

3/2 - Way Control Valve 7082

with integrated positioner

DN 15 up to DN 50, PN40 mixing function



Pneumatically operated 3/2-way valve for the control of neutral and highly aggressive media.

- Integrated positioner
- Compact design
- All parts in contact with medium made from stainless steel
- For temperatures up to +200°C
- Working pressure up to 16 bar

Pneumatically operated 3/2-way control valve in stainless steel with integrated positioner for the control of neutral and aggressive media.

- Compact design
- All parts in contact with medium made from stainless steel
- No moving parts accessible from the exterior
- Non-contact stroke feedback (inductive sensor)
- Operation independent of position and control pressure
- Insensitive to vibration
- Instrument quality air not required for the feed air
- Flexible selection of characteristics using software



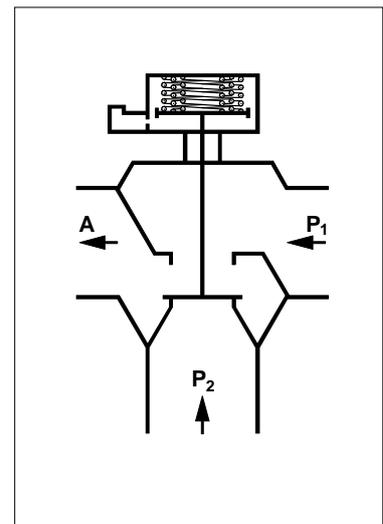
**with digital positioner
Type 8049**

Technical Information

Nominal sizes	DN 15 up to DN 50
Connections	Pipe thread acc. DIN EN 10226-1: Rp 1/2" - 2" NPT thread: 1/2" - 2"
Nominal pressure	PN40
Fluid temperature	-30°C up to + 200°C

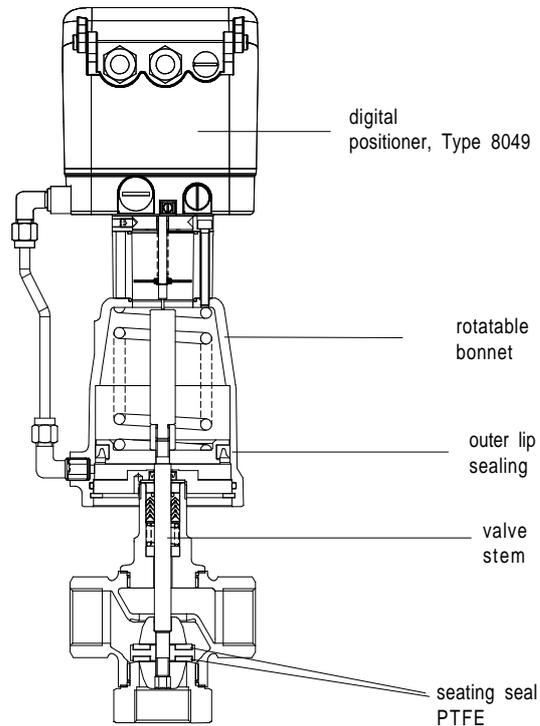
Materials

Body	Stainless steel 1.4408/1.4571
Seating seal	PTFE
Bonnet	Brass chrome plated (actuator Ø 80 mm) Aluminium (actuator Ø 125 mm)
Actuator springs	Stainless steel 1.4310 (actuator Ø 80 mm) Spring steel wire C, zinc coated (actuator Ø 125 mm)
Packing	PTFE (carbon filled), spring 1.4310
Valve stem	Stainless steel 1.4571, roller burnished
Position indicator	PA Trogamid (clear)



mixing function

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Kvs-Values

DN	Kvs - value	
	P1-A	P2-A
15	5,5	7,5
20	6,5	10
25	10	14
32	15	23
40	27	45
50	41	57

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		
	Analogue feedback module RM-2 4 wire design, feedback signal 4 - 20 mA		

