PNEUMATRON

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2/2 Industrial Solenoid Valve

PLQM22 Brass Series, Anti Water Hammer & Low Power (N.C)

Charactaristics:
1. Pilot operated diaphragm construction with power, consumption for longtime
2. Applied to pressure system opened from 1 bars
3. Small in size with a large flow rate.

Medium: Water, liquid, air
Temperature: VITON: -10°C to 130°C
Pressure: 1 to 16 Bar/10 Bar (See table below)
Body: Brass
Port Size (BSP): 1/2", 3/4", 1"
Orifice: 12mm, 20mm, 25mm
Coil voltages: 220VAC, 110VAC, 24VDC, 12VDC
Coils: IP65, 100%ED Low Power

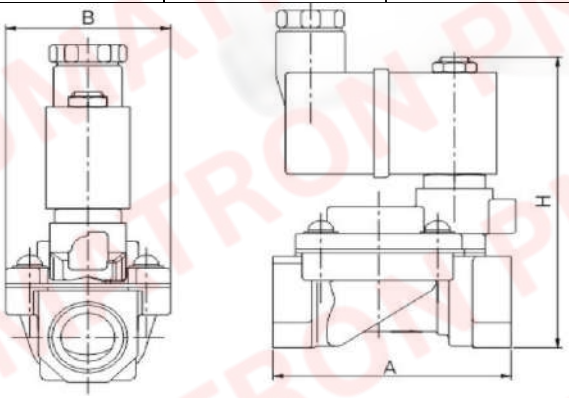
Material:

Body material: Brass
Seal material: VITON
Armature Tube: Stainless Steel 304
Plunger - Stainless Steel 430F
Springs - SS 304
Shading Rings - Stainless Steel

PLQM22 Brass Series - Normally Closed, with Coil

Port Size	Orifice (mm)	KV	Min Pressure	Max Pressure		Seals Material	Body Material	Valve No:	Coil
				AC(6VA)	DC(6W)				
1/2"	12	2.08	1 Bar	16 Bar	10 Bar	VITON	Brass	PLQM22BH15S04V	C1010
3/4"	20	5.19	1 Bar	16 Bar	10 Bar			PLQM22BH20S06V	C1010
1"	25	7.35	1 Bar	16 Bar	10 Bar			PLQM22BH25S10V	C1010

BODY DIMENSION CODE(Size in mm)			Valve Body
A	B	H	
62	43	84.2	PLQM22BH15S04V
80	60	93	PLQM22BH20S06V
100	80	102	PLQM22BH25S10V



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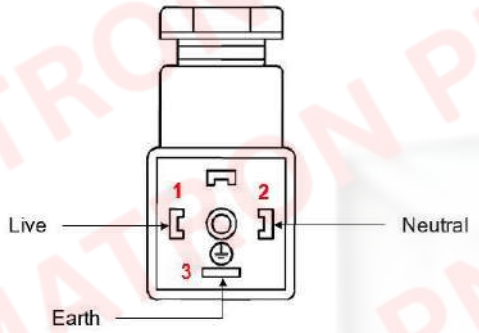
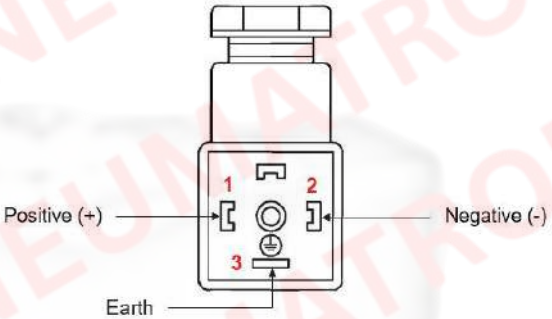
DIN Plug Wiring Connections

Wiring Connections AC



Wiring Connections DC



VALVE INSTALLATION INSTRUCTIONS

1. These valves should be installed horisontally with the coil on top for the best and most reliable operation, any other installation method is done at own risk.

2. No installation in direct sunlight. If the solenoid valve is installed in direct sunlight the coil and valve must be shaded - a shading steel plate can be mounted above the valve to protect it from direct sunlight. DO NOT box these valve to block direct sunlight, there will be no ventillation to keep the coil cool unless you mount a fan.

3. Insure that the valve is installed correctly as per the flow direction indicated by and arrow on the valve, in/out wording or as per instruction in the data sheet. Incorrect installation will result in malfunction of the valve and possible damage.

4. Check the valve label for pressure range requirements. Any valve should not be used for higher pressure than what they are rated for.

5. The valve label will indicate the valve body material and the seal material. Never apply incompatible fluids or gasses with the body and seal material.

6. The seal material indicates the temperature range that can be used with the valve. Going beyond the temperature range will cause the valve to malfuntion.

7. All valves should be cleaned from time to time. Generally, if the voltage to the coil is correct, sluggish valve operation, excessive noise or leakage will indicate that cleaning is required.