

Pinch Valve

1/2" up to 2"

7070



Pneumatically operated pinch valve for difficult media.

- Compact design
- Uneffected by contaminated, granulated, viscous, doughy and aggressive media
- For temperatures from +14°F up to +266°F
- Working pressure up to 90 psi
- Adjustable actuators in different sizes
- Version with manual operation
- Version with direct pneumatic operation

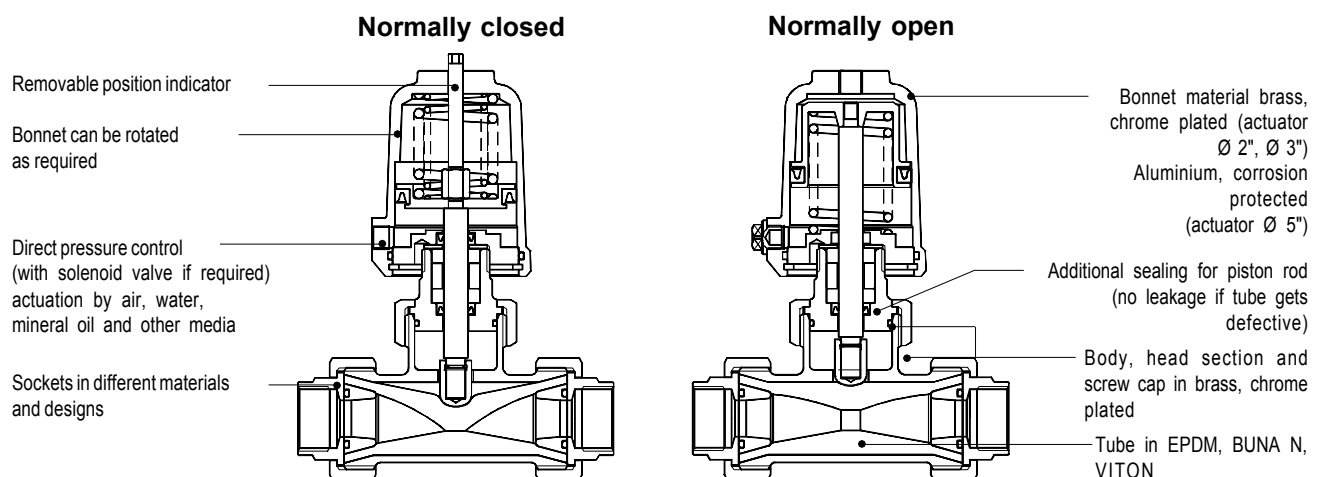
Technical Information

Nominal size	1/2" - 2"
Connections	NPT-thread Rp 1/2" - Rp2" inner sticking socket, outer sticking socket, tri-clamp
Body material	Brass chrome plated, no contact with the fluid media!
Working pressure	0 - 90 psi
Fluid temperature	Tube BUNA-N: +14°F up to +194°F VITON: +14°F up to +266°F EPDM: +14°F up to +266°F
Ambient temperature	+14°F up to +140°F
Viscosity of the fluid	max. 0,001 m ² /s (1000cSt, 132°E) also for powder and granules



Options

- limit switches
 - inductive proximity switches
 - mechanical limit switches
- solenoid valves
- manual override
- Silicon free version

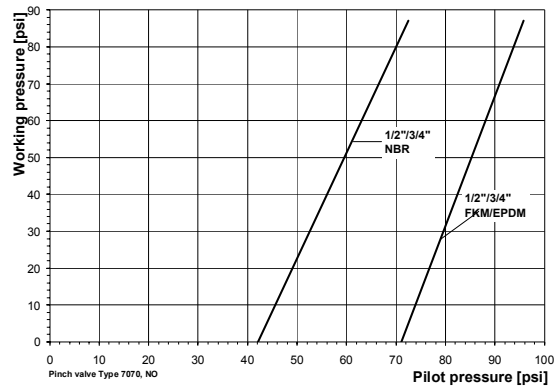


Instead of a piston actuator manual operation is available, as well as direct pneumatical operation (up to 3/4")

