



REPAIR INSTRUCTION

LMX

Dry-Running, Unpressurized Seal for Mixers and Agitators



These instructions must be read prior to installing, operating, and maintaining this equipment.

LMX Dry-Running, Single Pressurized Seal for Mixers and Agitators

These instructions are to be used in conjunction with the LMX Repair Kit. The repair contains replacement cartridge lip pack, secondary seals, and bushings. The repair should be done in a clean, well-lit area. The tools you will need to do the repair should be provided in the LMX Repair Kit which includes:

- 5/32" Hex Key
- 9/64" Hex Key
- 1/8" Hex Key
- Krytox

1 Cartridge Lip Pack and Baseplate O-ring Replacement

- 1.1 Using the 5/32" Hex key, remove all 3 pan head screws from the setting devices.
- 1.2 **Carefully** slide the sleeve with the drive collar attached out of the gland body.
- 1.3 Wipe the sleeve with a low lint wipe to remove any debris.
- 1.4 Using a 9/64" Hex key, remove all five socket head screws from the top plate/ gland.
- 1.5 Remove the upper bushing by reaching underneath through the inside diameter (ID) and pulling it out of the gland. Wipe clean with a low-lint wipe.
- 1.6 Remove the cartridge lip pack (**ensure you have both spring energized gaskets, top and bottom**) from the gland and discard.
- 1.7 Install the new cartridge lip pack from repair kit. **Ensure the axial bumpers face up.**



- 1.8 Re-install the upper bushing so the small hole faces upwards.
- 1.9 Re-install the top plate/ gland on top of bushing by aligning the pin to the small hole in the bushing.
- 1.10 Rotate the top plate/ gland until the holes align with the gland.
- 1.11 Using the 9/64" Hex key, install the five socket head screws from the repair kit (**Two tapped holes are for jacking screws**).
- 1.12 Flip the gland upside down so that the baseplate O-ring faces up.
- 1.13 Remove the O-ring located in the groove of the baseplate.
- 1.14 Apply Krytox on the new O-ring from the LMX Repair Kit and install it in the groove of the baseplate.

2 Sleeve Bushings and O-rings Replacement

- 2.1 Using the 1/8" Hex key, remove all 3 setscrews from the drive collar.
- 2.2 Remove the cover and the 3 bushings from the sleeve.
- 2.3 Install the new cover and bushings from the repair onto the sleeve.
- 2.4 Reinstall the drive collar so that the holes align with the bushing holes.
- 2.5 Using the 1/8" Hex key, install the 3 new setscrews from the repair kit into the drive collar.
- 2.6 Remove the two O-rings located on the inner diameter (ID) of the sleeve.
- 2.7 Apply Krytox on the two new O-rings from the LMX repair kit and install them on the inner diameter (ID) of the sleeve.
- 2.8 Install the sleeve with the drive collar attached into the gland body.



Headquarters

Flowserve Corporation
5215 North O'Connor Blvd.
Suite 700
Irving, Texas 75039-5421 USA

Flowserve Corporation has established industry leadership in the design and manufacture of its products. When properly selected, this Flowserve product is designed to perform its intended function safely during its useful life. However, the purchaser or user of Flowserve products should be aware that Flowserve products might be used in numerous applications under a wide variety of industrial service conditions. Although Flowserve can provide general guidelines, it cannot provide specific data and warnings for all possible applications. The purchaser/user must therefore assume the ultimate responsibility for the proper sizing and selection, installation, operation, and maintenance of Flowserve products. The purchaser/user should read and understand the Installation Instructions included with the product, and train its employees and contractors in the safe use of Flowserve products in connection with the specific application.

While the information and specifications contained in this literature are believed to be accurate, they are supplied for informative purposes only and should not be considered certified or as a guarantee of satisfactory results by reliance thereon. Nothing contained herein is to be construed as a warranty or guarantee, express or implied, regarding any matter with respect to this product. Because Flowserve is continually improving and upgrading its product design, the specifications, dimensions and information contained herein are subject to change without notice. Should any question arise concerning these provisions, the purchaser/user should contact Flowserve Corporation at any one of its worldwide operations or offices.

©2026 Flowserve Corporation. All rights reserved. This document contains registered and unregistered trademarks of Flowserve Corporation. Other company, product, or service names may be trademarks or service marks of their respective companies.

SSIOM003312-01 (EN/LTR) April 2026