

Pinch Valve 7078



1/2" up to 2"

New generation of pinch valves with revised inner tube for demanding applications or food fluids.

- Compact design with rotatable actuator
- Unaffected by contaminated, granulated, viscous, doughy and aggressive media
- Usable for sanitary and aseptic applications because of hygienic sealing
- All components in contact with the fluid made of 1.4435
- Operating pressure up to 87 psi

Technical data

Nominal Sizes	1/2" up to 2"
Connections	Pipe threats nach ISO 228-1 G 1/2" up to G 2", NPT-treats Inner sticking socket PVC Welding ends acc. to DIN or ISO Tri-Clamp-connector (inch)
Body material	Stainless steel CF8M, no contact with the fluid
Material in contact with the fluid	Sainless steel 316L (except cement socket PVC)
Operating pressure	0 - 87 psi
Media	Liquids, gases, suspensions, granulate or limestone
Fluid Temperature	Tube material NBR (FDA): 14°F up to 176°F (short-duration, steam +266°F*)
	Tube material FKM: 14°F up to 266°F
	Tube material EPDM (FDA): 14°F up to 203°F (short-duration, steam +266°F*)
Ambient temperature	5°F up to 140°F

*short-duration rise of temperature only when the valve is fully open

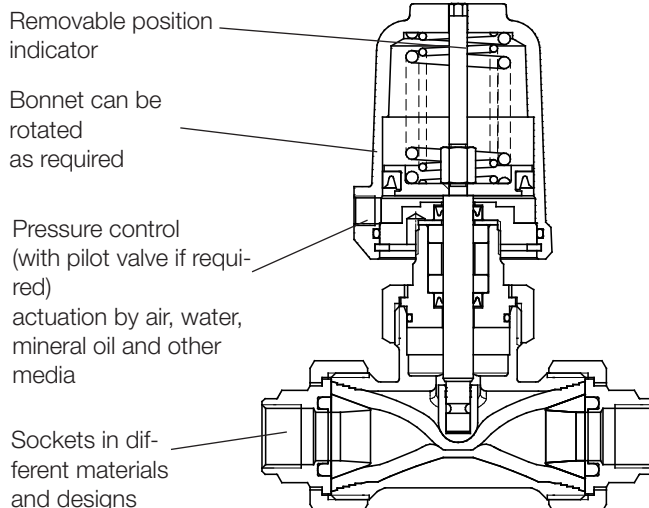


Options

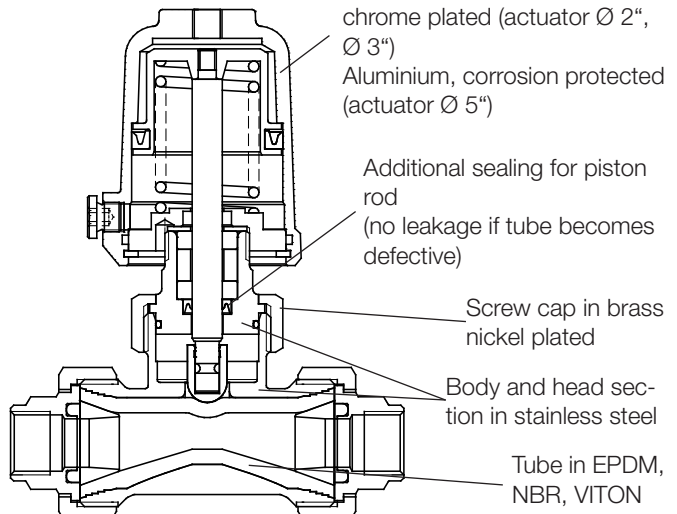
e.g.:

- digital position indicator Typ 2040
- limit switches
 - inductive proximativ switch
 - elektrical switches
 - pneumatic switches
- pilot valves
- additional manual override
- silicon free version

