L.J. STAR INCORPORATED

News

For Immediate Release

P.O. Box 1116
Twinsburg, OH 44087
Phone: 330-405-3040
view@ljstar.com

STAR-0160 Contact: Suzanne

Bolt-On Heating Jackets Enclose Visual Flow Indicators

A new heating jacket element from L.J. Star allows direct observation of high-temperature or temperature-sensitive process fluids without creating a cold spot on temperature-controlled process piping. The new jacket fits directly on and around a standard L.J. Star view-thru visual flow indicator, exposing only the small area of the indicator's viewing port to ambient temperature.

These jackets are composed of "clamshell" halves consisting of a carbon or stainless steel pressure chamber within an aluminum casting. The jackets are precisely molded to maintain contact with the specific visual flow indicator in use. They bolt securely into place, completely covering the visual flow indicator. Tested in accordance with the ASME Boiler and Pressure Vessel Code, Sec. VIII, Div. 1 standards, the jackets are capable of maintaining operating temperatures up to 750°F. Heating media ranges from hot water, to steam, to hot oil liquid and vapors.

In operation at startup, steam or heating fluid at a specified temperature enters the jacket from the pipeline heat supply, preheating the walls of the visual flow indicator. Thermal contact is maintained by heat transfer cement that is placed between the jacket and the visual flow indicator. Then, when the pipeline, including the flow indicator, reaches the desired temperature, process fluid can be safely introduced and visually monitored as necessary.

The visual flow indicators are available in flanged or threaded versions in 316 stainless steel or carbon steel as standard, with Monel®, Hastelloy® or Alloy 20 as options. Windows are tempered borosilicate glass, with Metaglas® fused sight glasses as an option for more demanding applications. Pipe sizes range from ½-inch to 8 inches in either 150 psi or 300 psi versions. For handling particularly corrosive process fluid, a Teflon® lined version is also available.

To download high-resolution image, control-click www.ljstar.com/images/jacket.jpg.

To obtain additional information, contact L.J. Star Incorporated, P.O. Box 1116, Twinsburg, OH 44087. Phone: 330-405-3040. Fax: 330-405-3070. Email: view@ljstar.com. Or visit website: www.ljstar.com