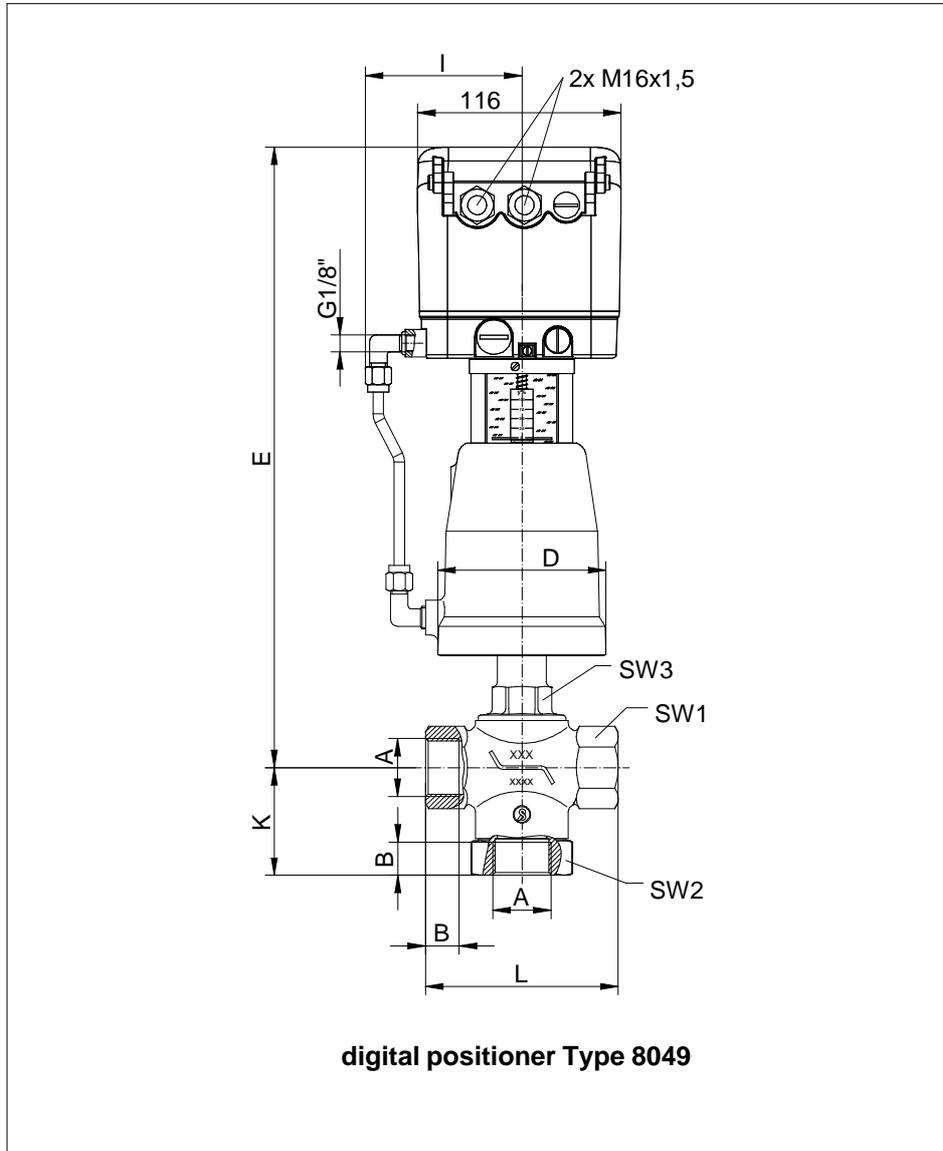
* 6 bar supply air

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7082

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Weights and Dimensions



DN	Actuator	A	B	B	D	K	L	I	E	Stroke	SW1	SW2	SW3	Weight (kg)
		Rp/NPT	Rp-thread	NPT-thread				Type 8049	Type 8049					Type 8049
15	80	1/2"	15	14,5	96	62	90	90	346	14	26	41	30	4,7
15	125	1/2"	15	14,5	146	62	90	105	366	14	26	41	30	6,6
20	80	3/4"	16,3	15	96	62	90	90	346	14	32	41	30	4,7
20	125	3/4"	16,3	15	146	62	90	105	366	14	32	41	30	6,6
25	80	1"	19,1	18	96	63	110	90	358	14	41	55	30	5,1
25	125	1"	19,1	18	146	63	110	105	378	14	41	55	30	7,0
32	80	1 1/4"	21,4	18,4	96	74	130	90	362	15	48	65	30	5,7
32	125	1 1/4"	21,4	18,4	146	74	130	105	382	15	48	65	30	8
40	125	1 1/2"	21,4	18,4	146	88	140	105	397	23	58	75	32	8,5
50	125	2"	25,7	19	146	95	180	105	410	23	85	90	36	11,7

Dimensions in mm