

# HEATEC TEC-NOTE

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## HFP SERIES HEAVY FUEL PREHEATERS Technical Data

Normal heat capacity (operating):	200,000 Btu/hour
Max. heat capacity (operating):	450,000 Btu/hour
Heat transfer media:	Thermal fluid
Liquid fill:	Coil—5 gallons of thermal fluid Shell—54 gallons of fuel
Heating surface:	262 sq. ft.
Thermal fluid pressure drop:	3.3 PSI
Estimated weight:	1,400 lbs (dry) 1,950 lbs (in operation)
Shell design:	260 PSI @ 200 degrees F
Tube bundle design:	260 PSI @ 500 degrees F
Flow rate:	90 gpm
Thermal fluid temperature at inlet:	380 degrees F (operating)
Thermal fluid temperature at outlet:	370 degrees F (operating)
Preheater control:	Modulating, 4–20 mA.
Power supply:	Stand-alone—120V/1ph/60Hz Skid-mounted—480V/3ph/60Hz (HFP-E electrically heated models also require 480v/3ph/60Hz)

### **Connections**

Fuel inlet:	1-1/2 inch NPT coupling
Fuel outlet:	1-1/2 inch NPT coupling
Fuel drain:	3/4 inch NPT
Thermal fluid inlet	1-1/2 inch flange, 150 PSI
Thermal fluid outlet:	1-1/2 inch flange, 150 PSI
Thermal fluid drain:	1/2 inch NPT
Relief valve:	3/4 inch NPT