





PNEUMATIC CONTROL VALVES PV926

(V926 angle valves series with linear actuators PA series)

DESCRIPTION

The PV926 control valves are single seated, two-way body constructed with angle connections. The PA pneumatic actuator is rubber diaphragm and multisprings. It's action can be DA - direct action (air to close) or RA-reverse action (air to open). The PV926 valves have been designed to assure an accurate control in any process condition. The self draining design is ideally suited to applications in clean steam service.

MAIN FEATURES

Single seated, two way, direct or reverse action valve. Valve top flange permanently attached to the body, removal is unnecessary for replacing the actuator. Metal to metal or soft sealing.

Self draining design

STANDARD SURFACE FINISH

Internal wetted parts: ≤ 0,5 micron Ra

External : ≤ 0,8 micron Ra

(0,25 micron Ra and electro polished as option)

Ultrasonic cleaning

Actuator:

Stainless steel satin bead blast finish – 1,6 micron Ra

Steel painted

OPTIONS: Soft sealing

Position transmitter

Pneumatic pilot positioner

Air filter regulator

Top-work manual handwheel

USE: Saturated steam

Hot and superheated water

Air and gases compatible with the

construction

AVAILABLE

MODELS: PV926

VALVE SIZES: DN1/2" to DN2"; DN15 to DN50

CONNECTIONS: Clamp ends or other on request

PACKAGING: Assembling and packaging in a clean

room certified according to ISO

14644-1.

The product is end capped and vacuum sealed with recyclable plastic

film to avoid contamination.

PNEUMATIC

ACTUATORS: PA-205,PA-280,PA-340,PA-435

ACTUATOR CONN: 1/4" NPT-F

CONTROL SIGNAL: 0,2 – 1bar; 0,4 – 1,2 bar; 0,4 – 2 bar

ELECTRIC ACT.: Consult catalogue IS EL20.00 E

HOW TO SELECT: Never size the valve according to the pipe diameter in which it has to be fitted, but according to the required actual flow of steam or water. Refer to the valve calculation data sheet or consult the factory.



MAX.AIR SUPPLY: 3,5 bar

AMBIENT

TEMPERATURE: -20°C+70°C

STEM SEALING: VITON/PTFE O-Rings 170°C

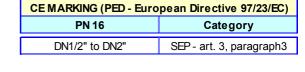
PLUG TYPES: Equal percentage (EQP)

Linear (PL) On-Off (PT)

PORT: Full port as standard

Reduced or microflow on

request









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STEAM	EOUIF	MENT	

	MATERIALS					
POS.	DESIGNATION	MATERIAL				
1	Valve Body	AISI316L / 1.4404				
1.1	Ferrule	AISI316L / 1.4404				
2	Bon net	AISI316L / 1.4404				
2.1	Bolts	DIN 933 A-2				
3	Actuator (Steel)	S235JRG2 / 1.0038				
3	Actuator (Stainless steel)	AISI304 / 1.4301				
4	* Diaphragm	NBR 70				
_	Yoke (Steel)	C45E / 1.1191				
5	Yoke (Stainless steel)	AISI304 / 1.4301				
6	Valve Seal	PTFE				
7	Standard packing	AISI316L / 1.4404				
8	O-ring	EPDM				
9	O-ring	VITON				
10	Seal washer	VITON				

VALVE BODY LIM. CONDITIONS					
PRESSURE/TEMPERATURE					
16 bar	100 °C				
15 bar	150 °C				
14 bar	200 °C				

DIMENSIONS (Clamp conn.)							
VALVE BODY			ACTUATOR				
DN	A (mm)	B (mm)	C (mm)	Туре	D (mm)	ø E (mm)	
1/2"-15	60	49	62,5	PA-205	235	210	
3/4"-20	60	49	62.5	PA-280	240	275	
1"-25	60	49	62,5	PA-340	265	335	
11/4"-32*	60	65	75,5	PA-435	295	430	
11/2"-40	67,5	70	84				
2"-50	67,5	80	77,5				

Consult factory for certified dimensions.

Dimensions subject to change without notice.

^{*}Not available with ASME BPE

FLOW RATE COEFFICIENTS							
	SIZES						
	1/2"-15	3/4"-20	1"-25	11/4"-32	11/2"-40	2"-50	
Kvs	1,7* - 3	3,7*-5,1	6,3* - 9,4	15,4	19,2*-22,2	27,7*-40,1	

^{*} Max. available Kvs with ASME BPE clamp connections Kvs in m3/h , see data sheet IS PV10.00 E ; For conversion Kvs = Cv(US) x 0,855

ACTUATOR STROKE IN mm						
	SIZES					
	1/2"-15	3/4"-20	25-1"	11/4"-32*	11/2"-40	2"-50
Stroke	20	20	20	20	20	20

