



REMARCO VALVE MAINTENANCE INSTRUCTIONS NORMALLY CLOSED VALVE

Refer to assembly drawing 601369A.

1.0 Packing gland adjustment

- 1.1 Relieve the system pressure. Remove the valve from the system and place it securely in a vice.
- 1.2 Remove the cap (28) at the top of the operator and loosen the locknut (27) to relieve spring tension.
- 1.3 Tighten the packing gland (34) to the appropriate torque for the valve. Suggested packing gland torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.
- 1.4 Retighten the locknut (27) at the top of the operator to the required torque. Suggested locknut torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.

2.0 Packing replacement

- 2.1 Relieve the system pressure. Remove the valve from the system and place it securely in a vice.
- 2.2 Remove the cap (28) at the top of the operator and loosen the locknut (27) to relieve spring tension.
- 2.3 Remove the cap screws (1) holding the operator mounting bracket (2) to the body (42).
- 2.4 Unscrew the packing gland (34) and remove the packing gland / stem / top works assembly from the body. Note the packing and packing washer arrangement.
- 2.5 Replace the packing (36), and place the packing (36) and packing washers (35 & 37) into the valve body.
- 2.6 Replace the packing gland / stem / top works assembly into the valve body.
- 2.7 Tighten the packing gland (34) to the appropriate torque for the valve. Suggested packing gland torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.
- 2.8 Retighten the locknut (27) at the top of the operator to the required torque.

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Suggested locknut torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.

3.0 Stem replacement

- 3.1 Relieve the system pressure. Remove the valve from the system and place it securely in a vice.
- 3.2 Remove the cap (28) at the top of the operator and loosen the locknut (27) to relieve spring tension.
- 3.3 Remove the cap screws (1) holding the operator mounting bracket (2) to the body (42).
- 3.4 Unscrew the packing gland (34) and remove the body (42).
- 3.5 Loosen and remove the stem nut (3).
- 3.6 Remove the old stem (39) and insert the new stem. Replace and tighten the stem nut (3).
- 3.7 Replace the packing (36) as required, and place the packing (36) and packing washers (35 & 37) into the valve body.
- 3.8 Replace the packing gland / stem / top works assembly into the valve body.
- 3.9 Tighten the packing gland (34) to the appropriate torque for the valve. Suggested packing gland torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.
- 3.10 Retighten the locknut (27) at the top of the operator to the required torque. Suggested locknut torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.

4.0 Diaphragm replacement

- 4.1 Relieve the system pressure. Remove the valve from the system and place it securely in a vice.
- 4.2 Remove the cap (28) at the top of the operator and loosen the locknut (27) to relieve spring tension.

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- 4.3 Loosen and remove the twelve 3/8-24 screws (10) along the perimeter of the diaphragm housing (20).
- 4.4 Remove the upper diaphragm housing (20).
- 4.5 Loosen the six flat head screws (23) and remove the pressure plate (22).
- 4.6 Replace the diaphragm (12).
- 4.7 Reassemble the pressure plate (22) and the six flat head screws (23).
- 4.8 Reassemble the diaphragm housing (20) using approximately 20 ft·lb on the twelve 3/8-24 screws (10).
- 4.9 Retighten the locknut (27) at the top of the operator to the required torque. Suggested locknut torque values are listed in the Technical Information section of the High Pressure Equipment Company catalog.

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P.O. Box 8248, 1222 Linden Avenue Erie, PA 16505 U.S.A. • Phone: (814) 838-2028 • 1-800-289-7447 • Fax: (814) 838-6075