I-**1**-A



John Crane Simple Shaft Seal Installation and Troubleshooting for Types 1, 2 and 21

### INSTALLATION



#### Step 2:



## **INSTALLATION** (continued)

**Step 3:** Look at pump installation drawing. Locate installation reference dimension (the dimension from the face of the stuffing box to the rear of the seal).







IT: Oil is injurious to some rubbers such as ethylene p Use only anti-freeze or soapy water to lubricate.



#### TROUBLESHOOTING

Step 2:

#### Step 1: Seal Wears Out Shaft





# Seal is Burned Up Reason: Not enough liquid flow to seal. Check flush line to be sure it is clear. Check location or flush port. It should be as close to seal face as possible. Did the pump cavitate or run dry?

### **TROUBLESHOOTING** (continued)

STEP 3: Seal is Worn Out

**Reason:** Abrasives are in the seal cavity. The pumped liquid may be carrying dirt, rust or suspended abrasive particles.

If so, install an abrasives separator in the flush line.

A filter will also work.

If the liquid carries dissolved solids, contact your local John Crane Representative.





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