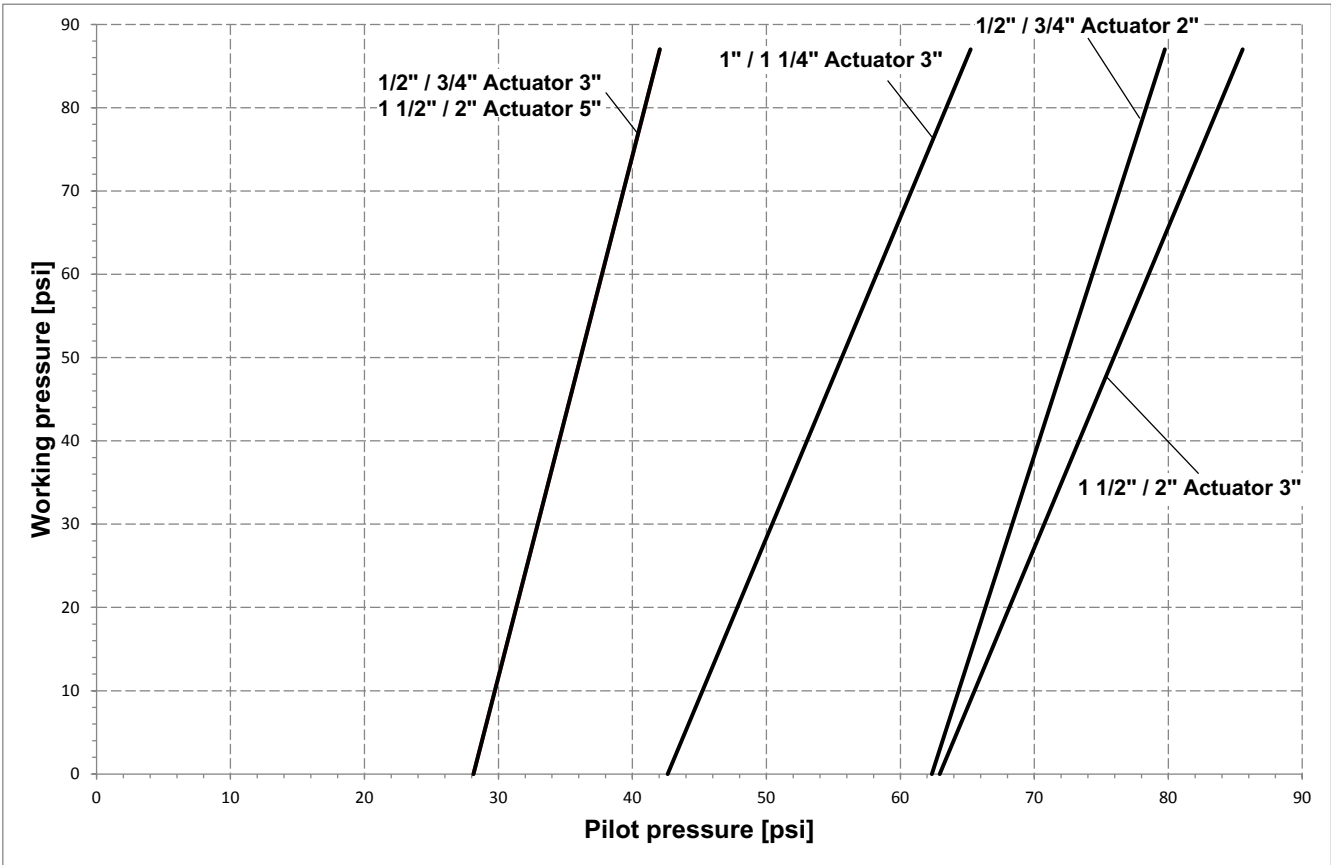
Normally closed



Normally open



Pinch valve normally open



For maximum tube life, use pilot pressure slightly above minimum indicated for the working pressure.

