

# HELICAL COIL THERMAL FLUID HEATERS

## LONG-LASTING EFFICIENCY

Acknowledged as an industry leader, Enerquip's thermal fluid and hot water heaters are built to meet rigorous performance and efficiency standards.

Our designs require minimal maintenance, making them an ideal tool in your production process.

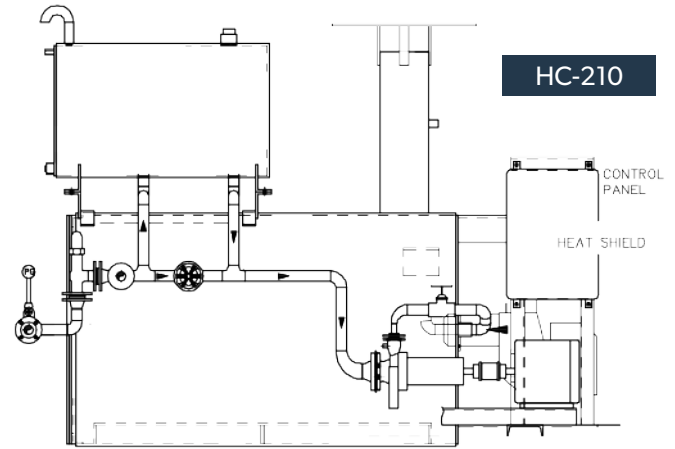


## SIMPLE, COMPLETE SYSTEM

The Enerquip helical coil skid is a complete system, which includes a high-efficiency burner, recirculating pump, control panel, safety alarms, burner shell, range fly, and exhaust stack. Low NOx burners are also available for required applications.

With some simple wiring and attachment of the gas supply, it's ready for production.

Made right here in the USA, our ASME code stamped systems are fabricated by our team of ASME code welders. Our high-quality heaters are made to run for 20-30 years, and even longer.



## COMPACT DESIGNS

Helical coil thermal fluid heaters are built around a helically wound coil - a common approach in fired industrial heaters. For customers with a smaller footprint and a lower heat load, our helical coil systems offer a lower cost option with 85-90% the efficiency of our serpentine coil technology.

Helical coil heaters are extremely versatile and provide peak performance in a variety of applications. While they're primarily designed to heat thermal oil, they can be used to directly heat fluids such as oil, asphalt, water, and blended fuels.

Engineered with controls in place for safe operation, plant managers will appreciate the quality design and craftsmanship of an Enerquip product.



# HELICAL COIL SYSTEMS

Our helical coil heaters come in two standard configurations. Our smaller HC-130 model is rated at 1.3 MM Btu/hr. input and our larger HC-210 model is rated at 2.1 MM Btu/hr. input. Typical for helical coil heaters, both operate at 76% efficiency. Each model offers 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

## Electrical & Control Panel:

- Standard voltage 460/60/3 or 110/60/1
- Control panel – NEMA 4
- Indicating lights

## Safety Controls & Alarms:

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

## 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

## 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 included



# SERPENTINE COIL TECHNOLOGY

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

**Want more? Enerquip also designs and builds waste heat economizers, steam generators, and more. Learn for yourself why Enerquip's quality and service is unmatched in the industry. Call us, today!**

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