

In Line Thermal Fluid Pre-Heater Oil Series



DESCRIPTION

The *Hy-Way* In-line, Thermal Fluid Pre-heater is designed for heating nos. 4, 5 and 6 fuels or reclaimed oils to maintain the viscosity required for proper atomization.

The In-line Pre-Heater can be used as a booster for hot oil heating systems, as well as many other process heating applications.

Hy-Way pre-heaters consist of an insulated heater exchanger mounted on a stand and covered with 0.032 inch embossed aluminum.

Our standard heaters are available in sizes from 150,000 to 800,000 Btu/hr. transfer.

APPLICATION

Fuel oils, with the exception of No. 2, normally must be heated above ambient temperatures in order to atomize properly. Most burners in

the industrial market are designed to deliver and atomize heavy fuels with a viscosity of 100 SSU. Temperatures may vary between 100°F and 250°F. These temperatures should be reached only when the fuel is under pressure and flowing to prevent vaporizing, cavitation and potential overheating.

STANDARD FEATURES

- All steel rugged construction
- Two stage temperature controller with solenoid valves
- Counterflow design for maximum heat transfer
- Discharge Manifold
- Remote mounting of temperature controls
- Insulation
- Safety interlocks
- Removable end for cleaning

OPTIONS

- Fuel pump and motor base mounted with flexible connectors
- Fused pump motor starter located on control panel
- Back pressure regulating valve
- Dial thermometer with dry wells
- Pressure gauges and needle valves
- P.I.D. Digital Temperature Controller
- Modulating valve for accurate temperature control

Hy-Way's In-line Thermal Fluid Pre-Heater achieves excellent results and maintains optimum fuel efficiency.

In-Line Thermal Fluid Pre-Heater

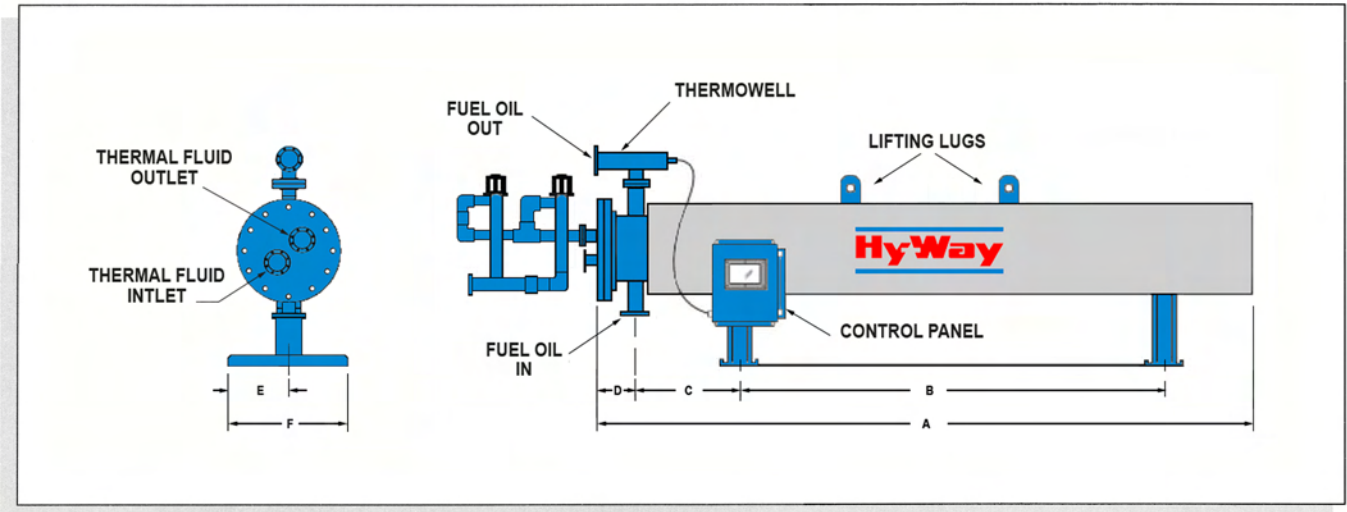
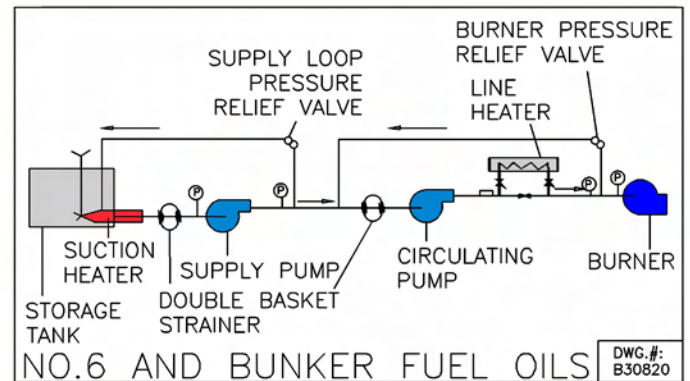
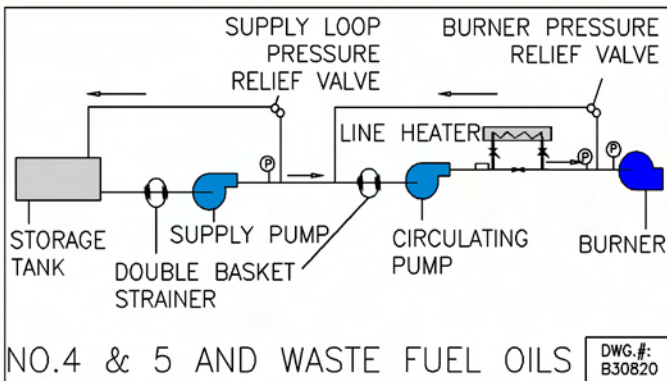


TABLE OF DIMENSIONS						
MODEL	A	B	C	D	E	F
0092-2FT-15	16'-9"	13'-3"	12"	7"	18"	36"
00136-2FT-21	22'-6"	18'-6"	12"	7"	18"	36"
00184-4FT-15	16'-9"	13'-3"	12"	7"	18"	36"
00272-4FT-21	22'-6"	18'-6"	12"	7"	18"	36"
00408-6FT-21	22'-6"	15'-0"	12"	7"	18"	36"

Dual Loop Piping Schematic for Pumping and Heating Heavy Oils



Specifications subject to change without notice.
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