



## **Installation Procedures**

The ease of installation of QMax FHJ (Fluid Heating Jacket) is one of its many benefits. As with any system, if not properly installed, it may not function as intended. Therefore, it is important to review and follow these procedures and inspect the system to ensure a successful application.

### **Required Equipment:**

- QMax Industries, Inc. approved Heat Transfer Compound (normally supplied with system)
- Heat transfer compound applicator (basic trowel)
- Standard socket and wrench set
- Fastener supplies (bolts, flat washers, lock washers, spacers, nuts) (supplied with the jacket)

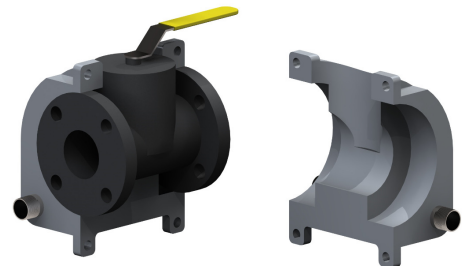


### **Step 1 - Preparation:**

- 1) Install the valve or fitting in the piping system as intended.
- 2) Loosely install the jacket onto the valve or fitting to verify the jacket fits properly. If there is any interference that prevents the jacket from fitting properly, please contact QMax Industries, Inc.

### **Step 2 - Applying Heat Transfer Compound:**

- 3) Apply heat transfer compound inside the jacket with a liberal coat using a trowel. The heat transfer compound should make up any volume that would normally be air. More heat transfer compound should be used around the bolt pattern to make up this large area gap.
  - a. QHTC-750 will dry if left exposed to air in approximately one hour.
  - b. Do not apply the heat transfer compound if the jacket will not be installed within one hour.
  - c. Cover the open bucket when not in use.



### **Step 3 - Installing QMax FHJ:**

- 4) Install the jacket over the valve or fitting and secure it with the hardware provided.
  - a. Heat transfer compound should ooze out the seams of the jacket. Do NOT over-tighten the bolts if there is a flange bolt gap. Instead, use washers to shim until the gap is filled.
  - b. Extra heat transfer compound should be cleaned away and disposed of properly.
  - c. QHTC-750 should be left to cure after installation for 24 hours. This can be expedited with another procedure. If needed, please contact QMax Industries, Inc.
  - d. Once installation is complete, proper insulation should be applied over the jacket to protect personnel, conserve energy and ensure a successful application. Tubing connections should always extend outside the insulation.

### **Detail Notes:**

- 1) QMax installation instructions and detailed drawings should not replace plant standards without plant consent.
- 2) Details above are offered as general guidelines and should not be used to defy logic.