

Compact 2-Way Pinch Valves

For use with 3/32" OD to 3/8" OD Soft Tubing



ASCO 388, 390, and 401 Series are 2-Way, normally closed and normally open, solenoid operated pinch valves designed to control the flow of corrosive or high purity fluids in medical equipment and analytical instruments. Pinch valves isolate the fluid from the valve components by locating soft tubing in the mechanism that "pinches" the tubing to block flow and releases to allow flow.

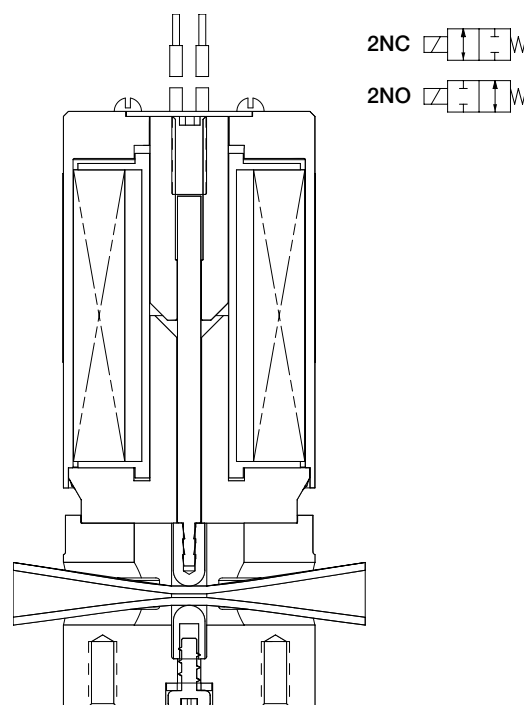
- Saves space in equipment with compact design.
- Large range of tubing sizes available for various flow and pressure requirements.
- Zero dead volume prevents cross-contamination

Construction

Valve Wetted Parts	
Recommended Tubing	VQM Max Hardness: 55 Shore A (12" tube supplied with each valve. Additional lengths available, see Pinch Valve Tubing Section)

Electrical

Standard Voltages	12 VDC, 24 VDC, 115 VAC (50/60 Hz)
Power Consumption	
-DC	2.5 to 10.0 Watts
-AC	4.0 to 12.0 Watts
Duty Cycle Rating	Continuous
Electrical Connection	
-390	26 AWG Hardwire, 15" long
-388, 401	22 AWG Hardwire, 15" long



Temperature Range:

Ambient:
 32°F to 77°F (0°C to 25°C)

Approvals:

Meets applicable CE directives.



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Specifications

Tubing ID (in)	Tubing OD (in)	Tubing Wall (in)	Operating Pressure (psi)		Catalog Number	Const. Ref.	Power (Watts)	Weight (oz)
			Min.	Max.				
2/2NC - Normally Closed								
1/32"	3/32"	1/32"	0	50	390NCxx150	1	2.5 (DC), 4.0 (AC)	2.5
1/16"	1/8"	1/32"	0	30	390NCxx330	1	2.5 (DC), 4.0 (AC)	2.5
1/16"	3/16"	1/16"	0	30	401NCxx430	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
3/32"	5/32"	1/32"	0	15	401NCxx515	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
1/8"	1/4"	1/16"	0	30	401NCxx830	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
3/16"	1/4"	1/32"	0	10	401NCxx1010	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
1/4"	5/16"	1/32"	0	10	388NCxx1110	3	10.0 (DC), 12.0 (AC)	16.0
1/4	3/8"	1/16"	0	15	388NCxx1215	3	10.0 (DC), 12.0 (AC)	16.0
2/2NO - Normally Open								
1/32"	3/32"	1/32"	0	50	390NOxx150	1	2.5 (DC), 4.0 (AC)	2.5
1/16"	1/8"	1/32"	0	30	390NOxx330	1	2.5 (DC), 4.0 (AC)	2.5
1/16"	3/16"	1/16"	0	30	401NOxx430	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
3/32"	5/32"	1/32"	0	15	401NOxx515	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
1/8"	1/4"	1/16"	0	30	401NOxx830	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
3/16"	1/4"	1/32"	0	10	401NOxx1010	2	4.5 (12DC), 5.3 (24DC), 6.8 (AC)	4.0
1/4"	5/16"	1/32"	0	10	388NOxx1110	3	10.0 (DC), 12.0 (AC)	16.0
1/4	3/8"	1/16"	0	15	388NOxx1215	3	10.0 (DC), 12.0 (AC)	16.0