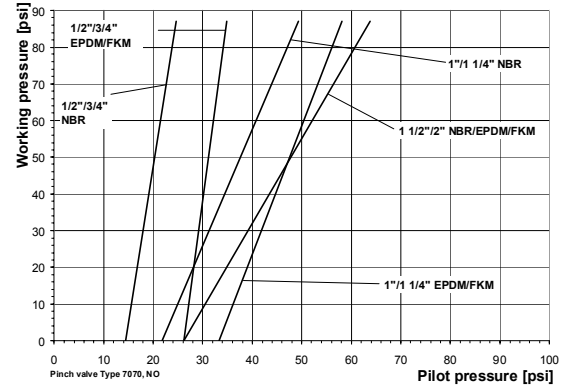
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Pinch valve normally open

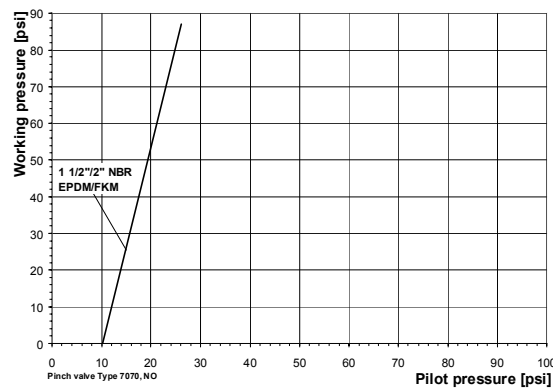
Actuator diameter 2"



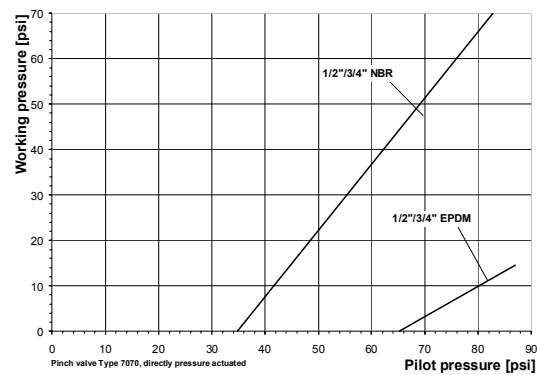
Actuator diameter 3"



Actuator diameter 5"



Pinch valve directly pressure actuated



For achieving the best possible life time the max. pressure according to the diagram should not be exceeded !

SCHUBERT SALZER
INC.

A circuit diagram consisting of a resistor (represented by a zigzag line) in series with a parallel combination. The parallel combination contains a voltage source (represented by two parallel lines of unequal length) and a current source (represented by an upward-pointing arrow). The circuit is shown with dashed lines extending to the right, indicating it is part of a larger network.

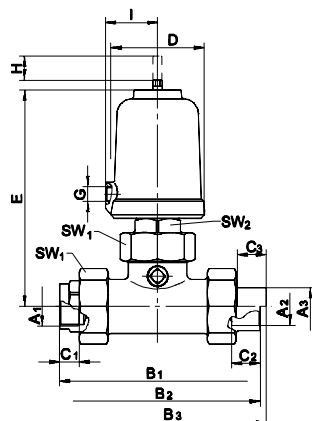
Size	Tube material	Max. working pressure psi	Pilot pressure psi	Piston Actuator diameter inch	Springs
1"/1 1/4"	BUNA-N	0 - 75	55 - 145	3"	1
1"/1 1/4"	Viton	0 - 45	55 - 145	3"	1
1 1/2"/2"	EPDM	0 - 30	55 - 145	3"	1
1 1/2"/2"	EPDM	0 - 60	65 - 145	3"	2
1 1/2"/2"	EPDM	0 - 75	85 - 145	3"	3
1 1/2"/2"	EPDM	0 - 90	35 - 145	5"	2
1 1/2"/2"	BUNA-N	0 - 30	55 - 145	3"	1
1 1/2"/2"	BUNA-N	0 - 60	65 - 145	3"	2
1 1/2"/2"	BUNA-N	0 - 90	35 - 145	5"	2
1 1/2"/2"	Viton	0 - 45	65 - 145	3"	2
1 1/2"/2"	Viton	0 - 60	85 - 145	3"	3
1 1/2"/2"	Viton	0 - 75	35 - 145	5"	2

Pinch valve, size 1", inner sticking socket, PVC, EPDM-tube, N.C., actuator diameter 3", 2 springs, manual emergency override.

