

## Heat Jacket & Dual Kan®

### Heat Jacket

Heat jackets are available for the H, 3 and Max-Series pumps, for both mag-drive and sealed configurations with threaded (NPT/BSPT) or flanged (ANSI/DIN) ports. The jacket is a bolt-on aluminum jacket that surrounds the outside of the pump, as shown below. It is cast for H&3-Series pumps and billet for Max-Series pumps. It is sometimes supplied with a braided stainless steel hose. See the chart below for more information.

### Use

As the name implies, the heat jacket is most often used for heating, but it has also been applied for cooling applications as well. Hot fluid (water, oil, steam) or cold fluid can be circulated through the jacket.

### Installation

To install, bolt the heat jacket around the pump. Connect each half of the jacket with a hose, as shown in the picture below. Connect the heat jacket to the heating fluid. The fluid flow through the jacket can be in either direction.

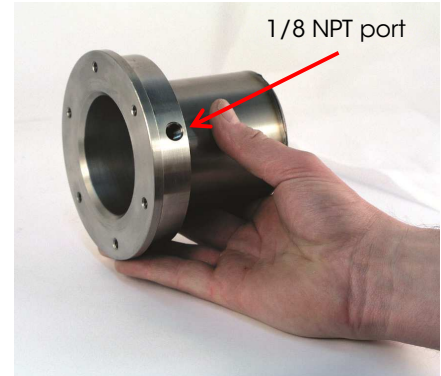
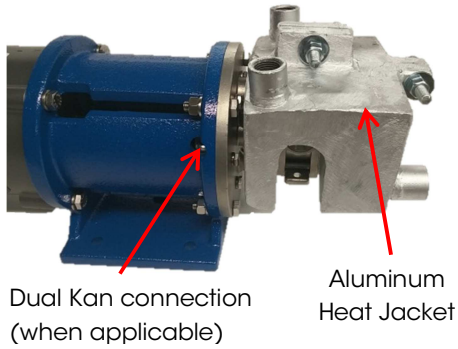
It is suggested to apply a ¼ inch layer of heat transfer compound between the jacket and pump to facilitate better heating. Crumpled up aluminum foil is also an excellent way to fill the gaps without using messy heat transfer paste.

### Heat Jacket Specifications

Part Number	Fits Pump Models	Jacket Port Size (NPT)	Hose <sup>1</sup> Supplied	Weight (lbs.)	Max Jacket Pressure (PSI)	Max Temp (°F)
33-HJ	H1, H3 & 31, 33	3/8 <sup>2</sup>	Yes	6	150	500
35-HJ	H5 & 35	3/8 <sup>2</sup>	Yes	7	150	500
37-HJ	H7 & 37	3/8 <sup>2</sup>	Yes	9	150	500
39-HJ	H9 & 39	3/4 <sup>2</sup>	Yes	11	150	500
312-HJ	H12 & 312	3/4 <sup>2</sup>	No	25	150	500
314-HJ	H14 & 314	3/4 <sup>2</sup>	No	30	150	500
MAX3-HJ	M0, M1, M2 & M3	3/8 <sup>3</sup>	No	12	150	500
MAX4-HJ	M4	3/8 <sup>3</sup>	No	14	150	500
MAX5-HJ	M5	3/8 <sup>3</sup>	No	16	150	500
MAX6-HJ	M6	3/8 <sup>3</sup>	No	18	150	500
MAX7-HJ	M7	3/8 <sup>3</sup>	No	19	150	500
MAX8-HJ	M8	3/8 <sup>3</sup>	No	20	150	500

1. Hose material is 321 stainless steel with 304 stainless braided covering.
2. Female NPT
3. Male NPT





## Dual Kan®

The Dual Kan is available for the H-Series and 3-Series pumps. It is a double-walled containment can used to precisely control the temperature of a mag-drive pump. The jacketed containment can may be used for both heating and cooling. For example: to prevent a fluid, such as molten sulfur, from solidifying if the temperature becomes too low, or from polymerizing if the temperature becomes too high.

### Installation

The Dual Kan comes installed to the pump. To use, connect the two **1/8 NPT ports** to a source of hot or cold fluid (water, oil or steam). Flow through the Dual Kan can be in either direction. Pressure of the jacket fluid should not exceed 50 PSI. Maximum temperature is 500 °F. The ports on each side are oriented 17° from the horizontal center line for H1 through H9 (and 31-39) pump sizes and on the horizontal center line for H12 and H14 (and 312 and 314) sizes, as shown below.