Pinch valve normally closed

Size	Tube material	Max. working pressure (psi)	Pilot pressure (psi)	Actuator size inch	Springs
1/2" / 3/4"	EPDM	43	64 - 145	2"	2
	NBR				
	FKM				
	EPDM	87	81 - 145	2"	3
	NBR				
	FKM				
	EPDM	87	51 - 145	3"	1
	NBR				
FKM					
1" / 1 1/4"	EPDM	58	51 - 145	3"	1
	NBR	87			
	FKM				
	EPDM	87	64 - 145	3"	2
	NBR				
	FKM				

Size	Tube material	Max. working pressure	Pilot pressure	Actuator size	Springs
		(psi)	(psi)	inch	
1 1/2" / 2"	NBR	29	64 - 145	3"	2
	FKM				
	NBR	43	81 - 145	3"	3
	FKM				
	EPDM	29	32 - 145	5"	2
	NBR	58			
	FKM				
	NBR	72	45 - 145	5"	3
FKM					

=Standard

minimum working pressure 8 psi

Ordering Number System

Figure 6-10 Valve Part Numbering System

The diagram illustrates the Valve Part Numbering System, showing a sequence of 12 positions:

7 0 7 8 / V 1 2 3 4 5 6 7 8 9 10 11 12 S

The first four digits (7 0 7 8) represent the Model. The next two digits (V) represent the Size.

The remaining digits (1 through 12) represent the Symbol, which can be:

- "V": Valve
- "A": Actuator (valve without body)
- "R": Repair kit (sealings)

1 - 6 : Please quote all 6 sections.
7 - 12: Quote only if required.

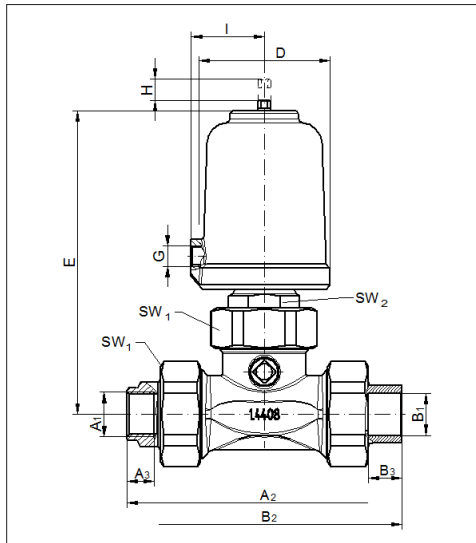
1. Design		2. Connection		3. Connecting parts	4. Tube material	5. Pilot function		6. Actuator			
8	Pinch valve	0	Pipe thread acc. DIN 2999 / ISO	-	no specifications	1	FKM (Viton)	-	without	0	Piston Ø2"
		3	Inner sticking socket	2	Stainless steel	2	EPDM	0	Spring closes	1	Piston Ø3"
		5	NPT-thread	2	Stainless steel	3	NBR	1	Spring opens	2	Piston Ø5"
		D	with welding ends acc. DIN	6	PVC			3	Double acting	5	Manually actuated
		I	with welding ends acc. ISO								
		Z	Tri-Clamp connection (inch)								

7. Springs		8.		9.		10. Temperatur version		11. Accessories		12. Special versions	
-	Standard	-	without significance	-	without significance	-	V standard Viton outer lip sealing (for higher amb- ient tempera- tures)	-	No accessories	B	Digital position indi- cator 2040, bluetooth
								1	Electrical position indicator with one switch	C	Digital position indi- cator 2040
								2	Electrical position indicator with two switches	M	Position indicator with cable bushing
								3	Manual emergency operation	N	Position indicator with plug connection
								4	Additional manual operation	S	Special versions
								5	Stroke limitation		
								6	Pilot valve 0,1", 230 V AC		
								7	Pilot valve 0,1", 24 V DC		
								K	Electr. position indicator compact		
								M	Position indicator with two ind. switch 10 - 36 V DC (PNP)		
								P	Position indicator with one ind. switch 10 - 36 V DC (PNP)		
								T	Position indicator compact, inductive 10 - 30 V DC (PNP)		

