

Thermal Fluid Heaters

GFT LINE

Standard manufacturing program for
liquids and gaseous fuels

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Characteristics

- › Powers between 0.1 and 15 MW
- › Codes of design: AD-2000, DIN 4754, ASME VIII Div. 1
- › Marked CE
- › Design pressure: 8 bar_g
- › Max. working pressure: 7 bar_g
- › Design temperature: 400° C
- › Max. working temperature: 350° C
- › Number of coils: 2
- › Number of smoke passes: 3
- › Thermal efficiency: 87 – 91% (*)
- › Material's quality of coils: ASTM A106 Gr. B

Options

- › Horizontal / vertical execution
- › Different delta T
- › Particular applications
- › Communication with PC
- › Service temperature till 400 °C
- › Opening front and rear doors for cleaning
- › Other service pressures
- › Heat recovery from combustion gases
- › Polishing stainless steel finish

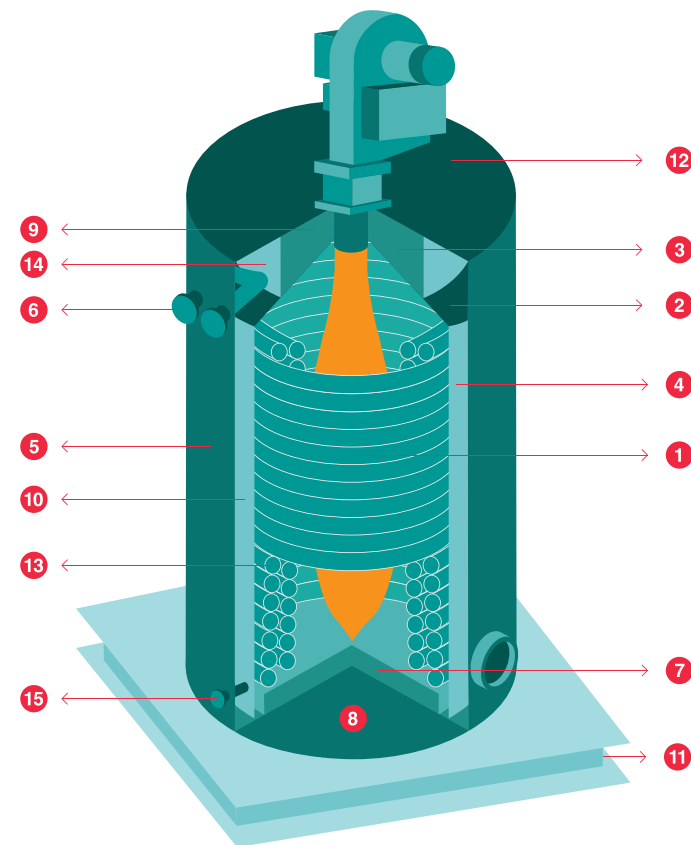
Applications

- | | | |
|-----------------------------|------------------------|-------------------------------|
| › Reactors | › Drying processes | › Presses |
| › Heating asphalt / bitumen | › Evaporators | › Flexography and rotogravure |
| › Storage tanks | › Distillation columns | › Universities |
| › Paintings | › Exchangers | › Research Centers |
| › Plastics & Rubber | › Solar energy | › Etc ... |
| › Oils and fats | › Mining | |

Model	Calorific power (*)	
	kcal/h	kW
GFT-010	100000-150000	116-175
GFT-020	200000-300000	233-350
GFT-030	300.000-400000	350-465
GFT-040	400000-550000	465-640
GFT-060	650000-850000	756-990
GFT-090	900000-1300000	1047-1512
GFT-130	1400000-1800000	1625-2039
GFT-170	2000000-2300000	2325-2674
GFT-200	2500000-2800000	2905-3258
GFT-300	3000000-3500000	3488-4070

Higher powers available

(*) Depending on service conditions: temperature, fuel, flow, etc ...



