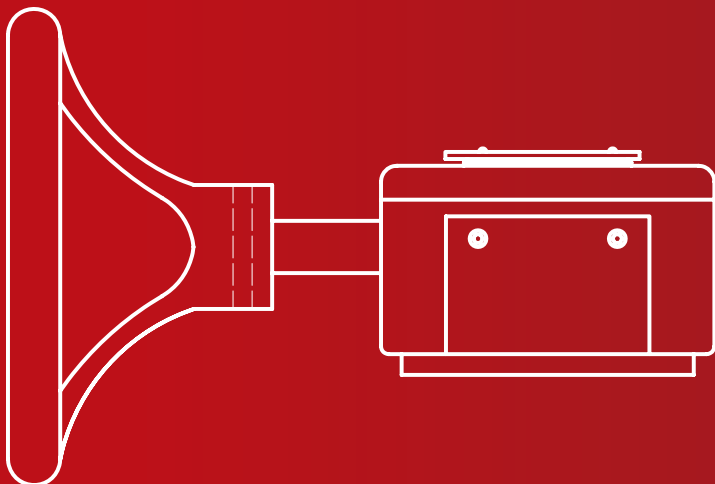




INSTALLATION, OPERATION, & MAINTENANCE GUIDE

BUTTERFLY VALVES

Gear Operator



MODEL
GEAR OPERATOR



IMPORTANT

For safe and proper operation, please read the enclosed installation, operation, and maintenance instructions prior to using any Jomar Valve product. Save this document for reference.

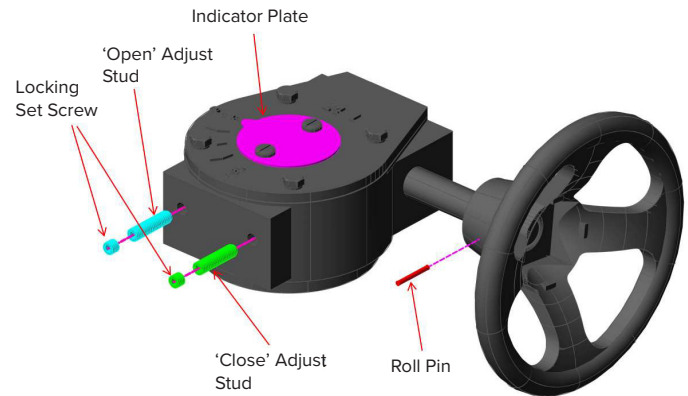
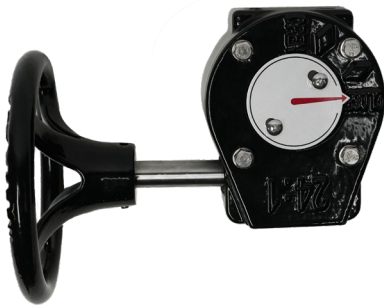
Only qualified personnel should undertake the procedures outlined in this document. Jomar Valve, its agents, representatives, and employees assume no liability for the use of these procedures. These procedures are offered as suggestions only.

Note that failure to follow the enclosed instructions may damage the product and/or void any applicable warranties.

Gear Operator

Fits Resilient Seated Butterfly Valves

Model: Gear Operator



INSTALLATION

1. Place the handwheel over the Gear Operator shaft and align the holes for the roll pin.
2. Tap the supplied roll pin into place to secure the handwheel to the shaft.
3. Manually operate the handwheel until the output shaft is in line with the valve stem.
4. Align the mounting holes of the Gear Operator with the mounting holes on the neck flange of the valve (or mounting pad). It may be necessary to rotate the handwheel to align the mounting holes.
5. Using the included hardware, place and tighten all 4 bolts with flat and lock washers. Tighten in a diagonal pattern.

OPERATION

- Counter-clockwise rotation of handwheel to open
- Clockwise rotation of handwheel to close

MAINTENANCE

Proper lubrication is necessary for smooth operation and longevity of the gear operator.

ADJUSTMENT

To Adjust 'Close' Position

1. On the end of the gear operator, the right-hand stud is the 'Close' adjustment stud.
2. Remove the indicator plate and view the position of the valve stem.
3. Remove the locking set screw and back off the 'Close' travel stop stud, one turn in the counter-clockwise direction.
4. Rotate the hand-wheel until the stem groove is perpendicular to the direction of flow.
5. Rotate the 'Close' adjustment stud clockwise until it contacts the internal gear.
6. Verify that the stem groove is still perpendicular to the direction of flow.
7. Re-tighten the locking set screw until it is snug against the adjustment stud.
8. Place the indicator plate back on the operator.

To Adjust 'Open' Position

1. On the end of the gear operator, the left-hand stud is the 'Open' adjustment stud.
2. Remove the indicator plate and view the position of the valve stem.
3. Remove the locking set screw and back off the 'Open' travel stop stud, one turn in the counter-clockwise direction.
4. Rotate the hand-wheel until the stem groove is in line with the direction of flow.
5. Rotate the 'Open' adjustment stud clockwise until it contacts the internal gear.
6. Verify that the stem groove is still in line with the direction of flow.
7. Re-tighten the locking set screw until it is snug against the adjustment stud.
8. Place the indicator plate back on the operator.