

Pinch Control Valve 7075

for sanitary applications DN 15 up to DN 50

SCHUBERT & SALZER
CONTROL SYSTEMS

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

- Compact design
- Unaffected 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. 6 bar	max. 6 bar	max. 6 bar
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	-20°C up to +75°C	-20°C up to +60°C	-20°C up to +80°C
Protection class acc. DIN 40050	IP65	IP 54	IP 54
Ex-proof (Optional)	-	ⓧ II 2 G EEx ib IIC T6 up to 45°C ⓧ II 2 G EEx ib IIC T5 up to 60°C	-

*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-learning		
Configuration	with PC-Software		
Air delivery*	50 NI/min.	according the version	50 NI/min.
System air consumption	none		
Ambient temperature limits	-20 up to +75°C	-10 up to +75°C	-20 up to +75°C
Supply connection	G 1/8"		
Class of protection acc. DIN 40050	IP 65		
Accessories	Analogue feedback module RM-1 2 wire design, feedback signal 4 - 20 mA		

* 6 bar supply air

Bunsenstrasse 38 85053 Ingolstadt
Tel: (0841) 9654-0 Fax: (0841) 9654-590
www.schubert-salzer.com, info.cs@schubert-salzer.com

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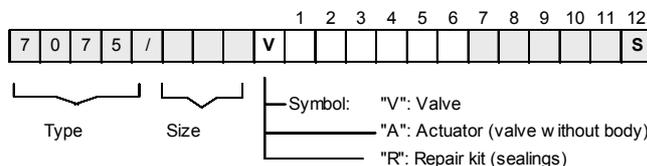
Admissible Differential Pressures

DN	Tube material	Max. working pressure**	Pilot pressure	Actuator size	Kvs
		bar	bar	mm	
15 / 20	EPDM	3	4 - 6	80	8
15 / 20	NBR	3	4 - 6	80	8
15 / 20	FKM	3	4 - 6	80	8
15 / 20	EPDM*	3	4 - 6	80	8
25 / 32	EPDM	3	4 - 6	80	37
25 / 32	NBR	3	4 - 6	80	37
25 / 32	FKM	2,5	4 - 6	80	37
25 / 32	EPDM*	2,5	4 - 6	80	37
40 / 50	EPDM	1	4 - 6	80	65
40 / 50	EPDM	3	3 - 6	125	65
40 / 50	NBR	1	4 - 6	80	65
40 / 50	NBR	3	3 - 6	125	65
40 / 50	FKM	2,5	3 - 6	125	65
40 / 50	EPDM*	2,5	3 - 6	125	65

* food grade quality

** admissible pressure difference 2 bar

Ordering Number System



1 - 6 : Please quote all 6 sections.

7 - 12: Quote only if required.

1. Design	2. Connection	3. Connecting parts	4. Tube material	5. Positioner	6. Actuator	7. Springs
8 Pinch valve Type 7075	D Welding ends acc. DIN I Welding ends acc. Z Tri-Clamp acc. Inch	2 Stainless steel	1 FKM (Viton) 2 EPDM 3 NBR (Buna-N) 7 EPDM (food)	6 p/p positioner Type 8047 7 i/p positioner Type 8047 8 ditto, with plug connec. M12x1 Type 8047 9 ditto, EEx ibll CT6 plug connection M12x1 Type 8047 A digital positioner with ccess controller 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	1 Piston Ø80mm 2 Piston Ø125mm M Plastic bonnet for piston Ø80mm	- without significance spring to open (only with dig. positioner) 1

8. Characteristic	9.	10.	11. Accessories	12. Special versions	13. Sealings	14. Position indicator
- mod. linear	- without significance	- without significance	- without accessories 6 Pilot valve DN2, 230 VAC 7 Pilot valve DN2, 24 VDC	S Quote for special versions	- Standard	- without pos. indicator 0 with position indicator

