

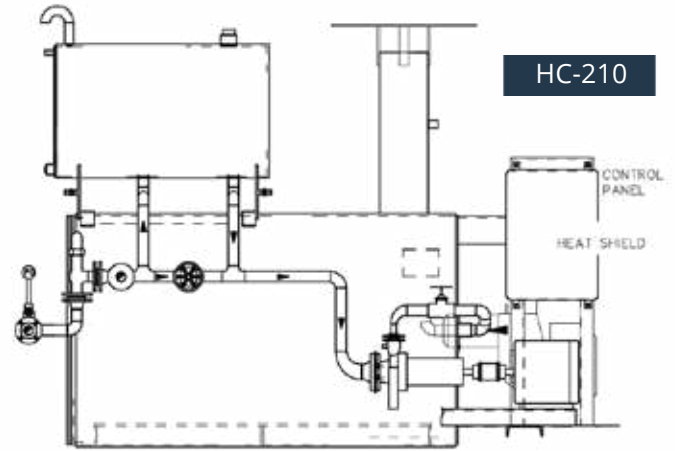
LONG-LASTING EFFICIENCY

Recognized as an industry leader, Purple Heat Exchangers thermal fluid heaters are engineered to deliver outstanding performance and efficiency. Our systems heat fluid in a closed loop, ensuring optimal heat transfer to your target material or product. Designed for minimal maintenance, they are an ideal addition to enhance your production process.



SIMPLE, COMPLETE SYSTEM

The Purple Heat Exchangers helical coil skid is a fully integrated system, complete with a burner, recirculating pump, control panel, safety alarms, burner shell, range fly, and exhaust stack. Low NOx burners are also available for applications that require them. With just a few wiring connections and gas supply hookups, it's ready to go into production.



COMPACT DESIGNS

Helical coil thermal fluid heaters are designed around a helically wound coil, a common approach in fired industrial heaters. For customers needing a smaller footprint and lower heat load, our helical coil systems offer a cost-effective option, delivering 85-90% of the efficiency of our serpentine coil technology. These heaters are highly versatile, providing exceptional performance across various applications. While primarily designed for heating thermal oil, they can also directly heat fluids such as oil, water, and blended fuels. With built-in controls for safe operation, plant managers will appreciate the quality craftsmanship and thoughtful design of every Purple Heat Exchangers product.



HELICAL COIL SYSTEMS

Our helical coil heaters are available in two standard configurations: the smaller HC-130 model, rated at 1.3 MM Btu/hr input, and the larger HC-210 model, rated at 2.1 MM Btu/hr input. Both models operate at 76% efficiency, typical for helical coil heaters, and come equipped with the following design and safety features.

Helical Coil:

- Seamless pipe
- Stainless steel supports
- Fully hydrotested
- Partial X-ray of welds
- Tube seals at terminal connections
- ASME code stamp – section VIII, Div I
- National board registered
- Removable for easy maintenance

High-Efficiency Burner:

- Low-high-off or modulating
- Automatic controls
- Forced draft fan
- Flame failure audible alarm
- Wired and test-fired at factory
- Natural gas, No. 2 oil or propane

Electrical & Control Panel:

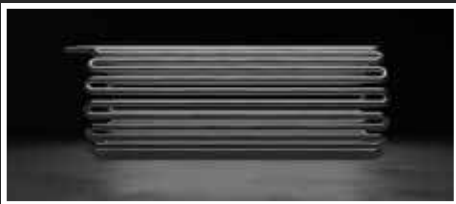
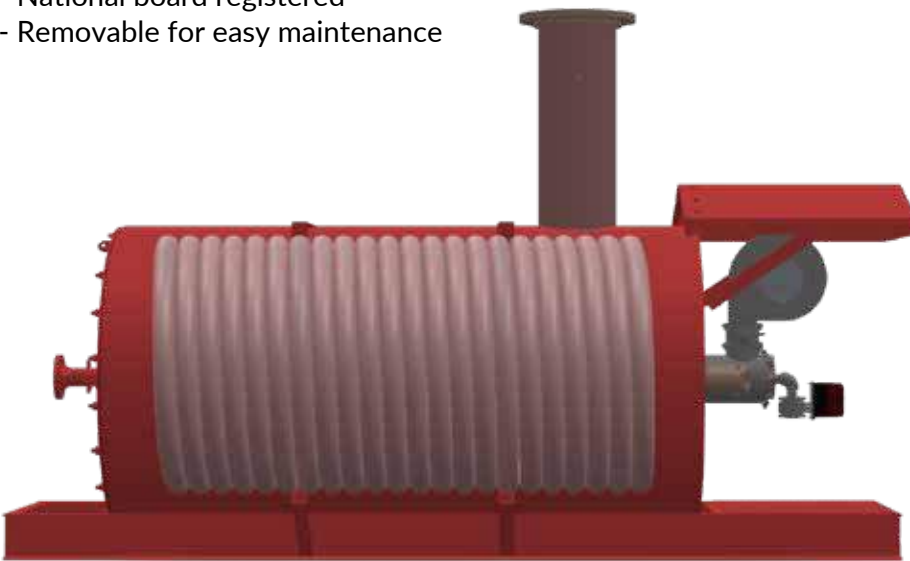
- Customized electrical options
- Control panel – NEMA 4
- Indicating lights

Safety Controls & Alarms:

- High water temperature
- High stack temperature
- Low flow switch
- Flame safeguard
- Fan motor starter

General & Added Features:

- ¼" carbon steel shell
- Ceramic fiber internal insulation
- Skid-mounted
- Flanged inlets and outlets
- Lifting lugs
- Temperature controller
- Painted with a high temperature, waterproof paint
- Expansion tank and recirculation pump included



SERPENTINE COIL TECHNOLOGY

For those looking for higher outputs from 2 MM Btu/hr. to 40 MM Btu/hr., our high-efficiency serpentine thermal fluid heaters may be for you. Ask about it today or learn more at www.PurpleHeatExchangers.com.

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