

Pinch Control Valve 7075

for sanitary applications 1/2" up to 2"



Pneumatically operated pinch valve for difficult media.

- Compact design
- Unaffected by contaminated, granulated, viscous, doughy and aggressive media
- Integrated positioner
 - pneumatic
 - electropneumatic
 - digital



Positioner

	Digital positioner Type 8048	i/p-positioner Type 8047	p/p-positioner Type 8047
Input signal range	0/4 - 20 mA, 0/2 - 10 V	0/4 - 20 mA, 0/2 - 10 V	0,2 - 1 bar
Supply voltage, electrical	24 V DC, maximum 10 W	none	none
Supply air pressure	max. 87 psi	max. 87 psi	max. 87 psi
Hysteresis	< 0,5 %	< 1 %	< 1 %
Rangeability	15 : 1	15 : 1	15 : 1
Characteristics	linear, equal percentage, user-defined, process optimized*	Characteristics of function unit	Characteristics of function unit
Adjustment (Stroke, zero point)	self-adapting	mechanical	mechanical
Ambient temperature	-4°F up to +167°F	-4°F up to +140°F	-4°F up to +176°F
Protection class acc. DIN 40050	IP65	IP 54	IP 54
Ex-proof (Optional)	-	Ex II 2 G EEx ib IIC T6 up to 113°F Ex II 2 G EEx ib IIC T5 up to 140°F	-

*Produces a linear process flow characteristic for optimal control. After entering a few process data points (e.g. upstream and downstream pressures) the optimised flow characteristic is calculated by the positioner configuration software and stored in the positioner memory.

Digital Positioner Type 8049

Version	4-wire	2-wire	AS-I
Set point signal	0/4 - 20 mA	4 - 20 mA	Single Slave, Slave Profil S - 7.3.4
Burden voltage	1,2 V	14 V	-
Supply energy, electrical	24 VDC	none	supply with AS-I
Adaption to range and zero	self-calibrating		
Configuration	with PC-Software		
Air capacity* to actuator	1.75 SCFM	varies with design	1.75 SCFM
System air consumption	none		
Ambient temperature limits	-4 to +167°F	-14 to +167°F	-4 to +167°F
Supply connection	NPT 1/8"		
Class of protection	IP 65		
Accessories	Analogue feedback module RM-1 2 wire design, feedback signal 4 - 20 mA		

SCHUBERT SALZER
INC.

DN	Tube material	Max. working pressure**	Pilot pressure	Actuator size	Cv
		psi	psi	inch	
1/2" / 3/4"	EPDM	45	60 - 90	3"	9
1/2" / 3/4"	NBR	45	60 - 90	3"	9
1/2" / 3/4"	FKM	45	60 - 90	3"	9
1/2" / 3/4"	EPDM*	45	60 - 90	3"	9
1" / 1 1/4"	EPDM	45	60 - 90	3"	43
1" / 1 1/4"	NBR	45	60 - 90	3"	43
1" / 1 1/4"	FKM	35	60 - 90	3"	43
1" / 1 1/4"	EPDM*	35	60 - 90	3"	43
1 1/2" / 2"	EPDM	15	60 - 90	3"	75
1 1/2" / 2"	EPDM	45	45 - 90	5"	75
1 1/2" / 2"	NBR	15	60 - 90	3"	75
1 1/2" / 2"	NBR	45	45 - 90	5"	75
1 1/2" / 2"	FKM	35	45 - 90	5"	75
1 1/2" / 2"	EPDM*	35	45 - 90	5"	75

** admissible pressure difference 30 psi

7	0	7	5	/				V														S
Type				Size				Symbol: "V": Valve "A": Actuator (valve w without body) "R": Repair kit (sealings)														

7 - 12: Quote only if required.

1. Design		2. Connection		3. Connecting parts		4. Tube material		5. Positioner		6. Actuator		7. Springs	
8	Pinch control valve Type 7075	Z	Welding ends acc. Inch	2	Stainless steel	1	FKM (Viton)	6	p/p positioner Type 8047	8	Piston 3" (Ø80 mm)	-	w ithout significance
						2	EPDM	7	i/p positioner Type 8047	9	Piston 5" (Ø125 mm)	1	spring to open (only w ith dig. positioner)
						3	BUNA-N (NBR)	8	ditto, w ith plug connec. M12x1 Type 8047				
						7	EPDM (food grade)	9	ditto, Eex ibll CT6 plug connection M12x1 Type 8047				
								A	digital positioner w ith process controller 8048 IPC				
								C	digital positioner, Type 8049, 4 w ire				
								D	digital positioner, Type 8048 IP65 + pos. indic.				
								R	digital positioner Type 8049, 2 w ire				
								T	digital positioner Type 8049, AS-i version				

