HT THERMIC OIL
TECHNICAL DATA

Product Descriptions and Features

Kresco's High-Temperature Thermic Oil fluids are thermally stable mineral-oil type transfer fluid, ready to use in open or closed heating systems.

Kresco's High-Temperature Thermic Oil are non-toxic fluids, non-corrosive and low odor. These fluids show excellent compatibility with elastomers, they quickly absorb heat and carry materials or liquid to be heated. Their excellent thermal and oxidation stabilities provide a long service life and keep heat exchangers cleans.

The heat is used in many ways in the preparation of materials. There are several ways to transfer heat to a material or liquid to be heated. Kresco's High-Temperature Thermic Oil are excellent for these kind of transfer and have several advantages. They are also used at low pressure. In most applications, the equipment needed is relatively inexpensive. They can also be mobile and can be used where they are needed.

Advantages

- → High efficiency and heat stability
- → Good protection against rust and corrosion
- → Excellent performance in extreme temperatures
- → Easy to pump and circulation

FORMATS	STANDARD	HIGH-TEMPERATURE
1 Gal / 3.8 L	OIL-0004	OIL-0004-HT
2.63 Gal / 10 L	OIL-0010	OIL-0010-HT
5.2 Gal / 20 L	OIL-0020	OIL-0020-HT
55 Gal / 205 L	OIL-0205	OIL-0205-HT

Recommendation and Application

Kresco High-Temperature Thermic Oil are recommended for heat transfer systems in which the oil, gas or electricity is used to heat a liquid and then transfers the heat to the point of application.

In closed systems equipped with an expansion tank, Kresco High-Temperature Thermic Oil are suitable for applications requiring good thermal stability and good pumpability when the maximum temperature of bulk fluid does not exceed 316 ° C (650 ° F).

In closed or open systems, Kresco High-Temperature Thermic Oil are appropriate when the maximum temperature of bulk fluid does not exceed 288 ° C (550 ° F) and the membrane 316 ° C (600 ° F). The temperature at the surface of the fluid in contact with the air in open systems can not exceed 107 ° C (225 ° F).

Copper and its alloys must not to be used in heat transfer systems with a hydrocarbon liquid, unless air (oxygen) is not in contact with the liquid by means of a seal and / or a coat ``inert gas.

SPECIFICATIONS	HT OIL
Density : (kg/m3 @ 15 °C)	882
Viscosity cSt @ 40 °C	45,9
@ 100 °C	6,65
Viscosity Index	95
Flash point, °C	220
Fire Point, °C	246
Pour point, °C	-15

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