

PNEUMATIC CONTROL VALVES PV928

(V928 hygienic angle valve with linear actuator PA series)

DESCRIPTION

The PV928 are two or three-way control valves with angle connections, specially designed for food, chemical pharmaceutical and cosmetic industries among others. The PA pneumatic actuator features a rubber diaphragm and multi-springs. Its action can be DA - direct action (air to close) or RA-reverse action (air to open). The PV928 valves have been designed to ensure an accurate control in any process condition and they have self draining design.

MAIN FEATURES

Quick disassembling through clamp body bonnet coupling.
Completely made from solid bar stock material.
Valve bonnet 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: ≤ 0,51 micron Ra – SF1.
External: ≤ 0,76 micron Ra – SF3.
Other surface conditions see IS PV20.00-Technical information.
Ultrasonic cleaning.
Actuator (stainless steel): Satin bead blast finish 1,6 micron Ra.
Actuator (steel): Electrostatic painted.

OPTIONS: Soft sealing.
Steam barrier.
Low noise and anti-cavitation plugs.
Positioners and position transmitters.
Air filter regulator.

USE: Saturated steam, hot and superheated water.
Process fluids, liquids, air and gases compatible with the construction.

AVAILABLE MODELS: PV928L-Two way angle valve.
PV928H-Two way horizontal valve.
PV928M-Three way mixing valve.
PV928D-Three way diverting valve.

VALVE SIZES: DN15 to DN100 .
CONNECTIONS: DIN, others on request.
Tube weld, clamp ferrules and threads.

VALVE PORT: Full port as standard.
Reduced or micro flow on request.

PLUG TYPES: Equal percentage (EQP).
Linear (PL).

PACKAGING: Assembling and packaging in a clean room certified according to ISO 14644-1.
The product is end capped and sealed with recyclable thermo-shrinkable plastic film to avoid contamination.



| LIMITING CONDITIONS | |
|---|----------------|
| Valve model | V928 |
| Body design conditions | PN 16 |
| Maximum operating pressure | 13 bar @ 38 °C |
| Max. operating steam pressure | 6 bar |
| Max. oper. temperature steam and w ater | 170 °C |
| Max.operating temperature with air | 150 °C |
| Minimum operating temperature | - 10 °C |

Higher and low er limits on request.

| CE MARKING (PED - European Directive) | |
|---------------------------------------|---------------|
| PN 16 | Category |
| DN15 to DN50 | SEP |
| DN65 to DN100 | 1 (CE Marked) |

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

ACTUATOR CONNECTIONS: ¼" NPT-F

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

ELECTRIC ACT.: Consult IS EL20.00 E

MAX.AIR SUPPLY: 3,5 bar

AMBIENT TEMPERATURE: -20°C+70°C