

Pinch Valve 7078

DN 15 up to DN 50



SCHUBERT & SALZER
**CONTROL
SYSTEMS**

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 6 bar

Technical data

Nominal Sizes	DN 15 up to DN 50
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 1.4408, no contact with the fluid
Material in contact with the fluid	Sainless steel 1.4435 (except cement socket PVC)
Nominal pressure	PN 6
Operating pressure	0 - 6 bar
Media	Liquids, gases, suspensions, granulate or limestone
Fluid Temperature	Tube material NBR (FDA): -20°C bis +80°C (short-duration, steam +130°C*)
	Tube material FKM: -10°C bis +130°C
	Tube material EPDM (FDA): -30°C bis +95°C (short-duration, steam +130°C*)
Ambient temperature	-15°C up to +60°C

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



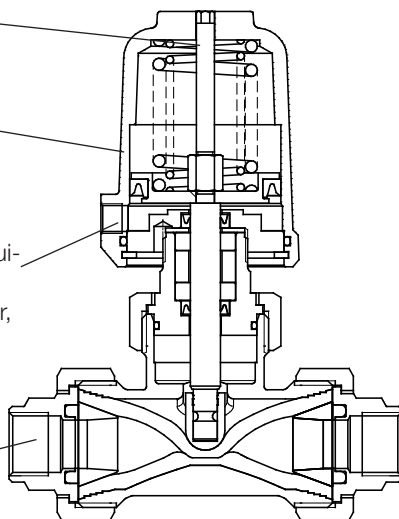
Options

e.g.:

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

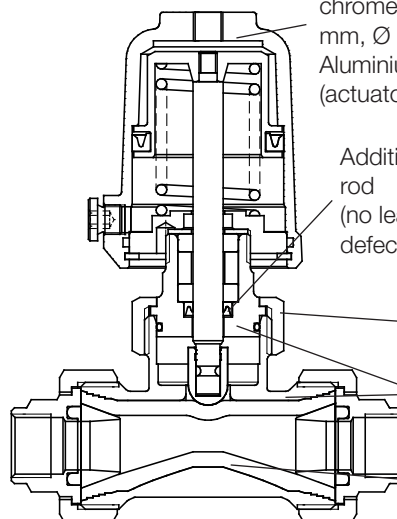
Normally closed

- Removable position indicator
- Bonnet can be rotated as required
- Pressure control (with pilot valve if required)
actuation by air, water, mineral oil and other media
- Sockets in different materials and designs

