

CONTROHEAT® ELECTRIC JACKETS

ENGINEERED THERMAL SOLUTIONS

Since its introduction in 1973, CSI's **CONTROHEAT®** jacket has been the preferred solution for heating valves, pumps, meters, and many other process components. Virtually any piping system component can be heated effectively with a **CONTROHEAT®** bolt-on jacket. Heating applications range from 200°F - 750°F, and utilize steam, hot oil, hot water, or electric heating media. Like **CONTROHEAT®** jackets that use fluid heating media, electrically heated **CONTROHEAT®** jackets ensure uniform heat transfer to process components. In addition, **CONTROHEAT®** jackets quickly attain melt-out temperatures where process solidification has occurred.

FEATURES

- Each **CONTROHEAT®** jacket is cast from aluminum (ASTM B179 Grade A 356.2) to fit precisely on the specified process component and maximize heat transfer.
- CSI maintains a library of **CONTROHEAT®** patterns for over 10,000 process components, and new patterns can be made for virtually any component.
- **CONTROHEAT®** jackets eliminate the possibility of cross-contamination, while delivering full flange-to-flange heating.
- **CONTROHEAT®** ELECTRIC JACKETS offer three electric heating element options:
 - Cal-Rod
 - Cartridge (Fig. 1)
 - UL-approved, explosion-proof housing (Fig. 2)
- **CONTROHEAT®** ELECTRIC JACKETS are UL-approved in the United States and Canada.

BENEFITS

- **CONTROHEAT®** jackets utilize conductive heating to deliver significantly greater heat transfer than conventional alternatives, which depend on convective heating.
- Testing shows that multiple wraps of convective electric tracing, such as MI Cable, cannot match the conductive benefits of the **ControHeat®** jacket.
- For applications such as heavy residuum, where high temperature maintenance and heat-up rate are critical to plant performance, conventional electric tracing with typical plant insulation fails to deliver effective heat transfer.
- As indicated in Fig. 3, conventional electric tracing is not only incapable of maintaining the required process temperature, but also incapable of heating up the process after a loss of utilities.
- For critical applications, you can rely on CSI's **CONTROHEAT®** jacket.

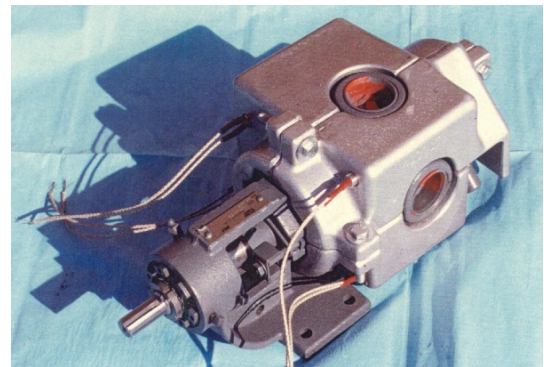


Fig. 1: **CONTROHEAT®** with cartridge heating element



Fig. 2: **CONTROHEAT®** with UL-approved heating element

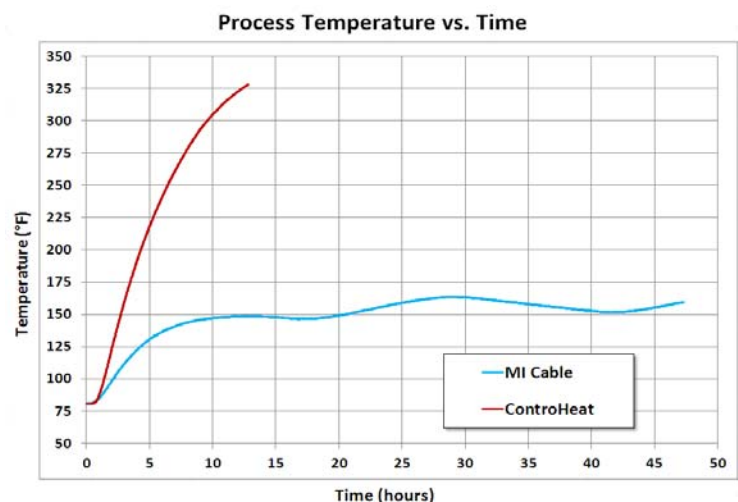


Fig. 3: Critical Performance Comparison: MI Cable vs. **CONTROHEAT®**