# Pinch Control Valve for endless tube 7077



## with integrated positioner, DN 6 up to DN 14

Pneumatically operated control valves for applications in chemistry, food industry and pharmaceutics.

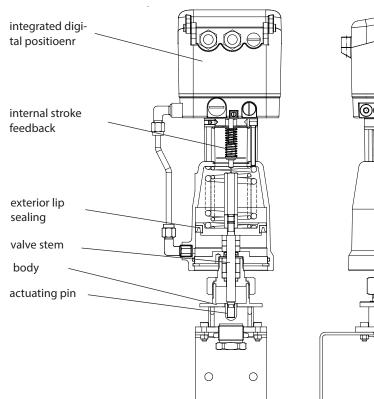
- Integrated positioner
- · Fast and simple change of tube
- · Cavity free can be sterilized using steam or hot gas
- No fluid contact to the valve
- · working pressure up to 4 bar

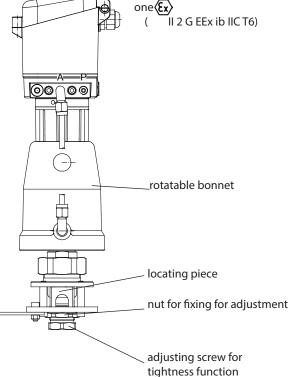


#### Options:

e.g.:

- Optical position indicator
- External I/P-converter Type 8045
- Ex-electropneumatic positi-





#### Positioner

For technical information of our positioners please refer to the corresponding data sheets.

# Pinch Control Valve for endless tubes



# 7077, with integrated positioner

## Technical Information Valve

Nominal size	DN 6 - 10 - 14								
Tube (outer diameter)	10 - 14 - 18 mm								
3 interchangeable fixing pieces	10 - 14 - 18 mm								
Adjustment of stroke	complete stroke 17mm (Standard) 4, 5, 6, 7, 9, 11, 13, 15 mm (with software adjustable)								
Body material	stainless steel 1.4301								
Working pressure	0 - 4 bar according to the quality of the tube, the shore hardness and the thickness of the tube material								
Tube types	all types of elastomer up to shore hardness 65°A								
Pilot pressure	3 - 6 bar								
Thread for pilot connection	G 1/8"								
Fluid temperature	-30°C up to +170°C (according to the quality of the tube)								
Ambient temperature*	digital positioner -10°C up to +75°C analog positioner -15°C up to +60°C								
Weight	4,4 kg								
* Please consider the limitation of use of the positioner!									



## **Ordering Number System**

Size

Туре

1 2 3 4 5 6 7 8 9 10 11 12 7 0 7 7 / V 9 Symbol: "V": Valve

1 - 5: Please quote all 6 sections.6 - 12: Quote only if required.

——— "A": Actuator (valve without body)

"R": Repair kit (sealings)

"R": Repair kit (sealings)													
1.	Body type	2.	Material of the lower part	3.	Material of the actuator	4.	Positioner	5.	Actuator	6.	Springs		
1	pinch control	Α	stainless	1	brass, chrome	-	without	1	piston 80 mm	-	without		
	valve for endless		steel		plated	6	p/p positioner				significance		
	tubes		1.4301	2	stainless steel	7	i/p positioner			1	spring to open		
	Type 7077				1.4408	8	i/p positioner with plug				(only with digital		
				3	plastic	9	connection M12x1 i/p positioner ex-proof (II 2 G Eex ib IIC T6), plug connection M12x1				positioner)		
						С	digital positioner, type 8049 4 wire						
						R	digital positioner type 8049 2 wire						
						Т	digital positioner type 8049 AS-i version						
						w	digital positioner type 8049 2-wire, ex-version						
						K	Expro-FM with base plate in stainless steel;  Ta = -10°C to +75°C; IS Class I						
							Division 1, Groups A, B, C, D; T4 Entity; Class I Zone 0 AEx ia IIC T4 Entity, IP65						
						Υ	digital positioner type 8049 ExPro-FM with base plate in stainless steel; Ta = -10°C to +75°C; NI Class I Division 2, Groups A, B, C, D; T4 NIFW, IP65						
7.	Adjustment of the stroke	8.	Fittings	9.	Accessories	10.	Special versions	11.	Adjustment of the positioner	12.	Adjustment of the supply air		
-	complete stroke	-	without	-	without	S	State, if further sections	-	standard	-	standard		
	(17 mm)	1	fittings and tubing	6	pilot-valve DN2		are quoted	0	0 - 20 mA	1	adjustment of the		
4	adjustment 4 mm		made from PA		230V AC			3	inverse func- tion		positioner with		
5	adjustment 5 mm	2	fittings and tubing	7	pilot-valve DN2				20 - 4 mA		5 bar supply air		
6	adjustment 6 mm		made of brass		24V DC			7	0 - 10 V	G	positioner with		
7	adjustment 7 mm		nickel-plate	С	pilot-valve DN2						low air con- sumption		
9	adjustment 9 mm	3	fittings and tubing		24V/50Hz					Н	positioner with		
А	adjustment 11 mm		made of								high air con- sumption		
В	adjustment 13 mm		stainless steel										
С	adjustment 15 mm		1.4571										

Ordering Example:

7077/014V91A2C1--3

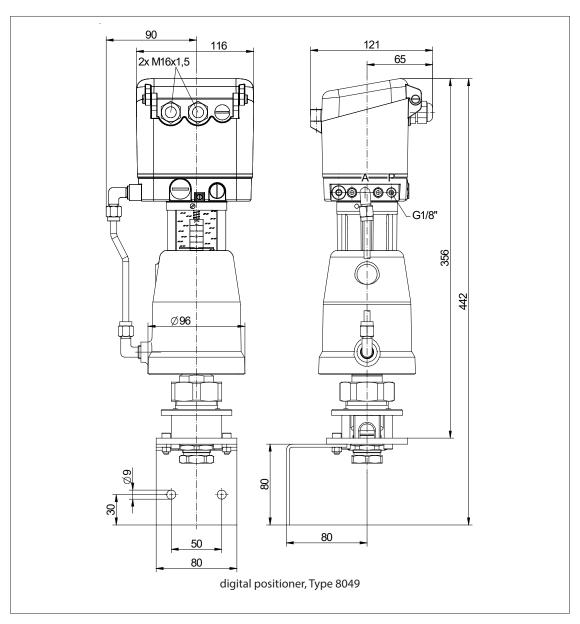
Pinch control valve for endless tubes , DN 14, material of the lower part 1.4301, actuator Ø 80 mm stainless steel 1.4408, digital positioner 4 wire, adjustment of the stroke 17mm, fittings and tubing made of stainless steel 1.4571

# Pinch Control Valve for endless tubes



## 7077, with integrated positioner

## **Dimensions and Weights**



Weight: 4,7 kg