

Utility Control Pinch Valve (25mm to 300mm)

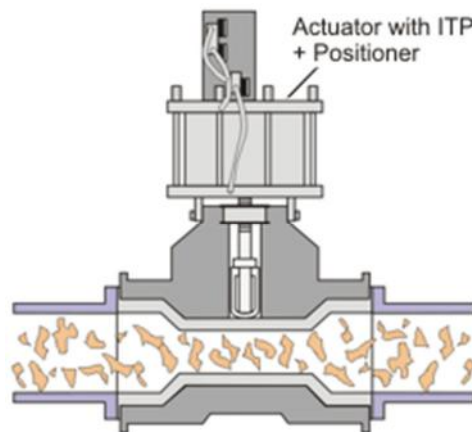
These pinch valves were originally designed and patented by the company "Martco" some 50 years ago. Many valves sold at that time are still in operation and have been effectively maintained by renewing the sleeves from time to time. Being in the portfolio of an electrical company – MARTCO – the product had not been actively marketed for some years.

ATVAL has now redesigned the valve and uprated the sleeve, so that the valve now has a 1000 kPa minimum pressure rating throughout its size range.

The valve is supplied with a wide range of sleeve trims to meet exact medium and flow specifications, and can be supplied with manual handwheel operation, or may be fitted with all types of actuators for either ON/OFF or accurate flow control. Sleeve material options are shown in more detail in the information relating to "Sleeve Selection" (see Section 6.4).

This valve is unique in its design and combines the technology of GATE, DIAPHRAGM and PINCH VALVES to offer the user a very cost effective product for handling abrasives and corrosive mediums. The streamlined flow design only marginally restricts flow when the valve is in the fully open position and has approximately 90% of the area and 95% of the flow of full bore valves. It out-performs and outlasts Diaphragm valves and is possibly the best valve available on the market at this time, for precise control of slurries and similar applications.

The valve, which is completely interchangeable with diaphragm valves to BS 5156 length standards, has been specially designed for flow control, which begins as soon as the valve starts to close and provides an almost true linear flow characteristic. Oversized pipeline conditions can be easily corrected, using reduced port sleeves so that the valve control remains within the 20% to 80% opening parameters, which ensures extended sleeve life and enhances the controlling performance.



- 50 years of proven service
- Easy to use, easy to maintain, fitter friendly
- All types of actuators can be fitted
- High wear resistant, field replaceable sleeves, extend inline service and lowers maintenance costs
- Sleeves available in full bore, reduced port and cone designs in a wide range of polymers to meet exact service and flow specifications
- Drop tight bi-directional shut off
- Excellent control and throttling characteristics
- Modular structure allows independent choice of actuator, body and sleeve type
- Self-cleaning, flexing action of sleeve eliminates scaling and line blockage

Specifications

Valve Size (mm)	Max CWP (Bar)	A	Dimensions (mm)			Weight (kgs)	Cv
			B	C	L		
25	16	80	80	115	134	4.0	67
40	16	105	125	150	166	7.0	170
50	16	140	130	165	198	10.5	280
80	16	190	160	200	263	16.0	710
100	10	230	220	220	312	28.0	1110
150	10	350	280	280	415	55.0	2495
200	10	460	340	340	535	113.0	4425
250	10	650	440	405	644	180.0	6910
300	10	730	490	460	760	230.0	9965