Catalog Number Description and Options

390NC	xx	150
Catalog Number	Voltage 12 = 12VDC 24 = 24VDC 115 = 115VAC	Catalog Number

To Construct Catalog Number

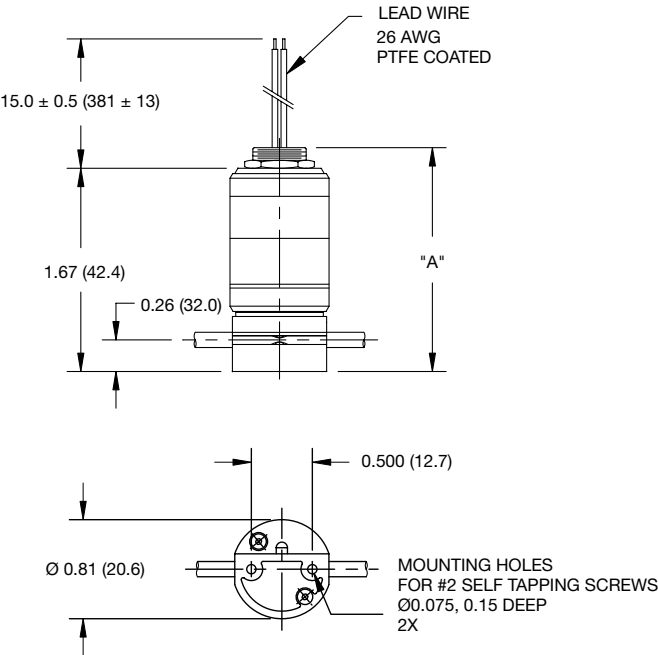
- Select catalog number from specification table above.
- Insert desired voltage in place of "xx"; use 3 digits for 115 AC voltage.

Examples

390NO12330 = 1/16" x 1/8" tubing, normally open, 12DC, 30 psi
 401NC24830 = 1/8" x 1/4" tubing, normally closed, 24DC, 30 psi
 388NC1151215 = 1/4" x 3/8" tubing, normally closed, 115AC, 50/60 Hz, 15 psi

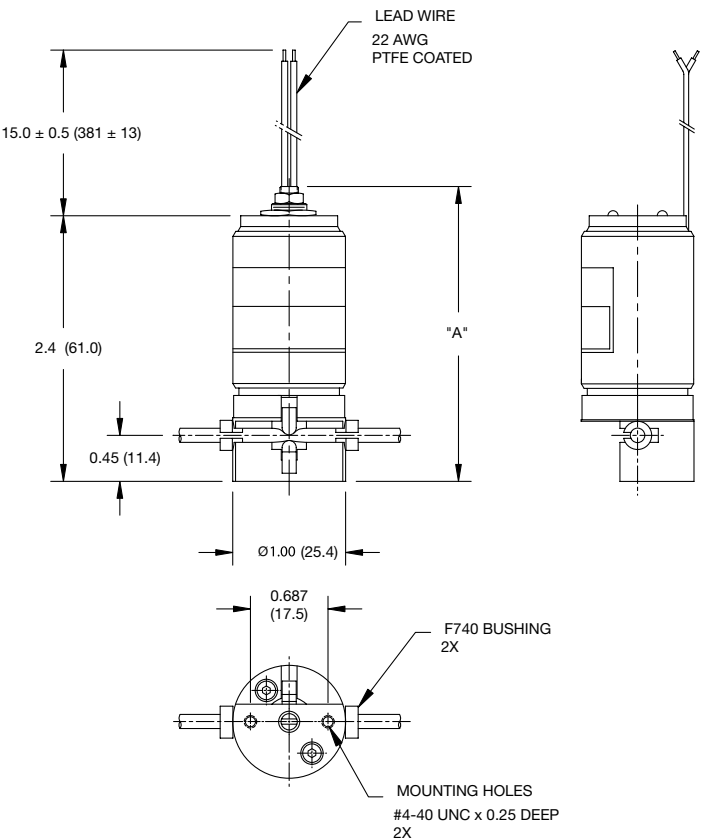
Dimensions: Inches (mm)

Const. Ref 1



MODEL 390	
TYPE	DIM "A"
2 WAY NO	7.75 (44.5) MAX
2 WAY NC	1.90 (48.3) MAX

Const. Ref 2



MODEL 401	
TYPE	DIM "A"
2 WAY NO	2.45 (62.2) MAX
2 WAY NC	2.50 (63.5) MAX

Dimensions: Inches (mm)

Const. Ref 3

MODEL 388	
TYPE	DIM "A"
2 WAY NO	3.6 (91.4) MAX
2 WAY NC	4.00 (101.6) MAX

