

INSTALLATION AND MAINTENANCE INSTRUCTIONS OF MANUAL OPERATOR

The Manual Operator is basically a handwheel and spindle assembly as shown in the figure. The bearings are pre-packed with molybdenum disulphide and lubricating grease, and generally the actuator requires no maintenance.

However, for dismantling purposes the following procedures should be carried out:-

➤ DISASSEMBLY OF THE MANUAL OPERATOR

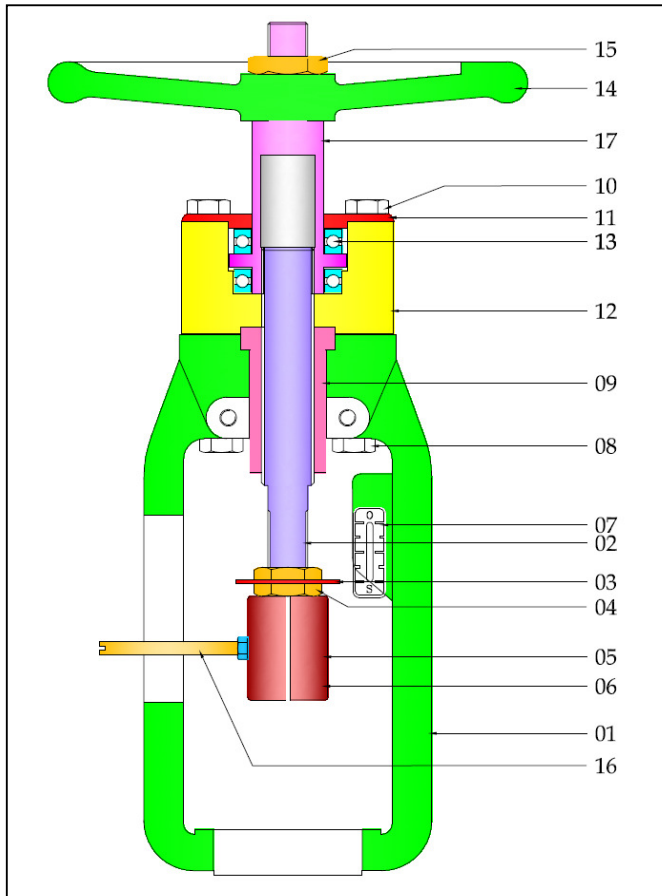
1. Remove the Handwheel by removing the Handwheel Lock Nut.
2. Remove the Key.
3. Remove the Cover Plate Screw.
4. Remove the Anti-rotation Pin from the Coupling.
5. Remove the Stem Coupling.
6. Remove the Indicator Lock Nut and Travel Indicator.
7. Lift the complete Spindle assembly from the housing. Upper Ball race will also get lifted. The Lower Ball race can be removed separately.

A Bearing Plate is normally fitted between the Upper Bearing and Cover Plate. In addition to the Bearing Plate, there may be Shims fitted to give appropriate bearing clearance. When dismantling this portion the relative positions of the Bearings, Bearing Plate, Shims and Cover Plate should be noted and replaced in this order.

➤ ASSEMBLY OF THE MANUAL OPERATOR

The assembly procedure for the actuator is exactly the reverse of dismantling.

CAUTION:-Before reconnecting the actuator and split coupling to the valve, the handwheel should be rotated until the spindle is in the ' down' position against the travel stop.



PART No.	NAME OF THE PART
01	Yoke
02	Stem
03	Travel Indicator
04	Indicator Lock Nut
05	Coupling
06	Alen Bolts for Coupling
07	Travel Plate
08	Yoke Screw
09	Travel Stopper
10	Cover Plate Screw
11	Cover Plate
12	Bearing Housing
13	Thrust Bearing
14	Handwheel
15	Lock Nut
16	Anti Rotation Pin
17	Revolving Nut

NOTE :- If you experience difficulty with the installation or operation of the control valve please feel free to contact our customer service representative.

In order to avoid possible injury to personnel or damage to valve parts, WARNING and CAUTION notes must be strictly adhered to. Modifying this product, substitution non- factory or inferior parts, or using maintenance procedure other than outlined could drastically affect performance, void product warranties and be hazardous to personnel and equipment.

While ordering spares, please indicate ' Valve Serial No.' appearing on 'Name Plate' fixed on the Actuator.
The company's policy is one of the continuous product improvement and the right is reserved to modify the specifications contained herein without notice.



PNEUCON VALVES PVT LTD

Plot No: A-35, Road No. 10,Wagle Industrial Estate,
Thane – 400 604, India.
Phone: +9122 49620350 / 60, Fax : +9122 2583 8373
E-Mail: sales@pneuconvalves.com
Web: www.pneuconvalves.com