





## PNEUMATIC CONTROL VALVES PV922

(V926 globe 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.

STANDARD SURFACE FINISH Internal parts: 0,5 microns Ra

External: Body

Fine machined (mechanical or electro polished as

option) Actuator

Stainless steel satin bead blast finish - 1,6 microns Ra

Steel painted

OPTIONS: Soft sealing

Position transmitter
Pneumatic pilot positioner

Air filter regulator

Top-work manual handwheel

Self draining design Saturated steam

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 others on request

**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** 

PORT:

TEMPERATURE: -20°C ....+70°C

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

PLUG TYPES: Equal percentage (EQP)

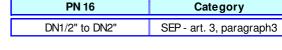
Linear (PL)

On-Off (PT)

Full port as standard

Reduced or microflow on

request



CE MARKING (PED - European Directive 97/23/EC)







MATERIALS					
POS.	DESIGNATION	MATERIAL			
1	Valve Body	AISI316L / 1.4404			
2	Bonnet	AISI316L / 1.4404			
3	Actuator (Steel)	S235JRG2 / 1.0038			
3	Actuator (Stainless steel)	AISI304 / 1.4301			
4	* Diaphragm	NBR 70			
5	Yoke (Steel)	C45E / 1.1191			
3	Yoke (Stainless steel)	AISI304 / 1.4301			
6	Valve Seal	PTFE			
7	* Standard packing	VITON / PTFE			
8	Bottom cover AISI316L / 1.4404				

*	Available	spare	parts

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

DIMENSIONS						
VALVE BODY				ACTUATOR		
DN	A (mm)	B (mm)	C (mm)	Туре	D (mm)	ø E (mm)
1/2"-15	150	80	77	PA-205	235	210
3/4"-20	150	80	77	PA-280	240	275
1"-25	150	80	77	PA-340	265	335
11/4"-32*	175	90	85	PA-435	295	430
11/2"-40	175	90	85			
2"-50	175	90	85			

Consult factory for certified dimensions

Dimensions subject to change without notice

<sup>\*</sup>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	3,8	5,1	9,4	15,4	22,2	40,1

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	1"-25	11/4"-32	11/2"-40	2"-50
Stroke	20	20	20	20	20	20

Connection examples						
Clamp	Round thread	Flange				
		General States				

