

HEXWRAP®

Heat Exchanger Insulation

A **superior** choice
for all your Plate & Frame
Heat Exchanger Insulation
Requirements



What is HexWrap®?

HexWrap® is a unique, flexible insulation blanket specifically designed for Plate & Frame Heat Exchangers. It consists of a flexible, pre-fit outer jacket bonded to either open-cell or closed-cell foam insulation. HexWrap® is easily installed and is adjustable if you expand your heat exchanger. Service temperature ranges from -70°F to +350°F and intermittent up to 400°F. HexWrap® also has low smoke and flame ratings, designed to be

simple to install and maintain. Some minor trimming or cutting may be required but that is easily accomplished with only a knife and scissors. The 30 mil reinforced PVC outer jacket exhibits excellent moisture, water, and UV resistance. The jacket has been used for years as outdoor insulation covering in factories all over the world and will provide years of service.

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Insulation

Advantages

Energy Conservation

Assume that a heat exchanger with an exposed surface area of 40 sq. ft. and an operating temperature of 200F will have an approximate heat loss of 12,000 BTU/hr. With 1" HexWrap a savings of approximately 10,400 BTU/hr will be realized. Based on a 24/7 operation, this is an annual savings of approximately 91,000,000 BTU's.

Cost

While this will vary widely around the country, we have found in most cases that HexWrap® customer cost is about 70% to 80% that of a metal box.

Unit Visibility

Allows visual inspection for external leakage at all times.

Safety – Surface temperature of the plate and frame heat exchanger.

Space – No additional area is required to insulate.

Accessibility – Plate pack is easily accessible.

Ease of use – No previous insulation experience required.

Installation Time* – Most units, approximately 60 min.

Condensation – Eliminates surface condensation on the frames and shrouds. Drip pan may still be required for possible condensation on plate pack.

Specifications

HexWrap® Insulation Packages are available in two different versions based on the actual operating temperatures.

Below Ambient Temperature

The “C” series insulation is used where dew points and heat exchanger surface temperatures could create a condensation problem on the surface of the heat exchanger.

Above Ambient Temperatures

The “H” series insulation is used where personnel protection and energy conservation are of greatest concern. It should not be used where surface condensation may be a concern.

- Velcro closure system allows for easy access for maintenance and inspection.
- Insulating the heat exchanger will greatly reduce the condensation; however, since it is impractical to provide a 100% vapor barrier, some condensation from the bottom of the plate pack will occur if the surface temperatures of the heat exchanger are below the dew point.
- The thickness of the foam is determined by the maximum operating temperature of the heat exchanger.

Type	Temperature Range	Cover Thickness	Product Thickness	Standards	Available Colors
C	-70°F to 160°F	30 Mil PVC	1 Inch Closed-cell Foam	ASTM G21/G22 ASTM E 84 25/50	White, Gray, Black, and Blue
H	70°F to 350°F	30 Mil PVC	1 to 3 Inch Open-cell Foam	ASTM G21/G22 ASTM E 84 25/50	White, Gray, Black, and Blue

** Requires the use of the available factory metal shroud to support the insulation.*

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I n s u l a t i o n

2122 W 5th Place, Tempe, AZ 85281 Phone: 480.967.8888 800.922.5252 Fax: 480.894.6255 Website: www.techlite.net