

Series 2400 Pinch Valve (Hydraulic Actuator)
SUGGESTED SPECIFICATIONS

The Control Pinch Valves shall be of the fully enclosed body type. The body shall be welded steel and shall conform to ANSI / ISA S-75.08 face to face dimensions. The valve shall be flanged with threaded bolt holes. The Flange bolting pattern shall conform to customer specifications.

The Valve Body shall be split to allow access to the sleeve and pinch mechanism for maintenance and inspection purposes, the body halves shall be bolted together with an optional gasket to prevent leakage to atmosphere.

The Valve Body shall be provided with a female pipe fitting port for use as a drain port or connection of a leak detection device.

The Pinch Valve Sleeve should be of the fully flanged, fabric reinforced type. Reinforcement should be of high tensile synthetic cord and should be externally protected by a minimum of 1/16" thick neoprene.

The Sleeve shall have a means of attachment to the pinching mechanism to ensure positive opening. The Sleeve Port shall be circular and may be full port, reduced port or funnel port for control purposes as determined by the flow requirements. Elastomer selection and design pressure will also be determined by the service conditions.

The Pinch Mechanism shall ensure closure on centerline, the pinch bars will be guided by stainless steel rods, the Valve stem shall also be stainless steel and shall be non-rotating. In the case that a fail to open / fail to close valve is desired the valve mechanism will be supplied with bottom closure.

The tie rods and valve stem will be sealed and guided, when intersecting the Valve Body, by low friction wear resistant & replaceable, non-metallic bushings.

The Hydraulic Actuator shall be sized accurately to operate the valve when the process line pressure and actuator supply line pressures are known values.

Controls for the Actuator and ultimately The Pinch Valve shall be provided and installed on the valve as determined by the customer to suit the process control requirements.

The Pinch Valve manufacturer must maintain a Registered Quality Assurance Program which meets the requirements of ISO 9001.

The Control Pinch Valves shall be manufactured by Elasto-Valve Rubber Product Inc. located in Sudbury, Ontario, Canada.