



A GUIDE TO PUMP PACKING INSTALLATION

Required Tools

Specific tools are required for removal of the old packing and installation of the new packing, as well as tensioning of the fasteners. In addition, always use standard safety equipment and follow good safety practices. Acquire the following equipment prior to installation:

- Packing extractor
- Flashlight
- Mirror
- Inside & outside callipers
- Safety equipment
- Calibrated torque wrench
- Lubricant for fasteners
- Tamping tool
- Vernier dial gauge
- Other plant-specific



Clean and examine

Remove all old packing and thoroughly clean shaft/stem and stuffing box area following plant specific procedures.

Examine shaft/stem for corrosion, nicks, scoring or excessive wear.

Examine other components for burrs, cracks, or wear that could reduce packing life.

Check stuffing box for excessive clearances and shaft/stem for eccentricity.

Replace any components found defective. If in doubt, seek advice.

Inspect old packing as part of failure analysis for clues to cause of premature packing failure.



Install packing

Lubricate the shaft/stem using **Robco Silicone Break-In Lubricant** Part # LUBSIL1LB (16oz Container)

Carefully install one ring of packing at a time, alternating gasket and packing ring. (in the same order they were packaged)

Twist each ring over shaft/stem.

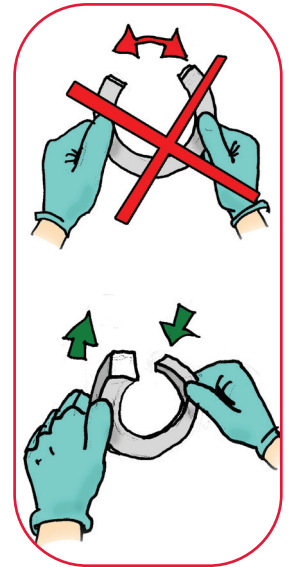
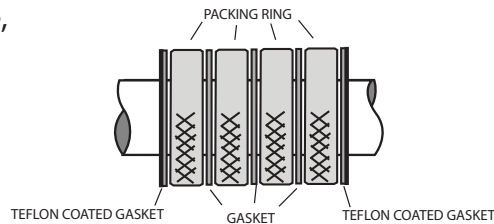
Ensure each ring is seated fully in stuffing box prior to installing next ring.

Stagger joints or subsequent rings a minimum of 90 degrees.

After last ring is installed draw gland up evenly until nuts are finger-tight plus one key turn.

Make sure shaft/stem turns freely.

If stuffing box has a lantern ring, make sure that the lantern ring is installed properly so it will remain under the inlet as gland pressure is applied.



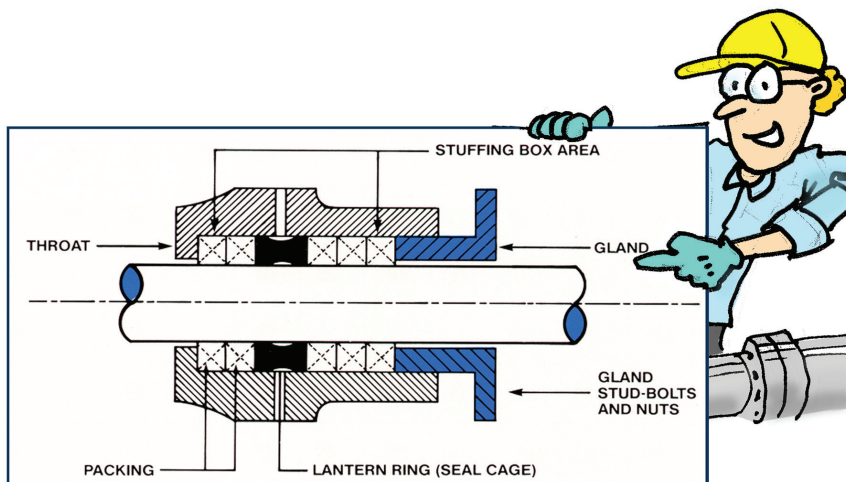
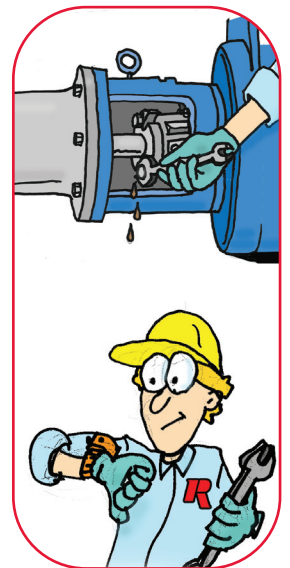
Adjust packing

Start cooling water line and pump.

Reduce leakage gradually by tightening gland slowly until leakage reaches acceptable level, one lap (1/4 turn) at a time.

If leakage stops abruptly back off the gland and readjust to prevent packing from overheating.

Allow sufficient time (10-30 minutes) between adjustments for leak rate to stabilize.



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