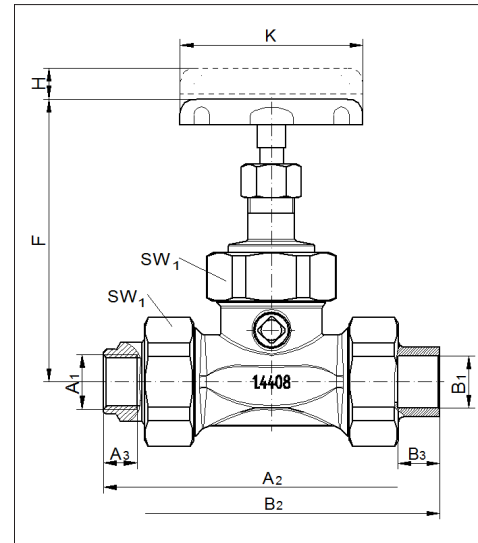
Ordering example:

7078/025V836201- - - -3
Pinch valve, size 1/4", inner sticking socket, PVC, EPDM-tube, N.C., actuator Ø 3",
manual emergency override.

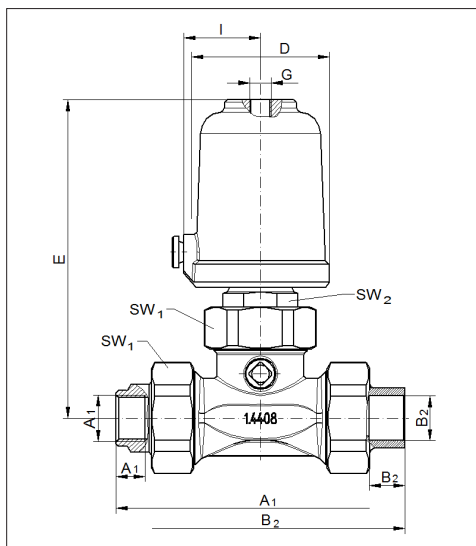
Dimensions and weights with threaded connection or inner sticking socket



Normally closed



Manually operated



Normally open

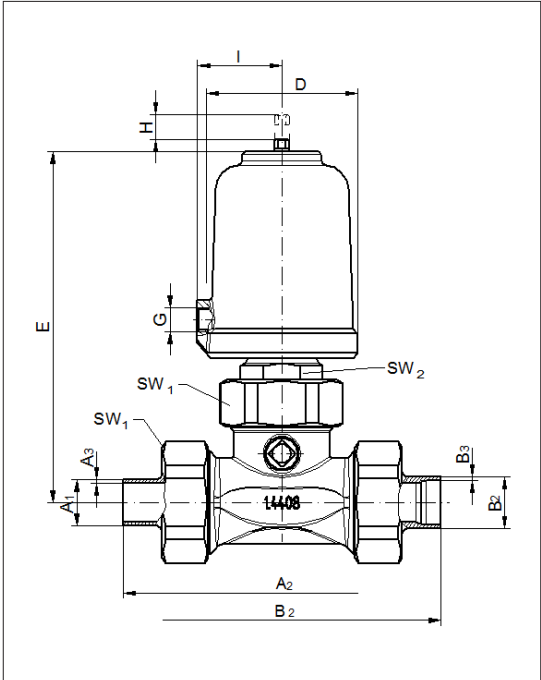
Size	Piston	Whitworth pipe thread			NPT-thread			Inner sticking socket PVC			D	E	G	I	SW1	SW2	H Stroke	Cvs- Value	Weight lbs
		A1	A2	A3	A1	A2	A3	B1	B2	B3									
1/2"	2"	Rp 1/2"	5.1	0.5	NPT 1/2"	5.2	0.6	0.8	5.1	0.6	2.4	5.7	G1/8"	1.4	1.8	1.1	0.6	14	3.7
1/2"	3"	Rp 1/2"	5.1	0.5	NPT 1/2"	5.2	0.6	0.8	5.1	0.6	3.9	7.2	G1/4"	2.2	1.8	1.1	0.6		8.2
3/4"	2"	Rp 3/4"	5.2	0.5	NPT 3/4"	5.2	0.6	1	5.4	0.7	2.4	5.7	G1/8"	1.4	1.8	1.1	0.6		4.4
3/4"	3"	Rp 3/4"	5.2	0.5	NPT 3/4"	5.2	0.2	1	5.4	0.7	3.9	7.2	G1/4"	2.2	1.8	1.1	0.6		8.8
1"	3"	Rp 1"	7.2	0.7	NPT 1"	7.2	0.7	1.3	7.5	0.9	3.9	8.5	G1/4"	2.2	2.6	1.2	0.9	28	11
1 1/4"	3"	Rp 1 1/4"	7.5	0.7	NPT 1 1/4"	7.6	0.7	1.6	7.9	1	3.9	8.5	G1/4"	2.2	2.6	1.2	0.9		11.7
1 1/2"	3"	Rp 1 1/2"	9.7	0.8	NPT 1 1/2"	9.7	0.7	2	10.1	1.2	3.9	10.2	G1/4"	2.2	3.5	1.2	1.3	97	17.4
1 1/2"	5"	Rp 1 1/2"	9.7	0.8	NPT 1 1/2"	9.7	0.7	2	10.1	1.2	5.7	11.2	G1/4"	3.1	3.5	1.2	1.3		21.2
2"	3"	Rp 2"	9.7	0.9	NPT 2"	9.7	0.7	2.5	10.7	1.5	3.9	10.2	G1/4"	2.2	3.5	1.2	1.3		18.1
2"	5"	Rp 2"	9.7	0.9	NPT 2"	9.7	0.7	2.5	10.7	1.5	5.7	11.2	G1/4"	3.1	3.5	1.2	1.3		21.8

