

## 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

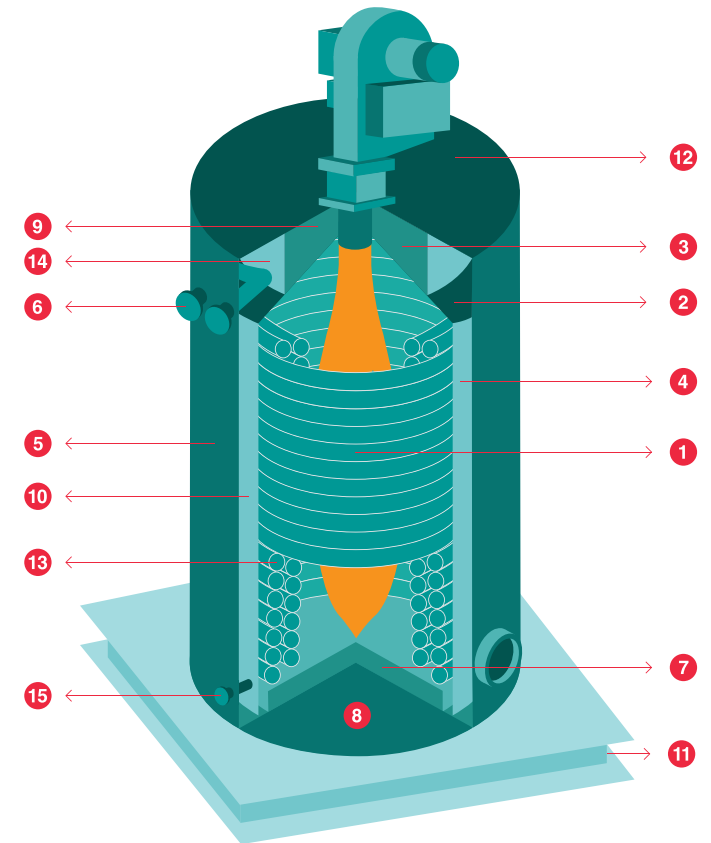
## Applications

- |                             |                        |                               |
|-----------------------------|------------------------|-------------------------------|
| > 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
<b>GFT-010</b>	100000-150000	116-175
<b>GFT-020</b>	200000-300000	233-350
<b>GFT-030</b>	300.000-400000	350-465
<b>GFT-040</b>	400000-550000	465-640
<b>GFT-060</b>	650000-850000	756-990
<b>GFT-090</b>	900000-1300000	1047-1512
<b>GFT-130</b>	1400000-1800000	1625-2039
<b>GFT-170</b>	2000000-2300000	2325-2674
<b>GFT-200</b>	2500000-2800000	2905-3258
<b>GFT-300</b>	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°)

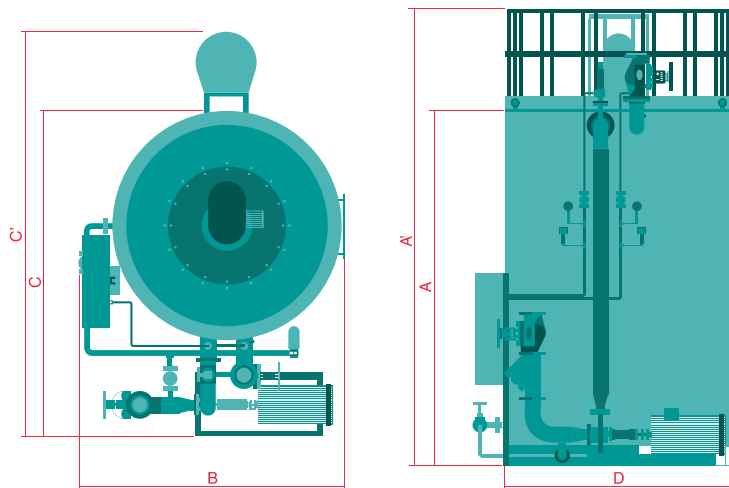
"V" Vertical  
"H" Horizontal

## Main dimensions (mm)

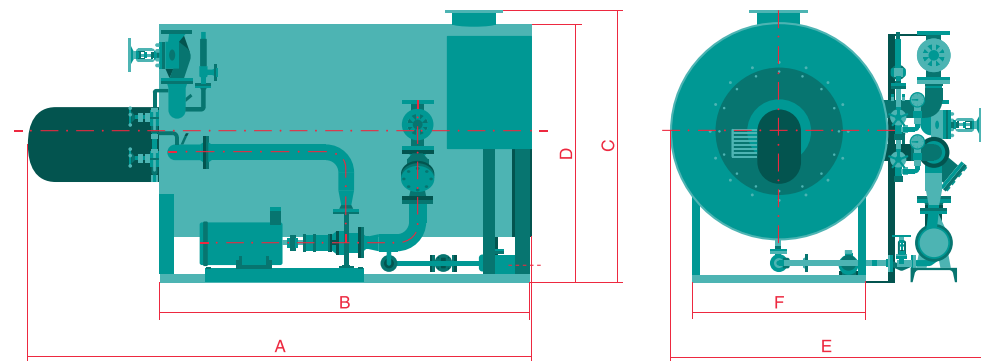
Model	A	B	C	D	A'	C'
<b>GFT-010</b>	1500	1525	1585	954		
<b>GFT-020</b>	1680	1580	1750	1100		
<b>GFT-030</b>	1821	1855	2000	1294		
<b>GFT-040</b>	2200	1855	2000	1292		
<b>GFT-060</b>	2625	2000	2350	1522	3720	3220
<b>GFT-090</b>	3170	2075	2525	1730	4275	3390
<b>GFT-130</b>	3180	2400	2780	1997	4280	3645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

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

Vertical



Horizontal



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

## Múltiple arrangements

