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
- Uneffected 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

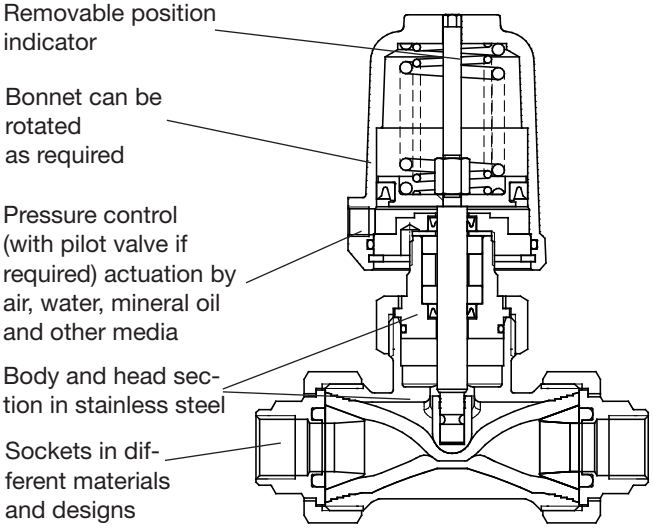
Nominal Sizes	1/2“ up to 2“	
Connections	Pipe threats nach ISO 228-1	
	NPT-treats	
	Inner sticking socket PVC	
	Welding ends acc. to DIN or ISO	
	Tri-Clamp-connector (inch)	
Body material	Stainless steel CF8M, no contact with the fluid	
Material in contact with the fluid	Stainless steel 316L (except 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*)
	Tube material SBR:	-22°F up to +176°F
Ambient temperature	+5°F bis +140°F (special versions from -40°F up to +212°F)	

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

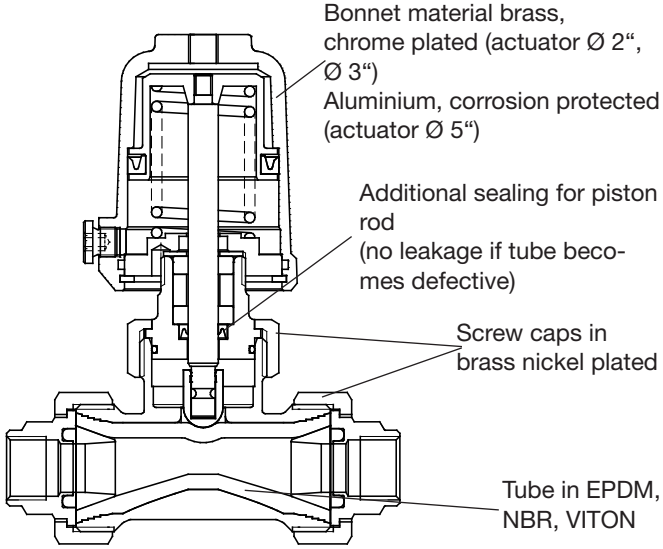
Options

e.g.:
- limit switches
  - induktive proximitiv switch
  - elektrical switches
  - pneumatic switches
- pilot valves
- additional manual override
- silicon free version

