

Pinch Control Valve 7073

with integrated positioner 1/2" up to 2"



Pneumatically operated control valve for the control of difficult and highly aggressive media.

- Uneffected by contaminated, viscous or doughy 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		



**90 psi supply air

4601 Corporate Drive N.W., Suite 100 Concord, NC 28027
 Ph. (704) 789-0169 (877) 414-9664 Fax (704) 792-9783
www.schubertsalzerinc.com info@schubertsalzerinc.com

SCHUBERT SALZER
INC.

DN	Tube material	Max. working pressure*	Pilot pressure	Actuator size	Cv value
		(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" / 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 1/2" / 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 2 3 4 5 6 7 8 9 10 11 12

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Model Size

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

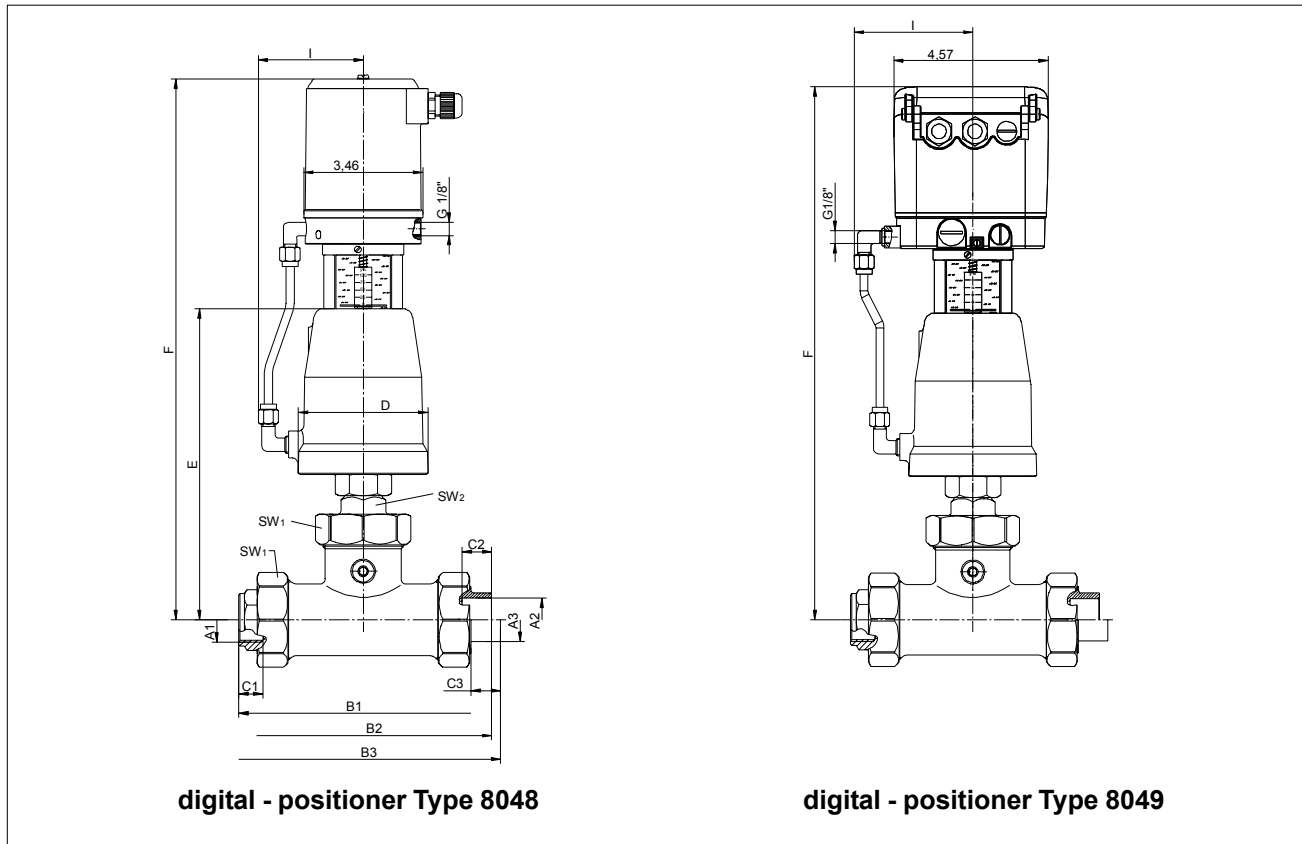
1. Design		2. Connection		3. Connecting parts		4. Tube material		5. Positioner		6. Actuator		7. Springs	
8	Pinch control valve Type 7073	5	NPT-thread	2	Stainless steel	1	FKM (Viton)	6	p/p positioner Type 8047	6	Piston 3" (NPT)	-	without significance
						2	EPDM	7	i/p positioner Type 8047	9	Piston 5" (NPT)		
						3	BUNA-N	8	ditto, with plug connection, M12x1 Type 8047				
								9	ditto, II 2 G EEx ib IIC T6 plug connec. M12x1 Type 8047				
								A	digital positioner with controller Type 8048 IPC				
								C	digital positioner, Type 8049, 4 wire				
								D	digital positioner, Type 8048 IP65 + pos.indic.				
								R	digital positioner, Type 8049, 2 wire				
								T	digital positioner, Type 8049, AS-i version				
8. Characteristic		9.		10.		11. Accessories		12. Special versions		13. Seal		14. Position indicator	
-	mod. linear	-	without significance	-	without significance	6	Plot valve DN2, 230 VAC	S	Quote for special versions	-	Standard	0	with position indicator
						7	Plot valve DN2, 24 VDC						

