

Pinch Control Valve for endless tubes with integrated positioner 7077 DN6 up to DN14

SCHUBERT & SALZER
CONTROL SYSTEMS

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

- 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

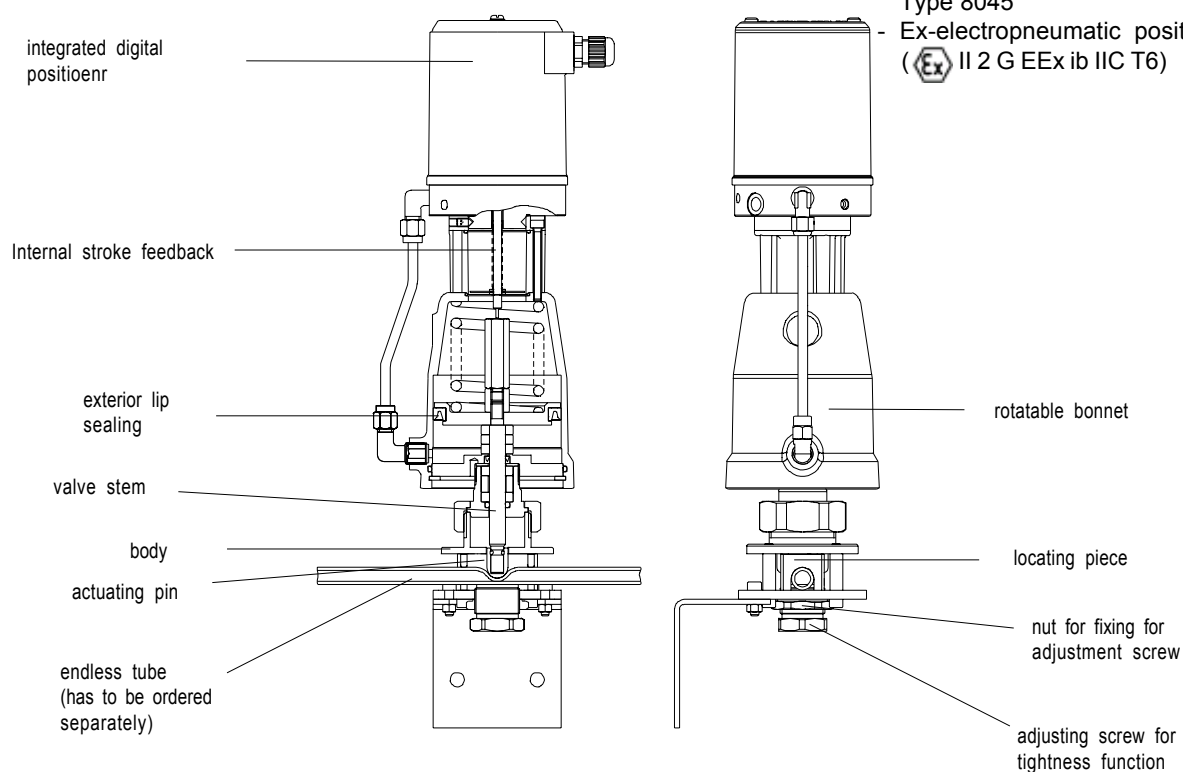


**Type 7077
with digital
positioner Type 8048**

Options:

e.g.:

- Optical position indicator
- External I/P-converter Type 8045
- Ex-electropneumatic positioner (Ex II 2 G EEx ib IIC T6)



По вопросам продаж и поддержки обращайтесь:
Екатеринбург (343)384-55-89, Казань (843)206-01-48, Краснодар (861)203-40-90,
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Единый адрес: ssr@nt-rt.ru
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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)
Weight	4,4 kg

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)	-	Ex II 2 G EEx ib IIC T6 up to 45°C Ex 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

Ordering Number System

Type Size

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

6 - 12 : Quote only if required.

1. Body type	2. Material of the lower part	3. Material of the actuator	4. Positioner	5. Actuator	6. Springs
1 pinch control valve for endless tubes Type 7077	A stainless steel 1.4301	1 brass, chrome plated 2 stainless steel 1.4408 3 plastic	- without 6 p/p positioner 7 i/p positioner 8 i/p positioner with plug connection M12x1 9 i/p positioner ex-proof (II 2 G Eex ib IIC T6), plug connection M12x1 A dig. positioner with process controller 8048 IPC C digital positioner, type 8049 4 wire D dig. positioner type 8048, IP 65 + position indicator R digital positioner type 8049 2 wire T digital positioner type 8049 AS-i version	1 piston 80 mm	- without significance 1 spring to open (only with digital positioner)

