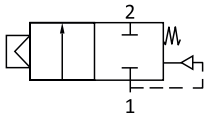
DURAVIS

VALVE AUTOMATION www.duravis.com SOLENOID VALVES

REMOTE CONTROL PULSE VALVES EPV 110

PILOT OPERATED, 2/2 WAY, NORMALLY CLOSED, G11/2"

TECHNICAL SPECIFICATIONS and FEATURES



- Way Number 2/2
- **Fluids / Media:** Air and Inert Gas
- **Principle of Operation:** Pilot Operated
- **Function or Switching Type:** Normally Closed
- **Connection and Port Sizes:** G11/2"
- **Connection Type:** Thread (Female)
- **Fluid Temperature:** -40°C to 80°C
- **Ambient Temperature:** -20°C to 70°C
- **Minimum Operating Differential Pressure:** 0,35 Bar
- **Maximum Operating Pressure:** 8,5 Bar
- **Maximum Allowable Pressure or Design Pressure:** 12,5 bar
- **Opening Time**: 100 ms
- **Closing Time:** 100 ms
- Life is greater than 5 million cycles
- The angle between inlet and outlet is 90 degree.

Pulse valves are well known as an air shock valve and generally used with dust collectors. When pressurized air comes to valve. Valve goes open position and pressurized air goes by in a while. This cause shock wave. The shock wave is clean up the dust and particles before it remains permanently. If you continue to give pressurized air it won't cause any shock wave again. İn order to create it, valve needs pressurized air which must be waiting inlet of the valve. That's means pulse valves are opened or closed by giving pressurized air through the inside or cut the air supply. On position pressurized air goes by. Off position valve waiting for pressurized air will be created.

- Application: Dust Collection Systems, Jet Pulse Filters, Dust Ventilation Systems, Dust Extraction Systems, Dust Deposition Systems, Pneumatic Conveying Systems, Sand Blasters, Electrostatic Powder Coating Systems, Casting Factories, Cement Plants, Bunkers, Painting Booths, Industrial Filter Facilities
- Fast opening and closing, Compact design, high reliability, high flow rate, effective cleaning, high quality, high performance, long life, high corrosion resistance, lower air consumption, low decibel noise level, ideal peak pressure, maximum security against icing, low flow and pressure loss, a special and patented diaphragm, a fast and easy assembly-disassembly, high mechanical strength, low power loss, peak pressure ratio greater %85, special design made having studied tank geometric exhaust port protected by silencer and filter, valve with two diaphragm for large flow, fast on off response, large exhaust area for reducing noise, remote operation where electric supply not permitted
- Flow factor Kv of each valve is indicated, so that the flow Q can be calculated as a function of pressure
- Pulse valves must be used with filtred fluids.
- Pulse valve can be mounted in any position without affecting operating.
- Respect the direction of flow across the valve, shown with an arrow
- Approved from 97/23/EC Pressure Equipment Directive (PED)
- Standard connection can be G (BSPP/ ISO 228-1)

Patented | Lower Air Consumption | Special Diaphragm

High Flow Rate | Long Life 5 Milion Cycles | Silencer and Filter

CE

GUARANTEE CERTIFICATE

MATERIALS

Valve Body and Cover: Die Cast Aluminum
Diaphragm/Seat Seal: TPE
Valve Seat: Aluminum
Cover Screws: Stainless Steel
Internal and External O-rings: NBR

Model No	Connection and Port Size	Orifice Size	Pressure Minimum For AC Voltage	Pressure Minimum For DC Voltage	Pressure Maximum For AC Voltage	Pressure Maximum For DC Voltage	Flow Coeffient	Fluid Temperature Minimum	Fluid Temperature Maximum	Seal	Approximate Weight
EPV 110	G	mm	Bar	Bar	Bar	Bar	L/m	C⁰	C⁰		kg
EPV 110.07	11/2"	40	0,35	0,35	8,5	8,5	850	-40	80	TPE	1
EPV 100.07N	11/2"	40	0,35	0,35	8,5	8,5	850	-20	130	NEOPRENE	1.3

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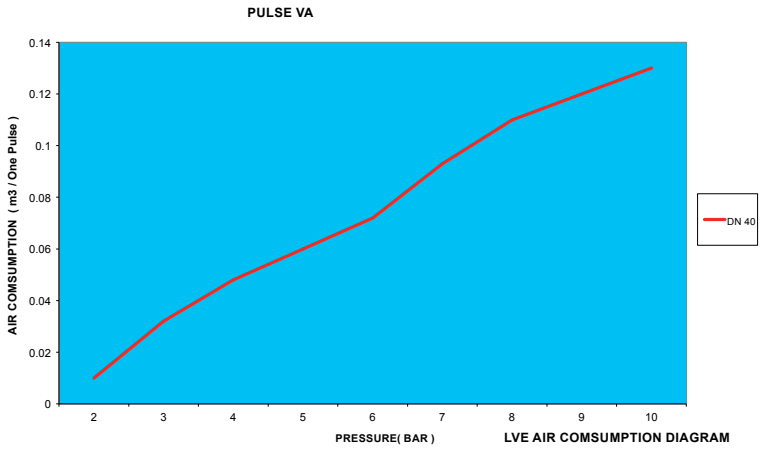
OPTIONS

- On request other connections are available NPT (ANS11.20.3), R (BSPT/ ISO 7-1], W (BSW/Whitworth), M (Metric)...
- On request diaphragm seal neoprene (-10°C to 80°C for Fluid), connector with timer

DIAGRAM



APPLICATION PICTURES




DIMENSIONS (mm)