

Pinch Control Valve 7073

DN 15 up to DN 50

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

- 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

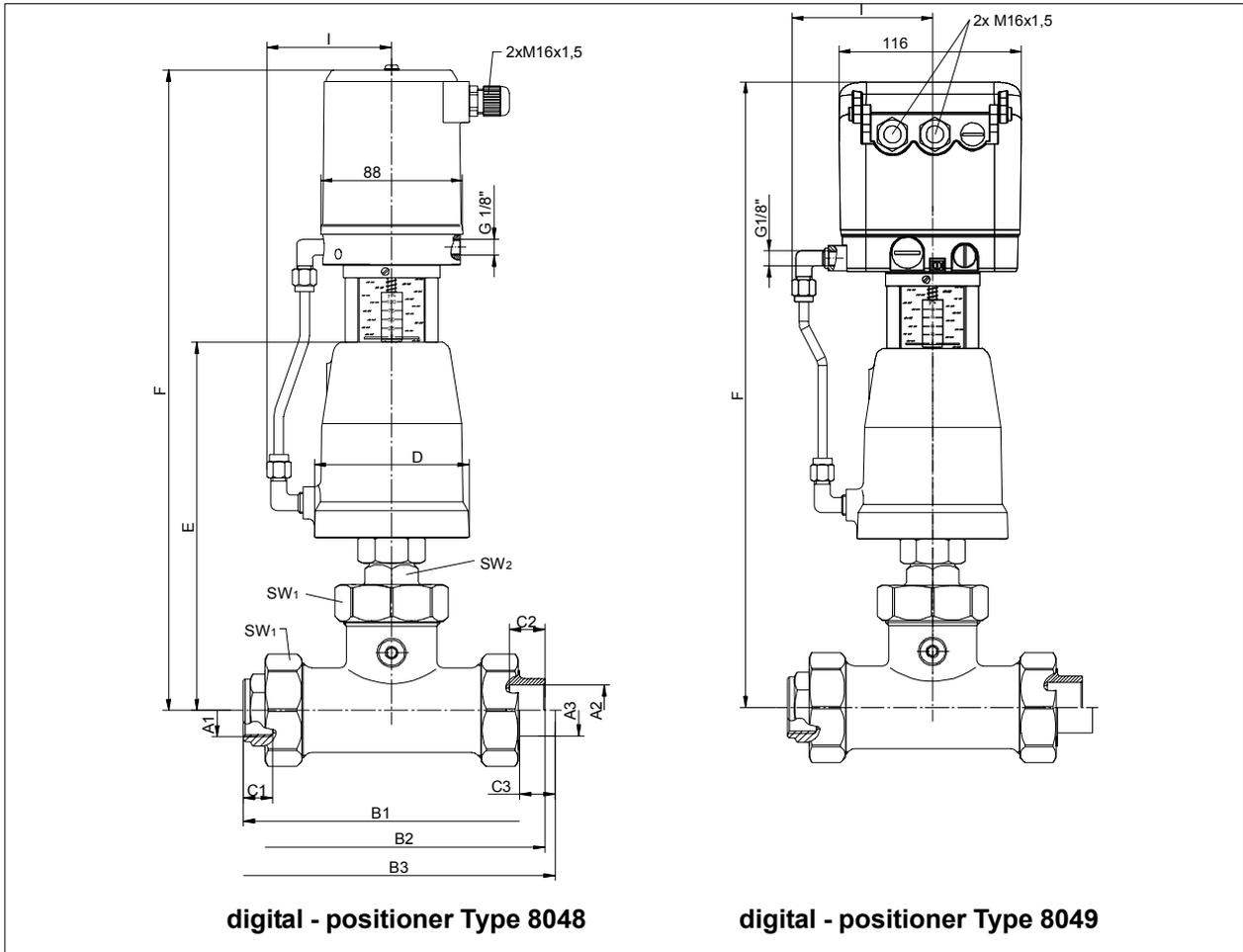
Version	4-wire	2-wire	AS-I
Set point signal	0/4 - 20 mA	4 - 20 mA	Single Slave, Slave Profil S - 7.3.4
Burden voltage	1,2 V	14 V	-
Supply energy, electrical	24 VDC	none	supply with AS-I
Adaption to range and zero	self-learning		
Configuration	with PC-Software		
Air delivery*	50 NI/min.	according the 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

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	Kvs-Value	Weight
			A1	B1	C1	B1	C1	A2	B2	C2	A3	B3	C3								
15	80	1/2"	130	13	132	15	20	130	16	20	138	15	98	183	1/4"	46	27	10	12,5	5,1	
20	80	3/4"	130	13	132	15	25	136	19	25	144	18	98	183	1/4"	46	27	10	12,5	5,4	
25	80	1"	184	16	190	19	32	190	22	32	203	22	98	215	1/4"	65	30	18	45	6,4	
32	80	1 1/4"	188	16	190	19,5	40	200	26	40	211	26	98	215	1/4"	65	30	18	45	6,4	
40	80	1 1/4"	246	20	246	19,5	50	256	31	50	272	31	98	240	1/4"	88	30	25	74	9,3	
40	125	1 1/2"	246	20	246	19,5	50	256	31	50	272	31	146	263	1/4"	88	30	25	74	11,4	
50	80	1 1/2"	246	22	246	20	63	272	38	63	286	38	98	240	1/4"	88	30	25	74	9,6	
50	125	1 1/2"	246	22	246	20	63	272	38	63	286	38	146	263	1/4"	88	30	25	74	11,7	

Dimensions in mm

DN	Actuator	F		I	
		8048	8049	8048	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

Text and pictures are not binding. We reserve the right to alter the equipment.