

Rotating Equipment

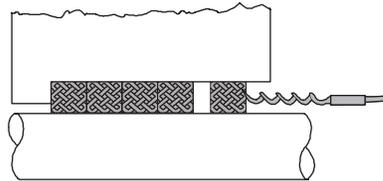
By carefully following these installation instructions you will achieve maximum performance from your John Crane products.

Prepare the Equipment

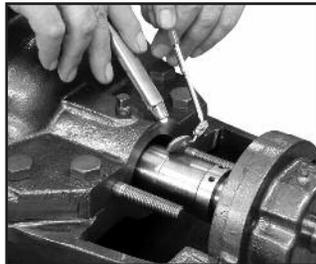
1. Shut off all valve lines leading to and from equipment, including pressurized flush if any. Bleed off equipment pressure.

Do not use system pressure to blow out (remove) packing rings.

2. Remove all old packing rings and the lantern ring by using the proper size packing removal hook.



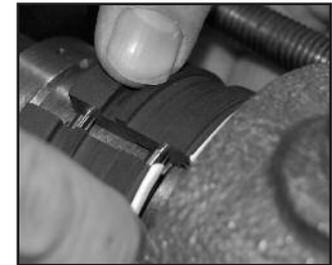
3. Check the shaft/sleeve for nicks and score marks, repair or replace as necessary. Clean stuffing box bore if required.



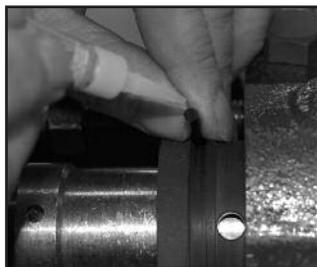
4. Place adhesive back PTFE gasket tape on raised face of each bushing half.



5. Place bushing halves over shaft/sleeve and push firmly together.

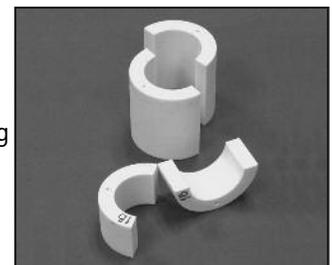


6. Split O-ring(s), place into O-ring groove(s) on bushing outside diameter (OD), and bond ends.



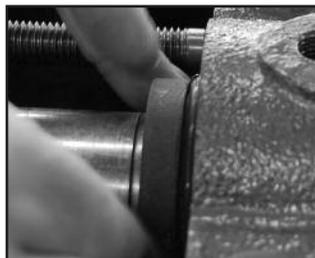
8. Align a lantern ring hole with flush port by slowly rotating bushing.

9. Firmly seat bushing against bottom of stuffing box utilizing a split installation bushing and gland follower.

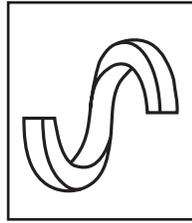


Split Installation Bushing

7. Insert bushing into stuffing box leaving approximately 1/2" exposed.

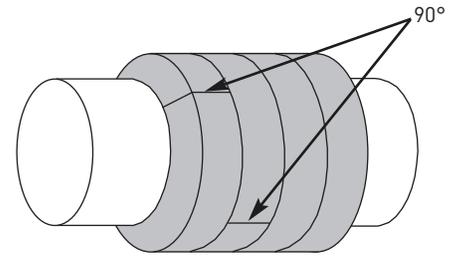


10. Install 1st packing ring with ring joint at approximately 1 o'clock position. Seat ring firmly using split installation bushing and gland follower.



"S" twist ring and insert around shaft.

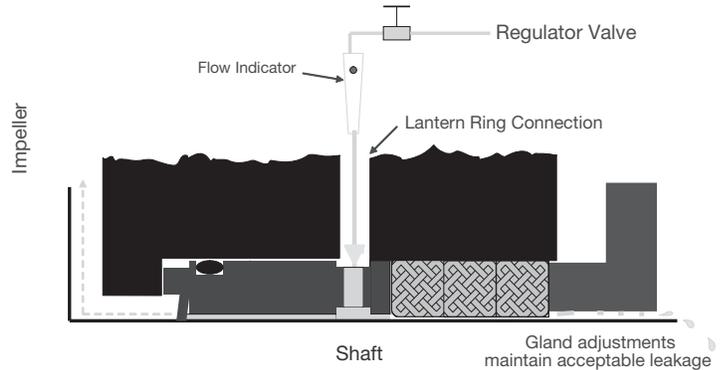
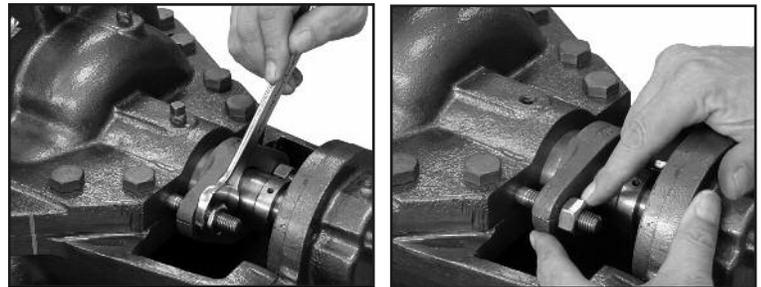
11. Repeat step ten seating each additional ring individually, staggering ring joints 90° to 180° apart.



12. Seat final ring firmly with wrench. Loosen gland nuts and finger tighten.

13. At minimum, gland follower lead-in should be approximately 1/8" to 3/16". The remaining exposed portion of gland follower should at least equal the cross section of packing used, allowing for future gland adjustments.

14. Rotate shaft by hand to ensure shaft is not binding.



For optimum performance flush pressure should be maintained at higher pressure than process.



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