

# tekmar® Installation & Operation Manual

## Replacement O-Rings for 3/4 to 1-1/4" Brass Valves (M3056)



Accessories

**DM3056**  
04/11

Replaces: New

This seal replacement kit is for tekmar Brass Valve models 710, 711, 712, 720, 721 and 722. The kit includes two small o-rings and a large o-ring. All o-rings are lubricated with silicone grease.

### Top or Bottom Access?

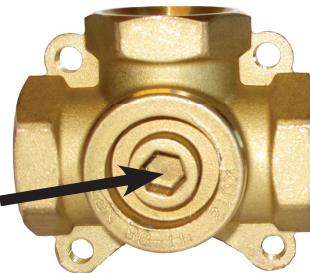
Before getting started, identify whether the valve is assembled from the top or bottom.

### Bottom Access:

To install replacement o-rings, ensure the following tools are available:

- Slot (flat) screwdriver
- 10 mm hex key
- Steel wool

Hex cap indicates valve is accessed from bottom.



### 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 a 10 mm hex key 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 and tighten with 10 mm hex key.
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 according to markings made in Step 4.
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.

Screw



Blue Handle



C-Clip



Indicator Plate



Small O-Ring



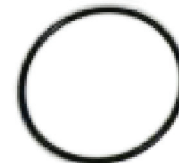
Valve Body



Small O-Ring



Valve Flap



Large O-Ring



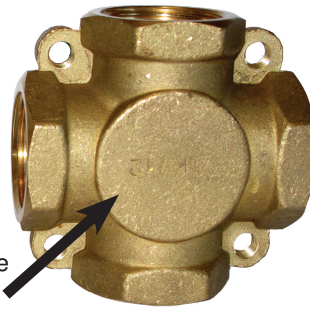
Bottom Cover

## Top Access:

To install replacement o-rings on valves accessed through the top, ensure the following tools are available:

- Slot (flat) screwdriver
- Steel wool

Smooth base indicates valve is accessed through top.



## 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. Insert small flat blade screwdriver into notch in valve body and pry out metal retainer clip.
6. Remove valve flap assembly by pulling on shaft.
7. Remove white plastic washer, if present.
8. Remove metal o-ring housing from valve flap.
9. Remove small and large o-rings and clean surface on o-ring housing using steel wool. Install two new small and one large o-ring on o-ring housing.
10. Re-install o-ring housing onto valve flap.
11. Re-install valve flap assembly into valve body.
12. Re-install metal retainer clip into valve body. Make sure it is snapped all the way around.
13. Use your finger to push the small o-ring down between the valve flap shaft and o-ring housing.
14. Re-install white plastic washer over shaft, if present.
15. Re-install indicator plate according to markings made in Step 4.
16. Re-install c-clip onto valve shaft.
17. Re-install blue handle and screw or actuator motor, screw and handwheel.
18. Rotate handle through its full motion both ways. It should be smooth and stop at the ends of the range indicated on the plate.