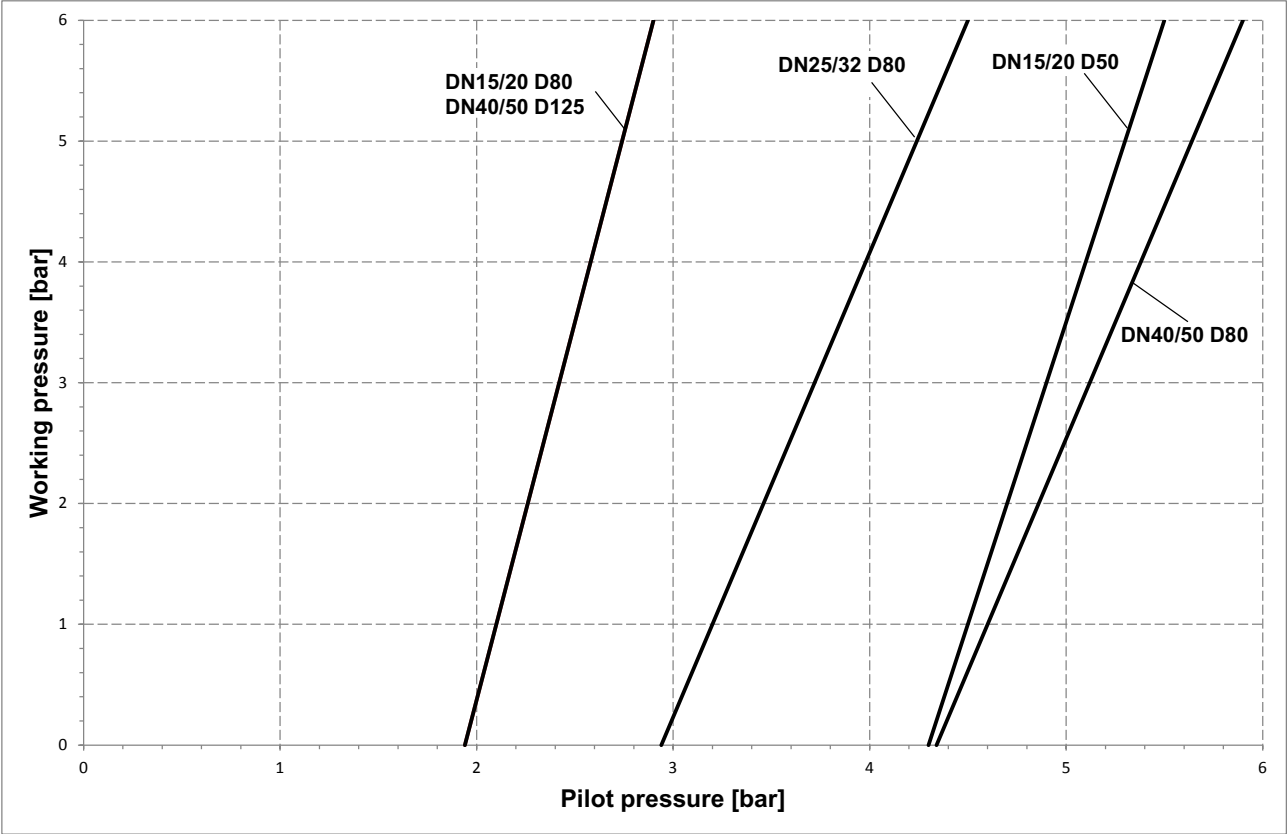


Normally open

- Bonnet material brass, chrome plated (actuator Ø 50 mm, Ø 80 mm)
Aluminium, corrosion protected (actuator Ø 125 mm)
- Additional sealing for piston rod (no leakage if tube becomes defective)
- Screw cap in brass nickel plated
- Body and head section in stainless steel
- Tube in EPDM, NBR, VITON



Pinch valve normally open



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

Pinch Valve 7078

Pinch valve normally closed

DN	Tube material	Max. working pressure (bar)	Pilot pressure (bar)	Actuator size (mm)	springs
15 / 20	EPDM	3	4,4 -10	50	2
	NBR				
	FKM				
	EPDM	6	5,6 -10	50	3
	NBR				
	FKM				
	EPDM	6	3,5 - 10	80	1
NBR					
FKM					
25 / 32	EPDM	4	3,5 - 10	80	1
	NBR	6			
	FKM				
	EPDM	6	4,4 -10	80	2
	NBR				
FKM					

DN	Tube material	Max. working pressure (bar)	Pilot pressure (bar)	Actuator size (mm)	springs
40 / 50	NBR	2	4,4 - 10	80	2
	FKM				
	NBR	3	5,6 - 10	80	3
	FKM				
	EPDM	2			
	NBR	4	2,2 - 10	125	2
	FKM				
	NBR	5	3,1 - 10	125	3
FKM					

=Standard

minimum working pressure 0,5 bar

Ordering Number System

[illegible]

1 - 6 : Please quote all 6 sections.

7 - 12: Quote only if required.




