

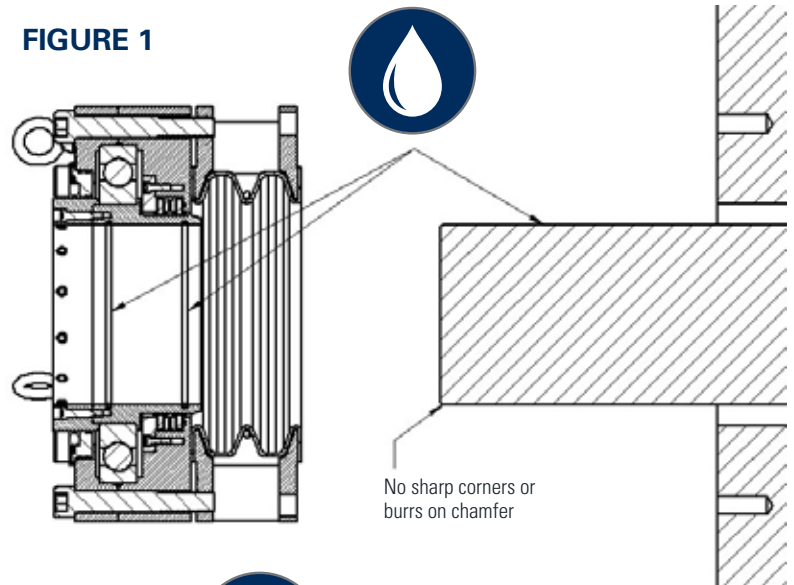
# KLOZURE® Style 3D Mixer Seal

## INSTALLATION INSTRUCTIONS

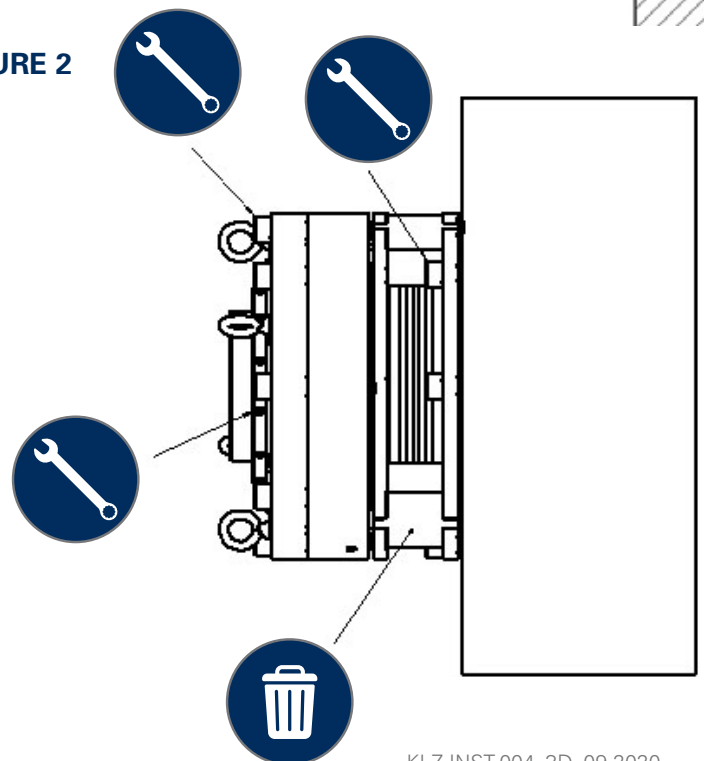
It is highly recommended to inspect the shaft and installation location for sharp edges, burrs, or raised metal surfaces that could damage the bellows, O-ring, or gasket. Any sharp edges, burrs, or raised surfaces must be removed prior to installation of the seal assembly.

1. Apply the supplied lubricant to the shaft outer diameter along the full length of the installation. Additionally, apply the supplied lubricant to the seal o-rings, located on the sleeve inner surface. (Figure 1)
2. Lower seal assembly over shaft, until flange is mated with vessel wall. (Figure 2)
3. Install bolts (not provided) into seal flange. Tighten by hand until snug. If applicable, do not remove bellows spacers at this time. Some bolt holes may be blocked until later.
4. Re-tighten the external bolts on the seal housing to the recommended torque in an opposing pattern.
5. Tighten 12x set-screws in an opposing pattern until lightly contacting the Shaft.
6. Securely tighten each set-screw in an opposing pattern to approximately 35 LB-FT torque.
7. Remove the bellows spacers.
8. Install remaining bolts in seal flange through holes now uncovered, if applicable. Tighten by hand until snug.
9. In an opposing pattern, tighten the 8x flange bolts to the recommended torque.
10. Verify the shaft and sleeve rotates freely within the seal assembly.
11. If applicable, connect the flush Inlet supply line and Outlet return line to the seal. Supply the necessary flush media prior to start up per operating best practices.
12. The seal is now ready for service.

**FIGURE 1**



**FIGURE 2**



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