Normally closed



Normally open



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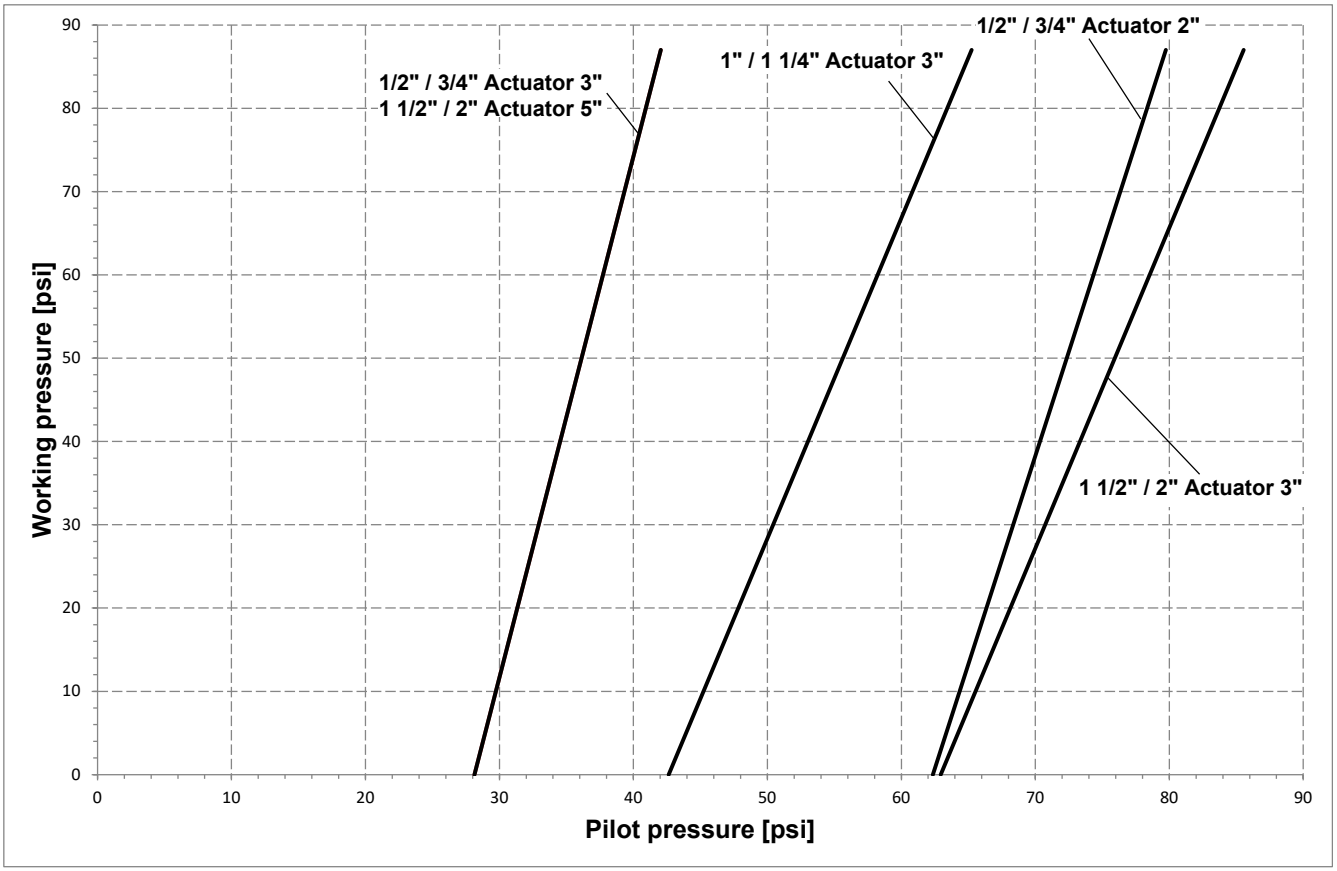
SCHUBERT SALZER

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				
	SBR	58			
	EPDM	87	81 - 145	2“	3
	NBR				
	FKM				
	SBR				
	EPDM	87	51 - 145	3“	1
	NBR				
	FKM				
	SBR				
1“/1 1/4“	EPDM	58	51 - 145	3“	1
	NBR	87			
	FKM				
	SBR	43			
	EPDM	87	64 - 145	3“	2
	NBR				
	FKM				
	SBR				

Size	Tube material	Max. working pressure (psi)	Pilot pressure (psi)	Actuator size inch	Springs
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				
	EPDM	72	45 - 145	5“	3
	NBR				
	FKM				
	SBR	43			

=Standard

mimimum working pressure 8 psi

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Selection of tube quality

Permissible media temperature

	EPDM	NBR	Viton	SBR
T max °C	203	176	266	176
T min °C	-22	-4	14	-22

Resistance*

	EPDM	NBR	Viton	SBR
Wastewater	A	A	A	A
Ammonia (liquid)	A	B	C	B
Ammonia (gaseous)	A	B	C	B
Malic acid	B	A	A	B
Brake fluid	A	C	C	B
Benzine	C	B	A	B
Beer	A	A	A	C
Bleach liquor	A	C	A	C
Butter	B	A	A	C
Buttermilk	B	C	A	C
Chlorine	B	C	A	C
Saturated steam	A	C	B	C
Diesel	C	A	A	C
Peanut oil	C	A	A	C
Vinegar	A	B	B	C
Greases (from animals/plants)	C	A	A	C
Fatty acids	C	B	A	C
Fish oil	B	A	A	C
Fruit juices	A	A	A	C
Milk of lime	B	B	B	A
Cocoa butter	C	C	A	C
Carbonic acid	A	A	A	C
Coconut oil	C	A	A	C
Air with solid particles	B	B	C	A
Corn oil	C	A	A	C
Margarine	C	A	A	C
Caustic soda	A	B	B	C
Nut oil	C	A	A	C
Rapeseed oil	A	B	A	C
Water with solid particles	B	B	C	A
Detergent	A	A	A	C
Citric acid	A	A	A	C

*In the case of information on resistance, this is only a recommendation, errors and omissions excepted (no liability accepted)

