Specially Designed for Abrasive and Corrosive Applications

• 1/4" to 2 1/2" Remote Control Shut-Off Valves
• Solves Problems of Wear and Maintenance in Abrasive and Corrosive Media
• No Spools, Poppets or Sliding Seals That Can Wear or Stick
• Available with Solenoid and Pilot Actuators
Pinch Valve Concept
The TUBE-O-MATIC has been designed to include the excellent features of the pinch valve without the inherent weaknesses. The TUBE in the TUBE-O-MATIC does not collapse entirely as the tubing does in a pinch valve. The TUBE-O-MATIC closes on the airfoil center core. Thus the movement of the TUBE is substantially reduced, resulting in extended TUBE life.

Bi-Directional
The normally open TUBE-O-MATIC valve design allows media flow in both directions. This feature can prove invaluable in systems requiring both forward and reverse control.

How It Works
The TUBE-O-MATIC tube is controlled by an external pneumatic or hydraulic pilot pressure. To close the valve, pilot pressure is applied, closing the tube around the center core and sealing bubble tight. To open the valve, pilot pressure is exhausted. The small tube deflection permits a high cycle rate, with minimal flow noise and shock-free smooth opening or closing on fluids.

Straight-Thru Flow
This type of flow pattern eliminates the build-up of solids in the valve body. It acts as a self-flushing unit.

Large-Capacity
With a Cv range of 4.0 to 75.0 and pipe sizes available from 1/4” NPT to 2 1/2”NPT TUBE-O-MATIC has a valve to fit your application. The airfoil design of the center core and the straight-through flow pattern result in capacity which compares to ball valves.

Minimum Wear
The only moving part in the TUBE-O-MATIC is the tube and that movement is held to a minimum, by the center core tube support design, giving a long trouble-free life.
Maximum Media Pressure

- 150 PSI solenoid/pilot
- Solenoid valve is multi-purpose rated at 150 PSI applied to either normally open or normally closed port

Note: Minimum pilot to media ratio is 1:1. For maximum TUBE life the pilot to media pressure differential should not exceed 20 PSI. For line pressures below 50 PSI, pilot pressure must be line pressure + 15 PSI.

How To Order

Model Number for sol/pilot operated valve

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310406 - 26 - 45 - 59 - X
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Viton TUBE
316SS Center Core
316SS End Caps
voltage/hz (see solenoid selector)
Applications:

TUBE-O-MATIC valves are used on machine tools, in chemical plants, on sandblasting equipment, on food processing machines, on paper processing equipment, fluid reclamation systems, and anywhere else where corrosive or abrasive materials are the media.

Dimensions (inches)

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<tr>
<th>NPT Port Size</th>
<th>Solenoid Pilot Model</th>
<th>Direct Pilot Model</th>
<th>Overall Dimensions</th>
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