

PULSE VALVES

2/2 Wav **Pilot Operated** G3/4", G1"

PL1010 **SERIES**

GENERAL FEATURES

- TORK series PL1010 pulse valves are 2/2 way normally closed.
- Suitable for air
- G 3/4" and G 1" connection
- The pulse valves are especially designed for dust collector service application or similar systems
- Compact design, high reliability, flow rate, quality and performance; long life.
- Extremely fast opening and closing Working Temperature: 20°C...80°C
- Minimum operating differential pressure 0,5 bar
- On request; with electronic timer TORK pulse valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some application; dust filters, bunkers, dust extractors, electrostatic painting cabinets Coils interchangeable
- 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 filtered fluids.
- Pulse valve can be mounted in any position without affecting operation; vertical with coil upwards
- preferred.
 Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))

ELECTRICAL CHARACTERISTICS

Continuous Duty Coil Insulation Class FD %100

Polyester Fiber Glass Coil Impregnation Coil Encapsulation Material Fiber Glass Reinforced

Ambient Temperature Protection Degree

FIDE class neutroced from -20°C...80°C

IP 65 (EN 60529) with coil duly fitted with the plug connector DIN 46340 3-poles connectors (DIN 43650) ISO 4400 / EN 175301-803, Form A, Spade plug (Cable Ø 6-8 mm) Electric Plug Connection Connector Specification Electrical Safety Standard Voltages

IEC 335 For AC 12V, 24V, 48V, 110V, 230V For DC 12V, 24V, 48V, 110 V

Other voltages on request; :±10% : 50 / 60 Hz Voltage Tolerances

Frequency On request; connector with LED Specify coil voltage with order

Normally Closed















MATERIALS IN CONTACT WITH FLUIDS

Opening Time:100 ms, Closing Time:100 ms Aluminium Body Response Time Internal Parts Stainless Steel Sealing Neoprene Shading Ring Copper

Seats Aluminium Stainless Steel Core Tube Springs Stainless Steel

Air consumption example of G1" Pulse Valves;

Pressure: 6 bar; 50 cycles/hour Air consumption for G1" at 6 bars is read from the table as 0,43 m³/s.

In case the pulse valve opens for 0,1 second, air consumption at one pulse is 0,43 x 0,1 : 0,043 m 3 For 50 cycles/hour, the total air consumption is 0,043 x 50 : 2,15 m 3 /h



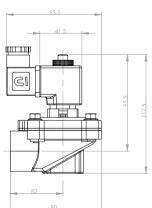


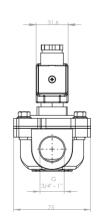


Application, TORK pulse valve









Valve Type / Order no	Connection Size	Orifice size	Pres min	sure max	KV	KV Fluid Temperature		Seal	Weight
PL1010	G	mm	bar	bar	lt/min	min	C max		(kg)
PL1010.04	3/4"	25	0.5	8	150	-20	80	NEOPRENE	0.69
PL1010.05	1"	25	0.5	8	270	-20	80	NEOPRENE	0.68



PULSE VALVES

2/2 Wav **Pilot Operated** G11/2", G2", G21/2", G3"

PL1010 **SERIES**

Normally Closed

GENERAL FEATURES

- TORK series PL1010 pulse valves are 2/2 way normally closed .
- Suitable for air
 G 1 1/2", G 2", G 21/2"and G 3" connection
- The pulse valves are especially designed for dust collector service application or similar systems

- Compact design, high reliability, flow rate, quality and performance; long life.
 Extremely fast opening and closing
 Working Temperature:-20°C...80°C
 Minimum operating differential pressure 0,5 bar
 On request; with electronic timer
 TORK pulse valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Some application; dust filters, bunkers, dust extractors, electrostatic painting cabinets
- Coils interchangeable
- Flow factor Ky of each valve is indicated, so that the flow Q can be calculated as a function of pressure
- Pulse valves must be used with filtered fluids.
- Pulse valve can be mounted in any position without affecting operation; vertical with coil upwards
- Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))

ELECTRICAL CHARACTERISTICS

Continuous Duty Coil Insulation Class :ED %100

Coil Impregnation :Polyester Fiber Glass Coil Impregnation
Coil Encapsulation Material: Fiber Glass Reinforced
Ambient Temperature: from -20°C...80°C
Protection Degree: IP 65 (EN 60529) with coil duly fitted with the plug connector
Electric Plug Connection
Connector Specification
Connector Specification
Leasting Safety: IEC 225
LEC 225
LEC 225

IEC 335

Ambient Temperature
Protection Degree
Electric Plug Connection
Connector Specification
Electrical Safety
Standard Voltages :For AC 12V, 24V, 48V, 110V, 230V For DC 12V, 24V, 48V, 110 V

Other voltages on request;

Voltage Tolerances Frequency On request; connector with LED Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUIDS

:Die Cast Aluminium Internal Parts: Stainless Steel

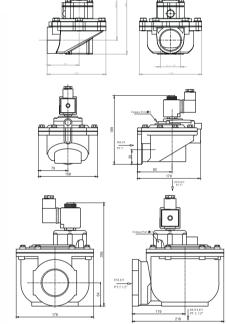
Sealing Shading Ring : Copper Aluminium Seats Stainless Steel Core Tube

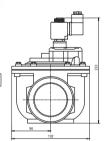
Springs

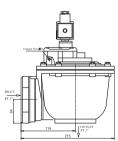












Valve Type / Order no	Connection Size	Orifice size	Pres min	sure max	KV	Fluid Temperature		Seal	Weight
PL1010	G	mm	bar	bar	lt/min	min	C max		(kg)
PL1010.07	11/2"	40	0.5	8	774	-20	80	NEOPRENE	1.40
PL1010.08	2"	50	0.5	9.8	1065	-20	80	NBR	2.25
PL1010.09	21/2"	65	0.5	9.8	1378	-20	80	NBR	3.47
PL1010.10	3"	80	0.5	9.8	2040	-20	80	NBR	3.8