

PNEUMATRON

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2/2 Industrial Solenoid Valve

PLZ22 Stainless Steel Series, High Pressure (N.C)

Characteristic:

1. High pressure solenoid valve with low power consumption
2. Compact design to save the space

Medium: Air Gas, Water & Light oil ≤ 20 CST

Temperature: VITON: -10°C to 140°C

Media Temperature: Maximum 110°C

Pressure: See pressures in table below according to Orifice Size

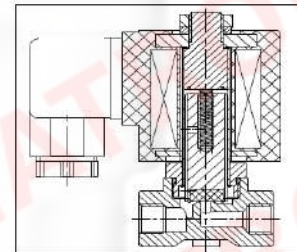
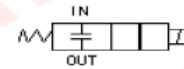
Body: SS316

Port Size (BSP): 1/8" (ONLY 2.5mm) & 1/4"

Orifice: 1.5mm, 2mm, 2.5mm & 3mm

Coil voltages: 220VAC, 110VAC, 48VAC, 24VDC, 24VAC, 12VDC

Coils: IP65, 100%ED



PLZ22 Series, Normally Closed with Coil

Port Size	Orifice (mm)	KV	Min Pressure	Max Pressure		Seals Material	Body Material	Valve Body	Coil
				AC(19VA)	DC(17W)				
1/8"	2.5	0.2	0 Bar	60 Bar	40 Bar	*VITON*	SS316	PLZ22SH025S01V	C17
1/4"	1.5	0.07	0 Bar	130 Bar	86 Bar			PLZ22SH015S02V	C17
1/4"	2.0	0.12	0 Bar	90 Bar	60 Bar			PLZ22SH02S02V	C17
1/4"	2.5	0.20	0 Bar	60 Bar	40 Bar			PLZ22SH025S02V	C17
1/4"	3.0	0.22	0 Bar	30 Bar	20 Bar			PLZ22SH03S02V	C17

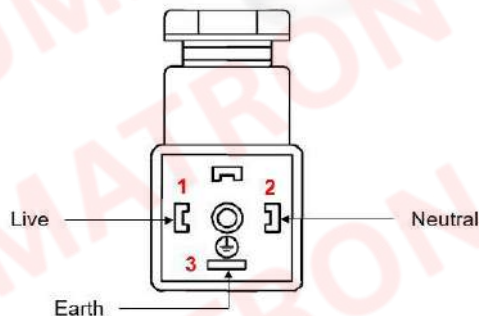
Valve comes standard with VITON Seal, alternative options available: EPDM, PTFE, PEEK

Coil Specifications

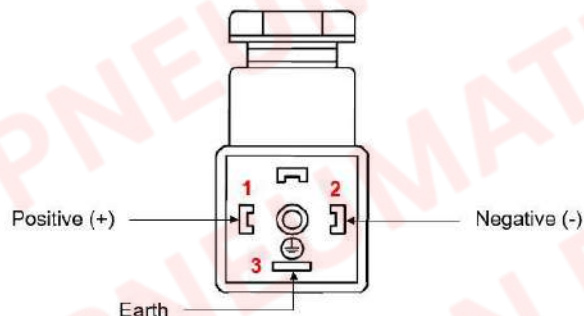
Voltage	Inrush (50HZ VA)	Holding (50HZ VA)	Watt (DC)
AC220V		20	
AC110V		20	
AC48V			
DC24V			17
DC12V			17

DIN Plug Wiring Connections

Wiring Connections AC



Wiring Connections DC



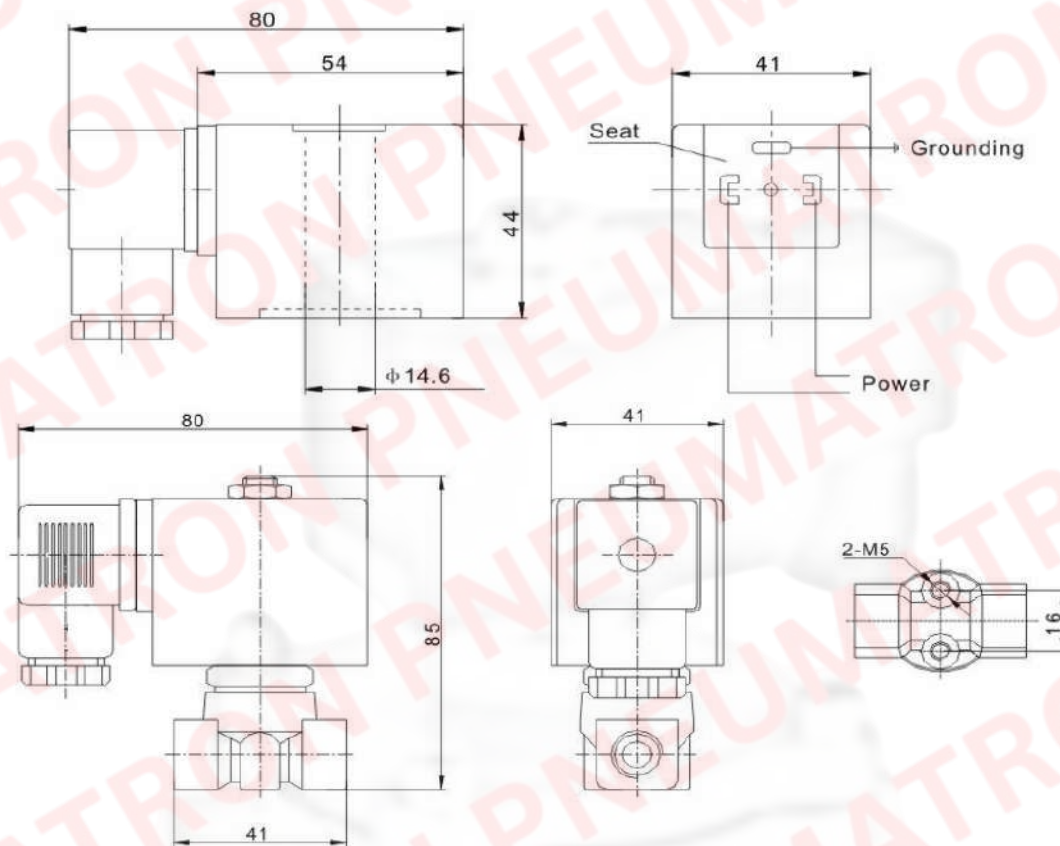
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VALVE INSTALLATION INSTRUCTIONS

1. These valves should be installed horizontally 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 ventilation 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 malfunction.
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.