

IGENIX® PINCH VALVES for Imperial and Metric tube sizes

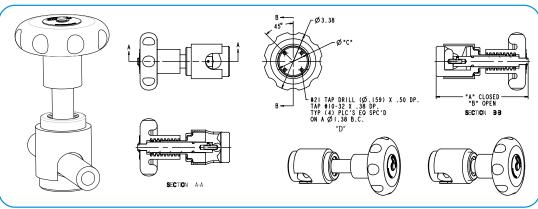


PBM Pinch Valves shut off media flow by exerting a clamping force on your existing flexible braided and clear tubing.



- PBM's unique design offers true "Fail Closed" without air-assist for flexible tubing sizes up to and including 1", 25.4 mm ID.
- Fits over existing tubing without the need for process breaks.
- Has absolutely no contact with any process media, thus will never introduce contaminants.
- For automated version, designed to function with actuator pressure as low as 60 PSIG, 4.1 barg with a variety of optional limit switches. Can be fitted with limit switches and/or position sensors for your monitoring/flow control needs.
- Modular safety cover shields the pinch area when the valve is in service. It can be
 opened to load/unload the valve without the need for process breaks or complete
 removal from the valve body.
- Tested and proven to provide absolute shutoff on tubing. Independent test report available on flexible braided hose and clear tubing upon request.





Manual Pinch Valve Dimensions and Weights

	Tube ID	Dimension				Approx. Weight	
		Α	В	С	D	lb	kg
inches	≤ 1/2"	5.32	6.32	1.75	1.38	2	0.9
mm	≤ 12.7	135.1	160.5	44.5	35.1	2	
inches	> ½" ≤ 1"	6.32	7.83	2.25	1.63	3	1.3
mm	> 12.7 ≤ 25.4	160.5	199.0	57.2	41.4	3	

Pinch Valve Applications:

Automated Valves:

- On/Off valves on automated UF and Chromatography skids
- Valves with positioners for flow and pressure control on automated UF and Chromatography skids

Manual Valves:

- Shut off valves on Bag totes
- Manual flow control on bench top UF systems

AUTOMATED PINCH VALVES



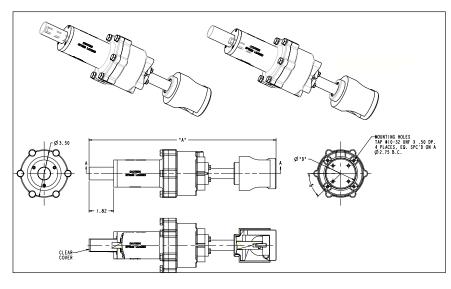
- Visual Indicator standard
- · Optional Limit Switch
- Complete shut off for all sizes
- Modular Safety Cover











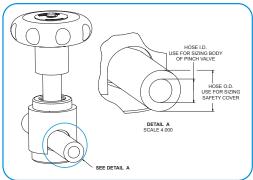
Automated Pinch Valve Dimensions and Weights

	Tube ID	Di	m.	Approx. Weight		
	Tube ID	Α	D	lb	kg	
in.	≤ 1/2"	11.80	1.75	7	3.2	
mm	≤ 12.7	299.7	44.5	'		
in.	> ½" ≤ 1"	13.78	2.25	0.5	3.8	
mm	> 12.7 ≤ 25.4	350.0	57.2	8.5	ა.8	



Pinch Valve Nomenclature

Model	Material	Body Size (Hose ID)	Series	Operator	Exterior Finish	Safety Cover Port (Hose OD)			
PV Pinch Valve	HL (316 stainless)	C = 0.062 to 0.50 tubing E = 0.625 to 1.0 tubing Flexible or braided hose inside diameter	1	MV = Manual A- = Automated stainless actuator, spring return (60-200 psig supply air / gas) AO = AV manual override AS = AV with proximity switch to to indicate open / close	-= Machine finish (50 Ra max) (standard finish) C = 32 Ra* L = 32 Ra + electropolish Hardware is not polished	00 02 03 04 05 06	Blank Safety Cover For 0.272" OD hose For 0.355" OD hose For 0.447" OD hose For 0.500" OD hose For 0.625" OD hose For 0.875" OD hose	e For use with hose e ID size "C" body e	
				·		10 11 12 13	For 1.000" OD hose For 1.125" OD hose For 1.250" OD hose For 1.375" OD hose	For use with hose ID size "E" body	



For valves with additional options, a unique IMI PBM drawing number may be assigned. Example: ----QXXX, where XXX is a sequential drawing number.

* All polishing compounds are free from animal derived compounds or oils.

Participating member of the ASME Bioprocessing Equipment (BPE) Standards Committee.



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