A: suitable / resistant

B: conditionally suitable

C: not suitable

Approvals

	EPDM	NBR	Viton	SBR
FDA	x	x		
BfR	x	x		
EG 1935/2004/CE		x		
EN ISO 3861				x

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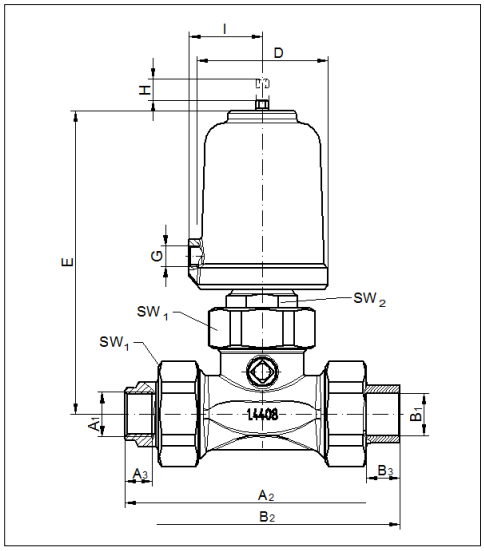
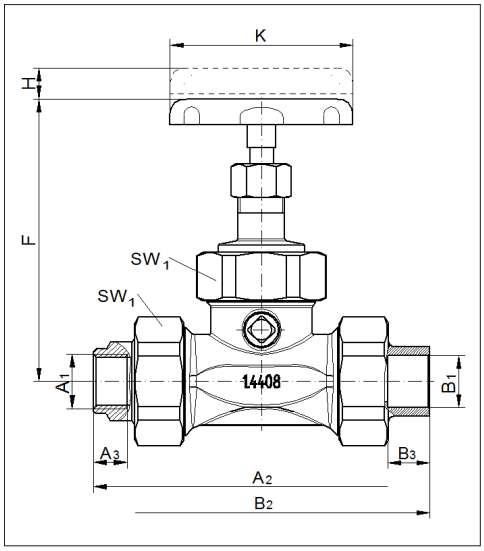
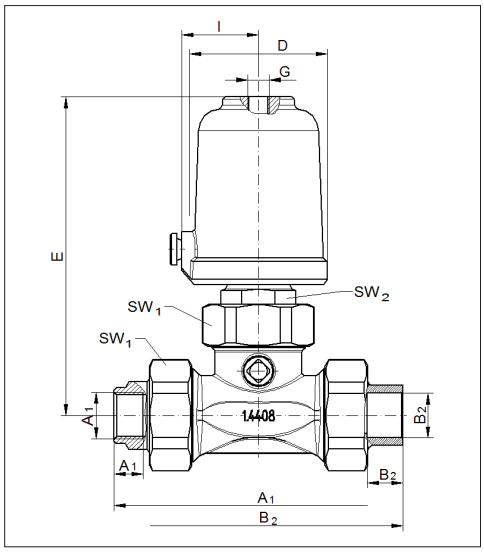
Dimensions and weights with threated connection or inner sticking socket



Normally closed



Manually operated



Normally open

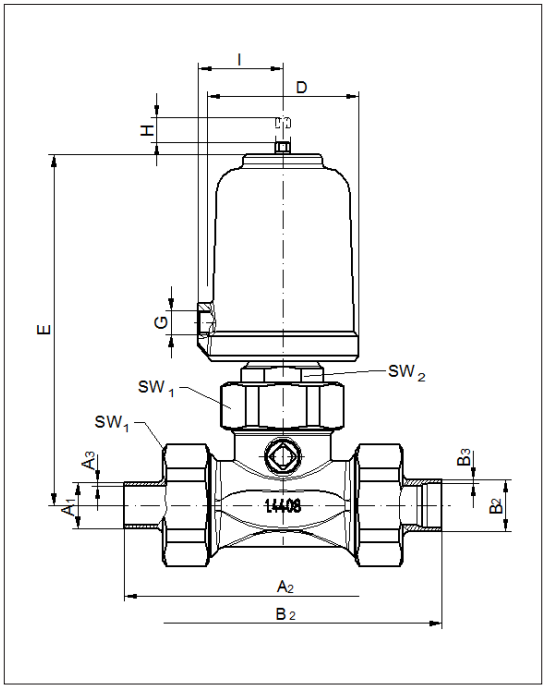
Size	Piston	Whitworth pipe threat			NPT-threat			Inner sticking socket PVC			D	E	G	I	SW1	SW2	H Stroke	Cvs-Value	Weight lbs
		A1	A2	A3	A1	A2	A3	B1	B2	B3									
1/2“	2“	Rp 1/2“	5.1	0.5	NPT 1/2“	5.2	0.6	0.8	5.1	0.6	2.4	5.7	G1/8“	1.4	1.8	1.1	0.6	11	3.7
1/2“	3“	Rp 1/2“	5.1	0.5	NPT 1/2“	5.2	0.6	0.8	5.1	0.6	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	17	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	81	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

Dimensions in inch

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		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	11	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		8.8
1“	3“	1.1	7.5	0.1	1.3	0.1	7.5	3.9	8.5	G1/4“	2.2	2.6	1.2	0.9	17	11
1 1/4“	3“	1.4	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		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	81	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.