

tekmar® Installation & Operation Manual

Replacement O-Rings for 1-1/2 to 2" Brass Valves (M3057)



Accessories

DM3057

04/11

Replaces: New

This seal replacement kit is for tekmar Brass Valve models 713, 714, 723 and 724. The kit includes two small o-rings and a large o-ring. All o-rings are lubricated with silicone grease.

Bottom Cover Removal Tool Assembly

To remove the bottom cover of the valve, a special tool can be assembled using the following:

- One 1/2" NC x 2" long bolt with 3/4" hex head
- Two 1/2" NC nuts

Thread both nuts onto the bolt. Then thread the first nut backwards to lock against the second nut.



Screw



Blue Handle



C-Clip



Indicator Plate



Small O-Ring



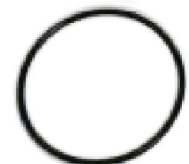
Valve Body



Small O-Ring



Valve Flap



Large O-Ring



Bottom Cover

Repair procedure:

1. Remove screw attaching blue handle. If an actuator motor is installed, remove hand wheel and screw.
2. Pull blue handle or actuator motor off of valve assembly.
3. Insert flat blade screwdriver into either rear slot of c-clip. Twist screwdriver to pry off clip.
4. Mark the indicator plate position for later reference. Remove metal indicator plate.
5. Turn valve assembly over and use special tool to unscrew bottom cover.
6. Push valve flap assembly out through bottom of valve body.
7. Remove small o-ring from top of valve body.
8. Clean top of valve body using steel wool.
9. Remove other small o-ring from shaft of valve flap.
10. Clean the shaft of valve flap using steel wool and install new small o-ring on shaft of valve flap.
11. Re-install valve flap assembly into valve body.
12. Remove the large o-ring from the bottom cover.
13. Clean the bottom cover using steel wool and replace the large o-ring.
14. Re-install bottom cover using special tool.
15. Install new small o-ring onto shaft of valve flap. Use your finger to push the o-ring down between the valve body and shaft.
16. Re-install indicator plate.
17. Re-install c-clip onto valve shaft.
18. Re-install blue handle and screw or actuator motor, screw and handwheel.
19. Rotate handle through its full motion both ways. It should be smooth and stop at the ends of the range indicated on the plate.



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