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 (17 mm) 4 adjustment 4 mm 5 adjustment 5 mm 6 adjustment 6 mm 7 adjustment 7 mm 9 adjustment 9 mm A adjustment 11 mm B adjustment 13 mm C adjustment 15 mm	- without 1 fittings and tubing made from PA 2 fittings and tubing made of brass nickel-plate 3 fittings and tubing made of stainless steel 1.4571	- without 6 pilot-valve DN2 230V AC 7 pilot-valve DN2 24V DC C pilot-valve DN2 24V/50Hz	S State, if further sections are quoted	- standard 0 0 - 20 mA 3 inverse function 20 - 4 mA 7 0 - 10 V	- standard 1 adjustment of the positioner with 5 bar supply air G positioner with low air consumption H positioner with high air consumption

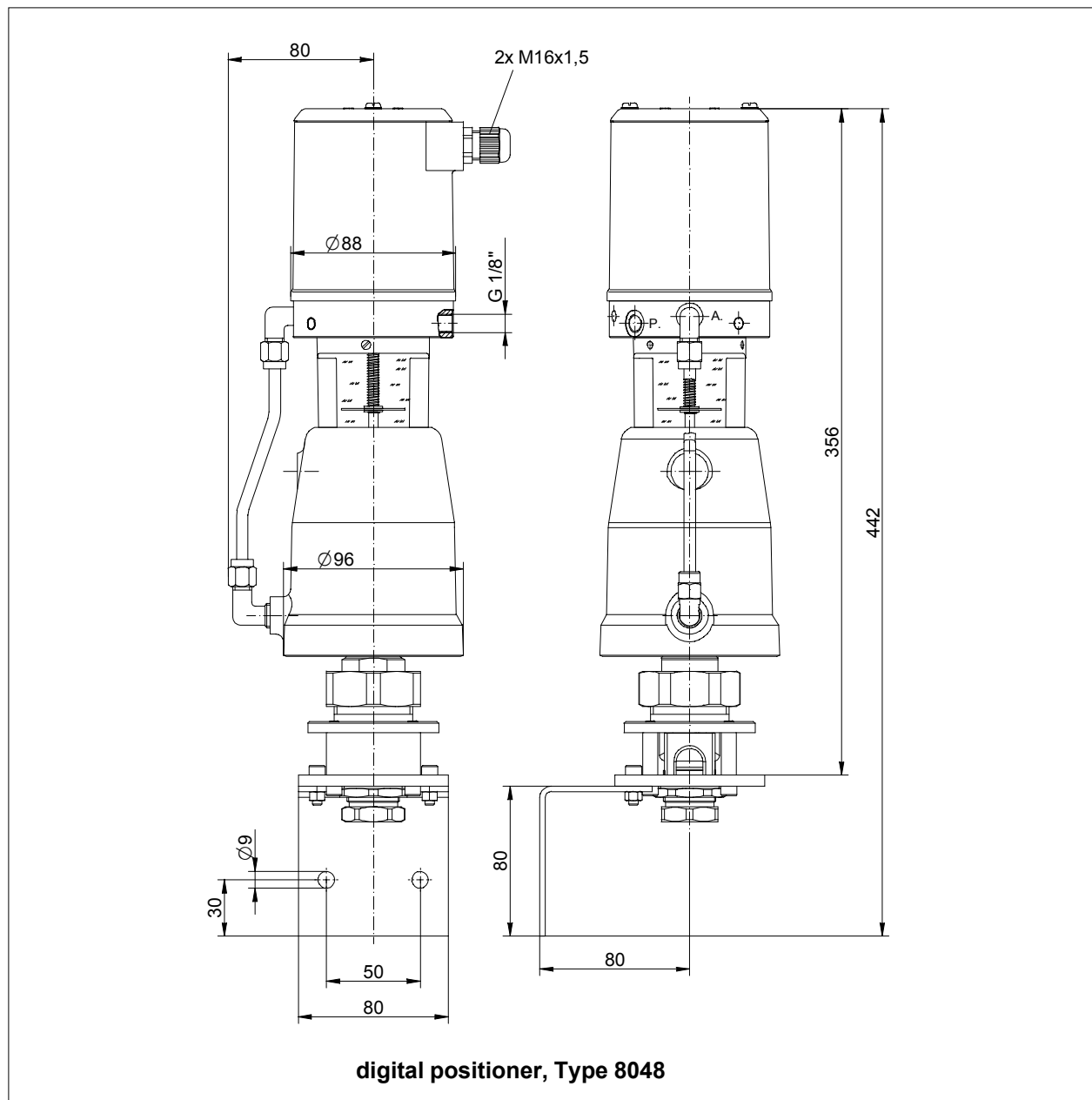
Pinch control valve for endless tubes , DN 14, Material of the lower part 1.4301, actuator Ø 80 mm stainless steel 1.4408, digital positioner with position indicator, adjustment of the stroke 17mm, fittings and tubing made of stainless steel 1.4571