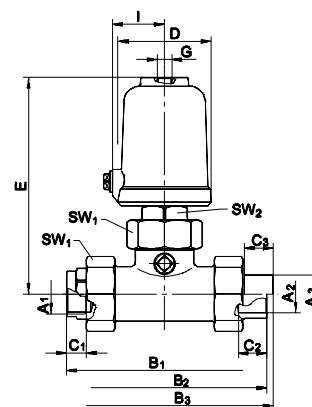
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Dimensions and Weights

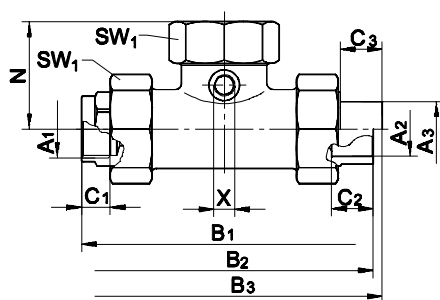
Normally closed



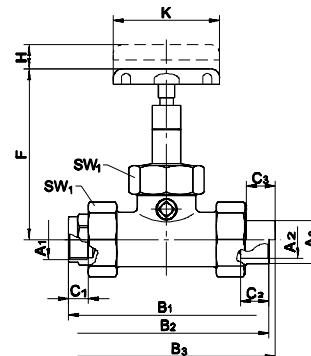
Normally open



Operated directly pneumatically



Manual operation



Orifice size	Piston Actuat.	BSP thread			Innersticking socket			Outersticking socket			D	E	G	I	SW1	SW2	H Stroke	Cv value	Weight (lbs)
		A1	B1	C1	A2	B2	C2	A3	B3	C3									
1/2"	2"	1/2"	5.12	0.51	0.79	5.12	0.63	0.79	5.43	0.63	2.44	5.67	G 1/8"	1.36	1.81	1.06	0.39	14.5	3.7
1/2"	3"	1/2"	5.12	0.51	0.79	5.12	0.63	0.79	5.43	0.63	3.86	7.2	G 1/4"	2.17	1.81	1.06	0.39	14.5	8.1
3/4"	2"	3/4"	5.12	0.51	0.98	5.35	0.75	0.98	5.67	0.75	2.44	5.67	G 1/8"	1.36	1.81	1.06	0.39	14.5	4.4
3/4"	3"	3/4"	5.12	0.51	0.98	5.35	0.75	0.98	5.67	0.75	3.86	7.2	G 1/4"	2.17	1.81	1.06	0.39	14.5	8.8
1"	3"	1"	7.24	0.71	1.26	7.48	0.87	1.26	7.99	0.87	3.86	8.46	G 1/4"	2.17	2.56	1.18	0.71	52.2	11
1 1/4"	3"	1 1/4"	7.4	0.71	1.57	7.87	1.02	1.57	8.31	1.02	3.86	8.46	G 1/4"	2.17	2.56	1.18	0.71	52.2	11.7
1 1/2"	3"	1 1/2"	9.69	0.79	1.97	10.08	1.22	1.97	10.71	1.22	3.86	9.45	G 1/4"	2.17	3.46	1.18	0.98	85.8	17.4
1 1/2"	5"	1 1/2"	9.69	0.79	1.97	10.08	1.22	1.97	10.71	1.22	5.75	10.35	G 1/4"	3.15	3.46	1.18	0.98	85.8	21.1
2"	3"	2"	9.69	0.87	2.48	10.71	1.5	2.48	11.26	1.5	3.86	9.45	G 1/4"	2.17	3.46	1.18	0.98	85.8	18
2"	5"	2"	9.69	0.87	2.48	10.71	1.5	2.48	11.26	1.5	5.75	10.35	G 1/4"	3.15	3.46	1.18	0.98	85.8	21.8

DN	F	K	N	X
1/2"	4,35	2,75	2,00	G1/8"
3/4"	4,35	2,75	2,00	G1/8"
1"	5,90	3,95	-	-
1 1/4"	5,90	3,95	-	-
1 1/2"	7,95	3,95	-	-
2"	7,95	3,95	-	-

Dimensions in inch