Pinch Valve 7078

for sanitary applications



Dimensions and weights with welding ends



Normally closed

Size	Piston	Welding ends acc. to DIN			Welding ends acc. to ISO			D	E	G	I	SW1	SW2	Stroke	Cvs-value	Weight [lbs]
		A1	A2	A3	B1	B2	B3									
1/2"	2"	0.7	5.1	0.1	0.8	0.1	5.1	2.4	5.7	G1/8"	1.4	1.8	1.1	0.6	14	3.7
1/2"	3"	0.7	5.1	0.1	0.8	0.1	5.1	3.9	7.2	G1/4"	2.2	1.8	1.1	0.6		8.2
3/4"	2"	0.9	5.1	0.1	1.1	0.1	5.1	2.4	5.7	G1/8"	1.4	1.8	1.1	0.6		4.4
3/4"	3"	0.9	5.1	0.1	1.1	0.1	5.1	3.9	7.2	G1/4"	2.2	1.8	1.1	0.6	28	8.8
1"	3"	1.1	7.2	0.1	1.3	0.1	7.5	3.9	8.5	G1/4"	2.2	2.6	1.2	0.9		11
1 1/4"	3"	1.3	7.5	0.1	1.7	0.1	7.5	3.9	8.5	G1/4"	2.2	2.6	1.2	0.9		11.7
1 1/2"	3"	1.6	9.8	0.1	1.9	0.1	9.8	3.9	10.2	G1/4"	2.2	3.5	1.2	1.3	97	17.4
1 1/2"	5"	1.6	9.8	0.1	1.9	0.1	9.8	5.7	11.2	G1/4"	3.1	3.5	1.2	1.3		21.2
2"	3"	2.1	9.8	0.1	2.4	0.1	9.8	3.9	10.2	G1/4"	2.2	3.5	1.2	1.3		18.1
2"	5"	2.1	9.8	0.1	2.4	0.1	9.8	5.7	11.2	G1/4"	3.1	3.5	1.2	1.3		21.8

Dimensions in inch

Text and pictures are not binding. We reserve the right, to alter the equipment.