



Fulton Boiler Works (GB) Ltd.

**FT-HC
THERMAL FLUID HEATER
0.7 MW - 5.9 MW**



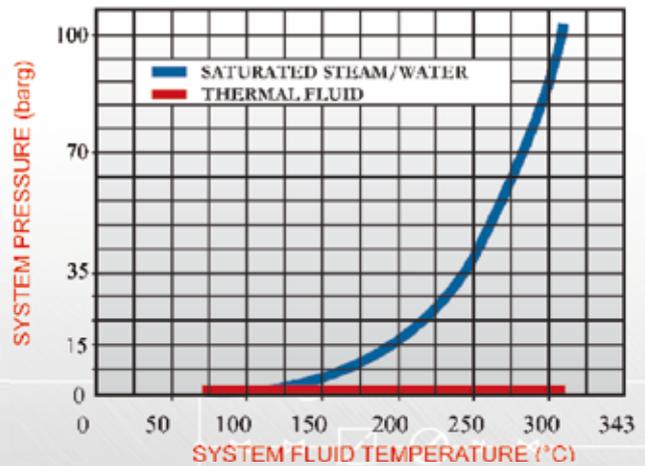
FT-HC



- ▶ 8 Models: 0.7 MW - 5.9 MW
- ▶ Operating Temperatures to 345°C
- ▶ Compact Horizontal 3-Pass Design
- ▶ Choice of Burners

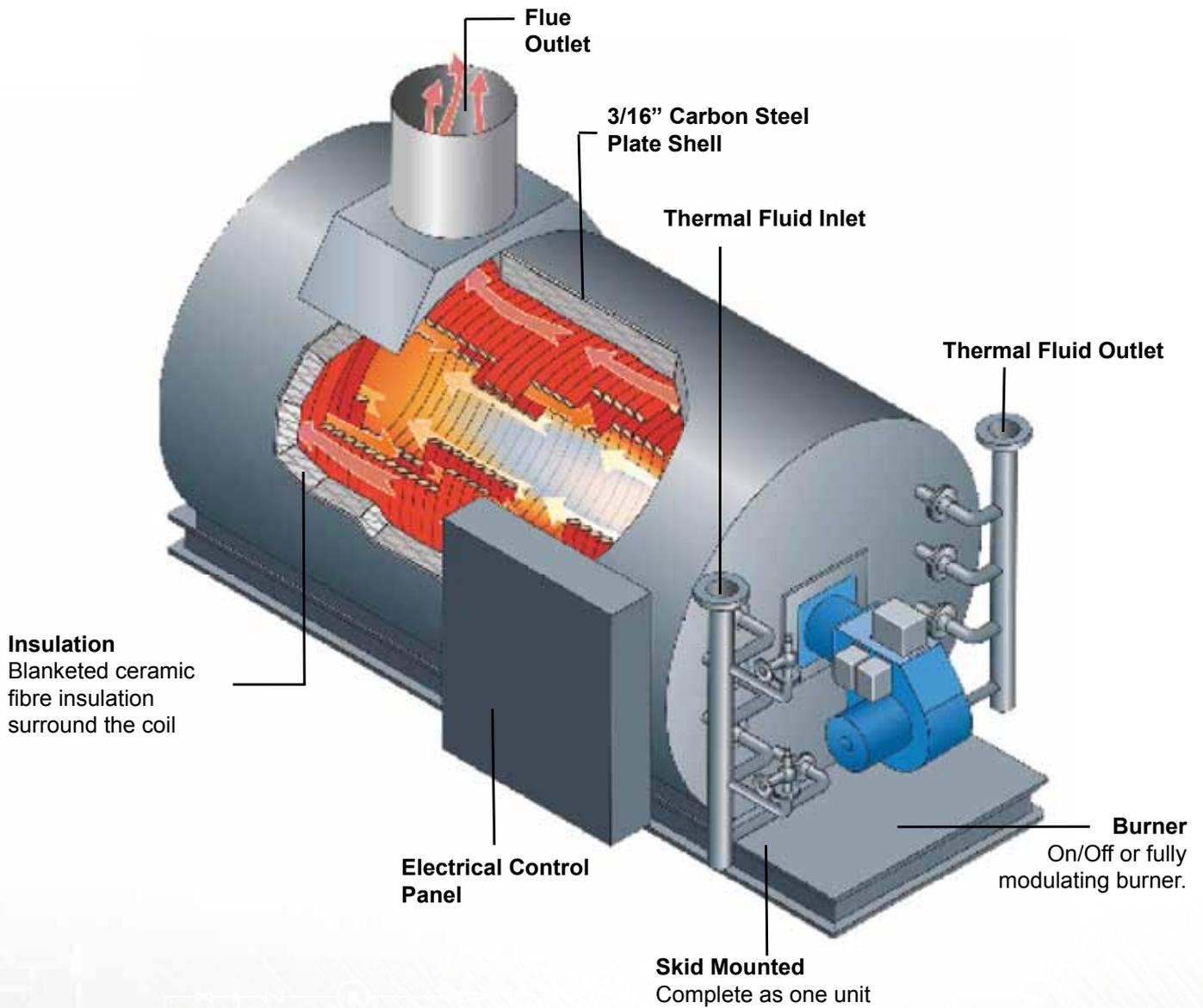
- Gas, Oil or Dual Fuel
- Low Emission Gas
- Fully Modulating

- ▶ Customised Controls Available
- ▶ Low Maintenance
- ▶ Supplied as a Skid-Mounted Unit



A thermal fluid (hot oil) system operates in a closed loop circulation system with minimal pressure. Fulton thermal fluid systems can reach 345 °C, making them an ideal choice for process heat applications.

The choice between a steam system or a thermal fluid system is governed by the process requirements. The range or process temperature is a deciding factor. If the system's required temperature is above the freezing point of water (0 °C) and below approximately 177 °C, the choice is usually steam. However, if the required temperature is below 0 °C or above 177 °C, thermal fluid may be a better solution. Using thermal fluid, it is possible to heat and cool a process using the same medium and channels.



- ▶ **1st Pass** - The burner fires down the centre of the vessel.
- ▶ **2nd Pass** - The hot gases turn at the end of the vessel and return between the coils to the front end plate.
- ▶ **3rd Pass** - The hot gases return down the outside of the coils to the back of the heater and exit out of the flue.

FT-L Expansion Dearation/Thermal Buffer Tank

The FT-L dearator expansion tank is designed to work as an open system where applicable. This eliminates the expense of an inert gas blanket. It provides continuous dearation of steam and other non-condensibles. It protects thermal fluid from oxidation, as well as allowing easy installation and simple pipework.



■ Hot Fluid
■ Medium Fluid
■ Cool Fluid
■ Gases (Steam)

Site and System Requirements

The boiler must be positioned on a load bearing level floor in a well ventilated and dry location. Access must be left around the boiler for service and maintenance purposes. The flue must conform to the Clean Air Act with notification to the Local Authority.

After Sales Support

In the UK, Fulton engineers provide a nationwide commissioning and after sales service. We strongly recommend that every heater is commissioned by a Fulton engineer to ensure that the heater, burner and ancillary equipment are setup to give optimum efficiency and reliability. The commissioning engineer will also instruct the on-site operators in the operation and maintenance of the heater.

Fulton After Sales can provide annual service contracts covering all aspects of after sales service and inspection.

For boilers sold overseas, Fulton are represented by Approved Distributors who provide the important after sales service. UK based engineers are available to travel worldwide for service support.

For Dimensions and Further Technical Specifications, refer to:

T.I. Sheet 125 FT-HC Dimensions & Specification


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