
11. UPN Profiles
12. Heater lid
13. Inner Coil
14. Combustion chamber closing
15. Drainer flange



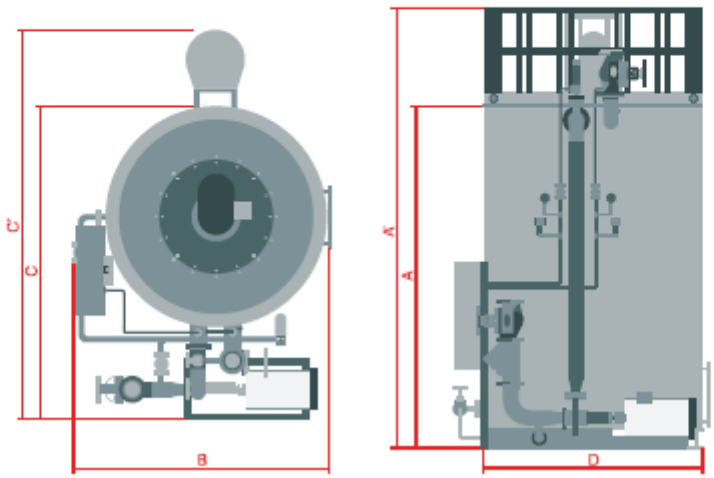
Available power configurations

MODEL	HEATING	
	kcal/h	kW
GFT-010	100.000-150.000	116-175
GFT-020	200.000 -300.000	233-350
GFT-030	300.000-400.000	350-465
GFT-040	400.000-550.000	465-640
GFT-060	650.000-850.000	750-1000
GFT-090	900.000-1.300.000	1.050-1.500
GFT-130	1.400.000-1.800.000	1.600-2.040
GFT-170	2.000.000-2.300.000	2.300-2.700
GFT-200	2.500.000-2.800.000	2.900-3.300
GFT-300	3.000.000-3.500000	3.500-4.070
GFT-400	4.000.000-5.000.000	4.651-5.232
GFT-500	5.000.000-6.000.000	5.814-6.395
GFT-600	6.000.000-7.000.000	5.977-7.558
GFT-800	8.000.000-10.000.000	9.300-11.700

Main dimensions

MODEL	A	B	C	D	A'	B'
GFT-010	1514	1288	1585	962		
GFT-020	1617	1424	1675	1073		
GFT-030	1821	1545	1794	1294		
GFT-040	2087	1654	1975	1279		
GFT-060	2615	1830	2255	1490	3720	3120
GFT-090	3175	2090	2426	1693	4275	3285
GFT-130	3270	2382	2860	1975	4370	3725
GFT-170	3880	2575	3110	2190	4980	4010
GFT-200	4035	2785	3237	2395	5125	4100
GFT-300	4750	2913	3438	2558	5820	4300
GFT-400	5500	3214	3780	2830	6600	4665
GFT-500	6600	3432	4098	3148	7732	4983
GFT-600	6632	3746	4098	3348	7737	4983
GFT-800	7000	4000	4350	3400	8105	5325

Vertical



MODEL	A	B	C	D	E	F
GFT-010	2245	1514	1290	1230	1580	560
GFT-020	2320	1675	1495	1400	1620	696
GFT-030	2630	1820	1630	1568	1820	886
GFT-040	2965	2165	1810	1711	1865	1100
GFT-060	3540	2596	1915	1817	2190	1215
GFT-090	4424	3105	2105	2012	2450	1495
GFT-130	4750	3125	2400	2305	2760	1707
GFT-170	4855	3840	2705	2610	3131	1900
GFT-200	5250	4020	2812	2702	3270	2050
GFT-300	5560	4652	3010	2916	3345	2155
GFT-400	6400	5500	3140	3056	3550	2280
GFT-500	7300	6430	3480	3372	3890	2376
GFT-600	8200	6715	3580	3480	4419	2400
GFT-800	8680	7000	3832	3732	4680	2600

Horizontal