The scheme of a thermal fluid heater

- 1 External coil
- 2 Coils cover
- 3 Combustion chamber's cover
- 4 Internal envelop
- 5 External envelop
- 6 Connection flanges
- 7 Combustion chamber's base
- 8 Base insulation
- 9 Ceramic fiber
- 10 Insulation
- 11 UPN profiles
- 12 Heater's lid
- 13 Internal coil
- 14 Combustion chamber closing
- 15 Drain Flange

Order Code

Example: GFT-020/xx/x

Model

Thermal Jumps
(20°-40°)

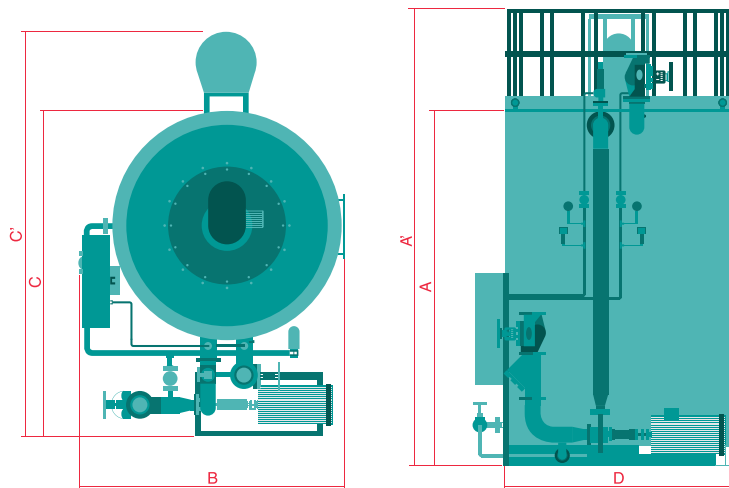
"V" Vertical
"H" Horizontal

Main dimensions (mm)

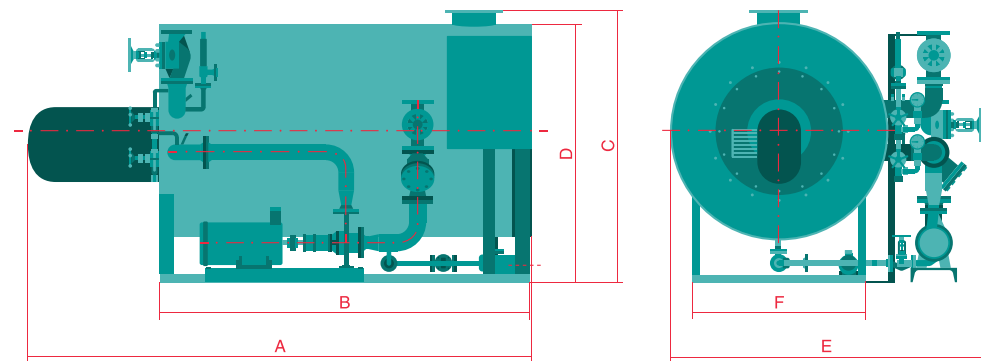
Model	A	B	C	D	A'	C'
GFT-010	1500	1525	1585	954		
GFT-020	1680	1580	1750	1100		
GFT-030	1821	1855	2000	1294		
GFT-040	2200	1855	2000	1292		
GFT-060	2625	2000	2350	1522	3720	3220
GFT-090	3170	2075	2525	1730	4275	3390
GFT-130	3180	2400	2780	1997	4280	3645
GFT-170	3875	2700	3160	2200	4980	4030
GFT-200	4020	2880	3270	2387	5125	4130
GFT-300	4715	3130	3515	2554	5820	4375

Model	A	B	C	D	E	F
GFT-010	2245	1500	1290	1230	1580	800
GFT-020	2705	1675	1495	1415	1620	900
GFT-030	2905	1875	1670	1614	1820	1100
GFT-040	3675	2200	1810	1725	1840	1100
GFT-060	3600	2600	1915	1825	2190	1215
GFT-090	4470	3105	2105	2025	2455	1715
GFT-130	4750	3125	2400	2335	2760	1715
GFT-170	5250	3840	2610	2530	2925	1975
GFT-200	5250	4020	2800	2730	3270	2050
GFT-300	5560	4670	3010	2930	3345	2155

Vertical



Horizontal



The manufacturer reserves the right to modify the dimensions according with execution drawings.

Múltiple arrangements