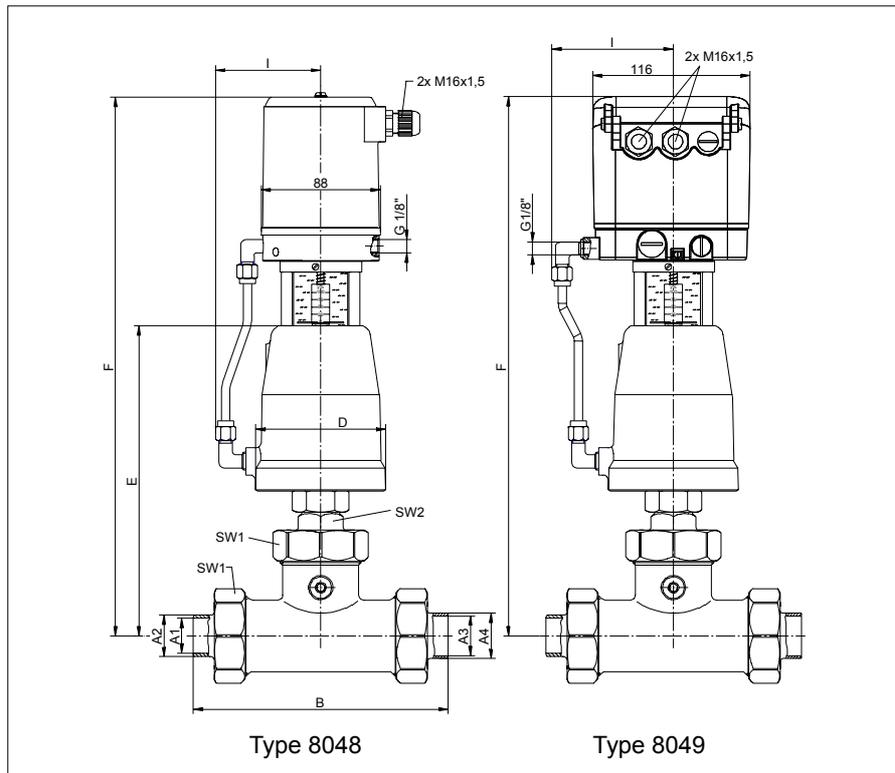
Ordering example: 7075/025V8D2771-----S-0

Pinch control valve type 7075, DN 25, Weldings ends acc. DIN, Connecting parts stainless steel, tube material EPDM (food grade), electropneumatic positioner, actuator 80 mm, with position indicator

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Dimensions and Weights



DN	Piston	Welding ends acc. DIN		Welding ends acc. ISO		B	D	E	G	SW1	SW2	Stroke	Kvs-value	Type 8048	Type 8049
		A1	A2	A2	A2									weight kg	weight kg
15	80	16	19	18,1	21,3	130	98	183	1/4"	46	27	10	12,5	5,1	5,4
20	80	20	23	23,5	26,9	136	98	183	1/4"	46	27	10	12,5	5,4	5,7
25	80	26	29	29,7	33,7	190	98	215	1/4"	65	30	18	45	6,4	6,7
32	80	32	35	38,4	42,4	200	98	215	1/4"	65	30	18	45	6,4	6,9
40	80	38	41	44,3	48,3	256	98	240	1/4"	88	30	25	74	9,3	9,6
40	125	38	41	44,3	48,3	256	146	263	1/4"	88	30	25	74	11,4	11,7
50	80	50	53	56,3	60,3	272	98	240	1/4"	88	30	25	74	9,6	9,9
50	125	50	53	56,3	60,3	272	146	263	1/4"	88	30	25	74	11,7	12

DN	Piston	F		I	
		Type 8048	Type 8049	Type 8048	Type 8049
15	80	353	349	80	90
20	80	353	349	80	90
25	80	385	381	80	90
32	80	385	381	80	90
40	80	410	406	80	90
40	125	433	430	105	105
50	80	410	406	80	90
50	125	433	430	105	105

Dimensions in mm