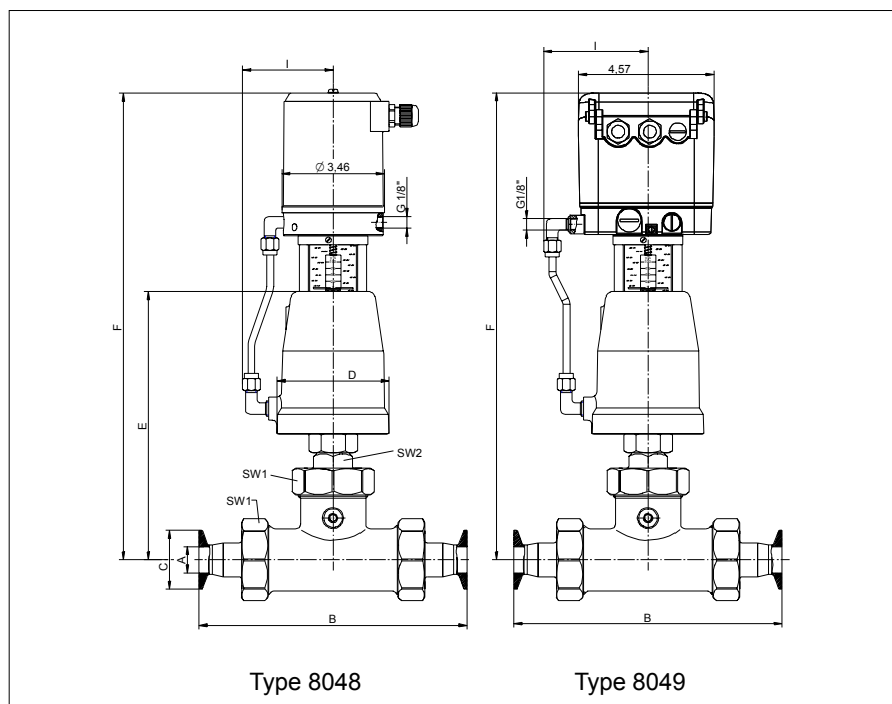
8. Characteristic		9.		10.		11. Accessories		12. Special versions		13. Sealings		14. Position indicator	
-	mod. linear	-	w ithout significance	-	w ithout significance	6	Plot valve DN2, 230 VAC	S	Quote for special versions	-	Standard	-	w ithout position w ith position indicator
						7	Plot valve DN2, 24 VDC					0	

Ordering Example:	7075/025V8Z27D8-----S-0 Pinch control valve type 7075, nominal size 1",Tri-Clamp, connecting parts stainless steel, tube material EPDM (food grade), digital positioner type 8048, actuator 3" (NPT), with position indicator
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Pinch Control Valve 7075

for sanitary applications

Dimensions and Weights



DN	Piston	Welding ends acc. DIN		Welding ends acc. ISO		B	D	E	G	SW1	SW2	Stroke	Cv-value	Type 8048	Type 8049
		A1	A2	A2	A2									weight lbs	weigh lbs
1/2"	3"	0.63	0.75	0.71	0.84	5.12	3.86	7.2	1/4"	1.81	1.06	0.39	14.5	11	12
3/4"	3"	0.79	0.91	0.93	1.06	5.35	3.86	7.2	1/4"	1.81	1.06	0.39	14.5	12	12.5
1"	3"	1.02	1.14	1.17	1.33	7.48	3.86	8.46	1/4"	2.56	1.18	0.71	52.2	14	14.5
1 1/4"	3"	1.26	1.38	1.51	1.67	7.87	3.86	8.46	1/4"	2.56	1.18	0.71	52.2	14	15
1 1/2"	3"	1.5	1.61	1.74	1.9	10.08	3.86	9.45	1/4"	3.46	1.18	0.98	85.8	20.5	21
1 1/2"	5"	1.5	1.61	1.74	1.9	10.08	5.75	10.35	1/4"	3.46	1.18	0.98	85.8	25	25.5
2"	3"	1.97	2.09	2.22	2.37	10.71	3.86	9.45	1/4"	3.46	1.18	0.98	85.8	21	22
2"	5"	1.97	2.09	2.22	2.37	10.71	5.75	10.35	1/4"	3.46	1.18	0.98	85.8	25.5	26.5

DN	Piston	F		I	
		Type 8048	Type 8049	Type 8048	Type 8049
1/2"	3"	13.9	13.74	3.15	3.54
3/4"	3"	13.9	13.74	3.15	3.54
1"	3"	15.16	15	3.15	3.54
1 1/4"	3"	15.16	15	3.15	3.54
1 1/2"	3"	16.14	15.98	3.15	3.54
1 1/2"	5"	17.05	16.93	4.13	4.13
2"	3"	16.14	15.98	3.15	3.54
2"	5"	17.05	16.93	4.13	4.13

Dimensions in inch