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Dimensions and Weights



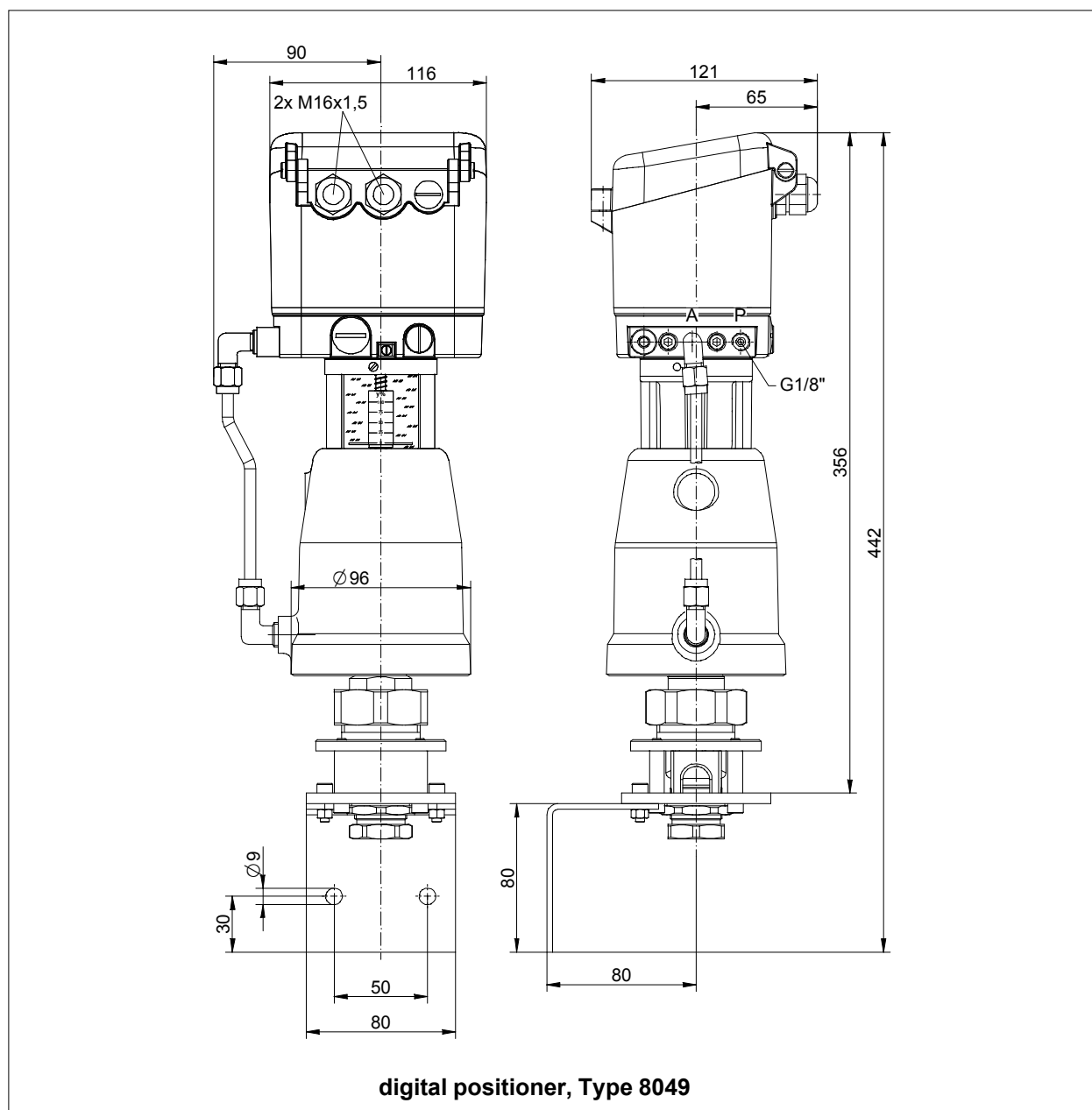
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Dimensions and Weights



Weight: 4,7 kg

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