Type Size

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

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 228	-	no specifications	-	without	-	without	0	Piston Ø50mm
		3	Inner sticking socket	2	Stainless steel	1	FKM (Viton)	0	Spring closes	1	Piston Ø80mm
		5	NPT-thread			2	EPDM	1	Spring opens	2	Piston Ø125mm
		D	with welding ends acc. DIN	6	PVC	3	NBR	3	Double acting	5	Manually actuated
		I	with welding ends acc. ISO								
		Z	Tri-Clamp connection (inch)								

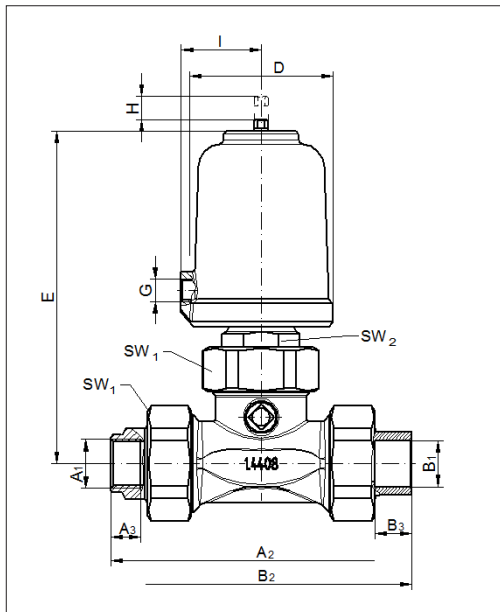
7. Springs		8.		9.		10. Temperatur version		11. Accessories		12. Special versions	
-	Standard	-	without significance	-	without significance	-	standard V Viton outer lip sealing (for higher ambient temperatures)	-	No accessories	B	Digital position indicator 2040, bluetooth
								1	Electrical position indicator with one switch	C	Digital position indicator 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 DN 2, 230 V AC		
								7	Pilot valve DN 2, 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:

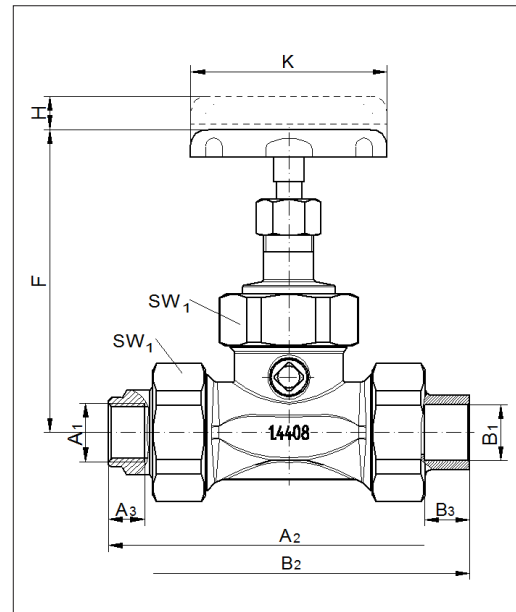
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Pinch valve, size DN 25, inner sticking socket, PVC, EPDM-tube, N.C., actuator Ø 80 mm, manual emergency override.

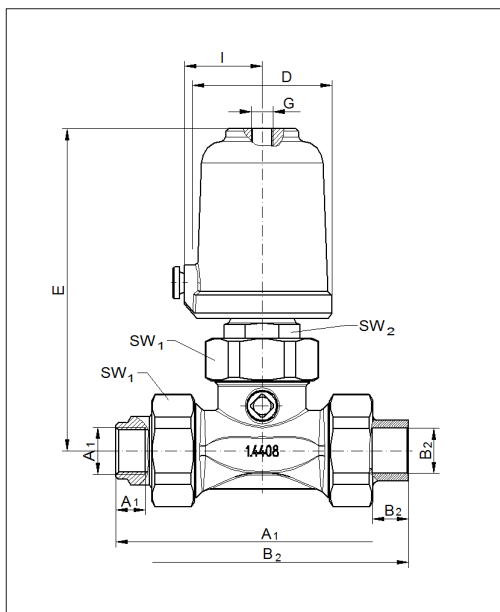
Dimensions and weights with threaded connection or inner sticking socket



