



**WARREN-MORRISON
VALVES LTD.**

OPERATING & MAINTENANCE INSTRUCTIONS

FLOW CONTROL PINCH VALVE

AIR OPERATED WITH DIAPHRAGM AIR ACTUATOR ARRANGED SPRING TO CLOSE TYPE 24/36 ACTUATOR

INSTALLATION

1. The valve is not designed to carry unsupported lengths of pipeline and/or large actuators.
2. The valve mechanism must be fully open when the valve is installed in the pipeline.
3. Check tube materials is correct for the duty.
4. The flange seal is provided by the rubber tube. Additional gaskets are not necessary and are not recommended.
5. When passing valve between fixed pipe flanges, care must be taken to ensure correct alignment of tube and pipe bore.

MAINTENANCE

Under normal operating conditions the valve should require no maintenance between routine tube replacement.

TO REPLACE TUBE

1. Isolate valve from line pressure, drain line and disconnect air supply to actuator.
2. Remove complete valve from line.
IMPORTANT NOTE: Do not remove pinned nuts on upper end of tie rods. Do not remove actuator from upper half body or dismantle pinch bar mechanism. Undo body bolts and the nuts on the bottom of the tie rods and remove bottom half body casting.
3. Open valve mechanism by connecting temporary air supply energising to open.

IMPORTANT NOTE: Before further work is commenced and to avoid accidental closure due to air failure it is advised to use the manual override facility, the tool is located at the centre of the actuator and is designed to resist the effect of the closing force of the spring. Remove and insert the override tool in the top of the actuator and locate with the supplied securing nut tightened against the top of the actuator.

4. Remove old tube, clean mechanism clean and smear moving parts with a little grease (such as Shell Alvania R2 or R3). Excessive use of grease is not recommended and care must be taken to avoid contaminating the tube.
5. Ensure that the new tube material is correct for the duty.
6. Fit new tube, mechanism and re-assemble valve, connect temporary air supply to energise the valve and remove the manual override facility from the actuator.
7. Re-fit valve in line – SEE NOTE 5 ON INSTALLATION – reconnect air supply to actuator and stroke valve into fully open position before tightening flanges.

FOR ADJUSTMENT OR MAINTENANCE OF ACTUATOR SEE MANUFACTURER'S SERVICE INSTRUCTIONS

IF THE ABOVE PROCEDURES AND RECOMMENDATIONS ARE NOT OBSERVED, WARREN-MORRISON VALVES LIMITED ACCEPT NO LIABILITY FOR DAMAGE TO ANY PART OR PERON/S DURING INSTALLATION AND SUBSEQUENT TESTING.