Ordering Example:	7073/025V8522D6-----S-0 Pinch control valve type 7073, nominal size 1", NPT-thread, connecting parts stainless steel, tube material EPDM, digital positioner, actuator 3" (NPT), with position indicator
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Pinch Control Valve 7073

with integrated positioner

Dimensions and Weights



DN	Actuator	Rp/NPT	Whitworth-thread		NPT-thread		Innersticking socket			Outersticking socket			D	E	G	SW1	SW2	Stroke	Cv-Value	Weight
		A1	B1	C1	B1	C1	A2	B2	C2	A3	B3	C3								
1/2"	3"	1/2"	5.12	0.51	5.2	0.59	0.79	5.12	0.63	0.79	5.43	0.59	3.86	7.2	1/4"	1.81	1.06	0.39	14.5	11
3/4"	3"	3/4"	5.12	0.51	5.2	0.59	0.98	5.35	0.75	0.98	5.67	0.71	3.86	7.2	1/4"	1.81	1.06	0.39	14.5	12
1"	3"	1"	7.24	0.63	7.48	0.75	1.26	7.48	0.87	1.26	7.99	0.87	3.86	8.46	1/4"	2.56	1.18	0.71	52.2	14
1 1/4"	3"	1 1/4"	7.4	0.63	7.48	0.77	1.57	7.87	1.02	1.57	8.31	1.02	3.86	8.46	1/4"	2.56	1.18	0.71	52.2	14
1 1/2"	3"	1 1/4"	9.69	0.79	9.69	0.77	1.97	10.08	1.22	1.97	10.71	1.22	3.86	9.45	1/4"	3.46	1.18	0.98	85.8	20.5
1 1/2"	5"	1 1/2"	9.69	0.79	9.69	0.77	1.97	10.08	1.22	1.97	10.71	1.22	5.75	10.35	1/4"	3.46	1.18	0.98	85.8	25
2"	3"	1 1/2"	9.69	0.87	9.69	0.79	2.48	10.71	1.5	2.48	11.26	1.5	3.86	9.45	1/4"	3.46	1.18	0.98	85.8	21
2"	5"	1 1/2"	9.69	0.87	9.69	0.79	2.48	10.71	1.5	2.48	11.26	1.5	5.75	10.35	1/4"	3.46	1.18	0.98	85.8	25.5

Dimensions in inch

DN	Actuator	F	F	I	I
		8048	8049	8048	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