Normally closed



Manually operated

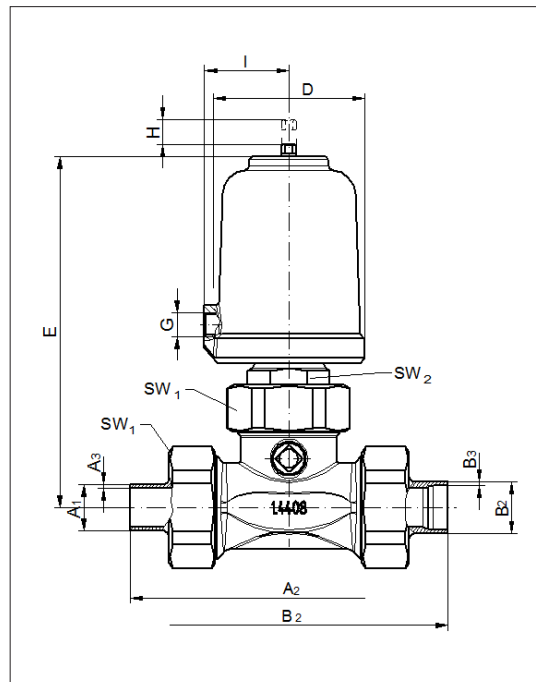


Normally open

DN	Piston	Whitworth pipe thread			NPT-thread			Inner sticking socket PVC			D	E	G	I	SW1	SW2	H Stroke	Kvs- Value	Weight kg
		A1	A2	A3	A1	A2	A3	B1	B2	B3									
15	50	Rp 1/2"	130	13	NPT 1/2"	132	15	20	130	16	62	144	G1/8"	35	46	27	16	12,5	1,7
15	80	Rp 1/2"	130	13	NPT 1/2"	132	15	20	130	16	98	183	G1/4"	55	46	27	16		3,7
20	50	Rp 3/4"	132	13	NPT 3/4"	132	15	25	136	19	62	144	G1/8"	35	46	27	16		2
20	80	Rp 3/4"	132	13	NPT 3/4"	132	6	25	136	19	98	183	G1/4"	55	46	27	16		4
25	80	Rp 1"	184	18	NPT 1"	182	18	32	190	22	98	215	G1/4"	55	65	30	22	24	5
32	80	Rp 1 1/4"	190	18	NPT 1 1/4"	194	19	40	200	26	98	215	G1/4"	55	65	30	22		5,3
40	80	Rp 1 1/2"	246	20	NPT 1 1/2"	246	18	50	256	31	98	260	G1/4"	55	88	30	34	84	7,9
40	125	Rp 1 1/2"	246	20	NPT 1 1/2"	246	18	50	256	31	146	285	G1/4"	80	88	30	34		9,6
50	80	Rp 2"	246	22	NPT 2"	246	19	63	272	38	98	260	G1/4"	55	88	30	34		8,2
50	125	Rp 2"	246	22	NPT 2"	246	19	63	272	38	146	285	G1/4"	80	88	30	34		9,9

Dimensions in mm

Dimensions and weights with welding ends



Normally closed

DN	Piston	Welding ends acc. to DIN			Welding ends acc. to ISO			D	E	G	I	SW1	SW2	Stroke	Kvs-value	Weight [kg]
		A1	A2	A3	B1	B2	B3									
15	50	19	130	1,5	21,3	1,6	130	62	144	G1/8"	35	46	27	16	12,5	1,7
15	80	19	130	1,5	21,3	1,6	130	98	183	G1/4"	55	46	27	16		3,7
20	50	23	130	1,5	26,9	1,6	130	62	144	G1/8"	35	46	27	16		2
20	80	23	130	1,5	26,9	1,6	130	98	183	G1/4"	55	46	27	16		4
25	80	29	184	1,5	33,7	2	190	98	215	G1/4"	55	65	30	22	24	5
32	80	32	190	1,5	42,4	2	190	98	215	G1/4"	55	65	30	22		5,3
40	80	41	250	1,5	48,3	2	250	98	260	G1/4"	55	88	30	34	84	7,9
40	125	41	250	1,5	48,3	2	250	146	285	G1/4"	80	88	30	34		9,6
50	80	53	250	1,5	60,3	2	250	98	260	G1/4"	55	88	30	34		8,2
50	125	53	250	1,5	60,3	2	250	146	285	G1/4"	80	88	30	34		9,9

Dimensions in mm