

# INTRODUCING OPW'S INSULATION AND HEATING SOLUTIONS



## Insulation and Heating Packages by "The Loading Arm Experts"

OPW can provide a Custom Insulation Package designed specifically for your loading arm, with superior heat retention, safety and the range of motion that the arm was designed to offer. Unlike field-applied insulation, these packages are completely removable and reusable, making them the ideal solution for loading arms.

- **ENGINEERED FIT** – Provides **FULL** and **CORRECT RANGE OF MOTION**
- **REMOVABLE & REUSABLE** – Quick and easy access for maintenance
- **SAFER** – Heated arms can pose a potential burn hazard for operators. OPW Custom Insulation Packages ensure that the loading arm is properly insulated to protect personnel
- **SUPERIOR HEAT RETENTION** – 2" insulation
- **DURABLE** – Teflon®-impregnated outer jacket

### CONSTRUCTION DETAILS:

- **INNER JACKETING** – 17 oz./sq. yd Teflon®-impregnated fiberglass cloth
- **OUTER JACKETING** – 17 oz./sq. yd Teflon®-impregnated fiberglass cloth
- **INSULATION** – 2" THK, low-density fiberglass
- **THREAD** – Teflon®-coated fiberglass thread
- **ATTACHMENTS** – Teflon® cloth belts with stainless-steel double-D rings; and drawstring flaps with Nomex Cord
- **I.D. TAGS** – Stainless-steel embossed



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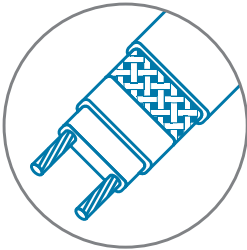
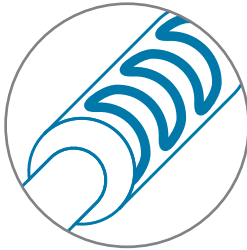

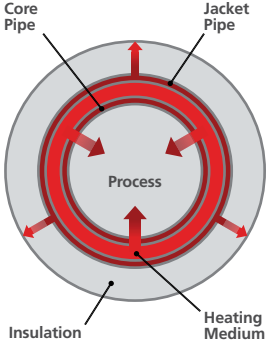
ENGINEERING | WHAT'S NEXT

# Custom Insulation Loading-Arm Packages



The OPW Custom Insulation Packages are custom made for each arm. All insulation material is delivered to the jobsite ready for field assembly. It is recommended that the insulation be installed after the arms are set in place to avoid damage during rigging/installation. The Custom Insulation Package comes with a detailed drawing that provides easy to follow step-by-step instructions. The installation can be easily removed if loading-arm maintenance is required.

## Heating Options

	Freeze Protection	Temperature Maintenance
Electric	 <ul style="list-style-type: none"> <li>• Freeze protection keeps the equipment warm during downtimes</li> <li>• Prevents any residual product from freezing</li> <li>• Self-regulating cable keeps the product 50°F above freezing.</li> <li>• Heat is generated as electric current passes through</li> <li>• ATEX, IECEx, FM, and UL approvals</li> </ul>	 <ul style="list-style-type: none"> <li>• Temperature maintenance keeps the heat steady</li> <li>• Prevents product from solidifying and clogging in the pipeline</li> <li>• A thermostat is installed along with heat tracing to maintain a specific temperature</li> <li>• ATEX, IECEx, FM, and UL approvals</li> </ul>
Steam/Oil	 <ul style="list-style-type: none"> <li>• 2" x 1" boiler tube contoured to pipe size and straps onto pipe</li> <li>• Conductive steam-generated heat-transfer path through wall into loading process for temperatures up to 350°F</li> </ul>	 <ul style="list-style-type: none"> <li>• Fully envelopes core pipe with outer pipe</li> <li>• Conductive steam-generated heat-transfer path through wall into loading process for temperatures above 300°F</li> </ul>

OPW can assist you with selecting the heating system to meet the needs of your application.

To learn more, visit [www.opw-es.com](http://www.opw-es.com).