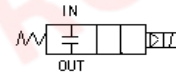


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2/2 Industrial Piston Pilot Operated Solenoid Valve PLA22 Series, Steam/Air/Chemicals (N.C)



Characteristics: Steam Valve with Pilot Operated Piston Construction & PTFE Seals

SPECIAL REQUIREMENT FOR THE USE OF THESE VALVES ARE:

All media lines where these valves are used, need to have minimum of 25 Micron Filtration BEFORE the valve, due to small pilot holes in the valve and piston, as well as the hard PTFE (Teflon) Seal. Without the required filtration the reliability of the valves in operation cannot be guaranteed.

Medium: Air Gas, Water & Light oil ≤ 20 CST
Temperature: PTFE: -20°C to 185°C (with suitable coil ventilation)
Pressure: Steam 185°C: 0.5 to 10 Bar
Standard: 0.5 - 20 Bar (DC Voltage), 0.5 - 25 Bar (AC Voltage)
Body: Stainless Steel SS304
Port Size (BSP): 1/2", 3/4", 1", 1 1/2", 2"
Orifice: 15mm, 20mm, 25mm, 40mm, 50mm
Coil voltages: 220VAC, 110VAC, 24VDC, 12VDC
Coils: Steam Coil with DIN Plug, IP40 (CAW14)
Standard Coil Resin Encapsulated, IP65 100%ED (C14/15)
See coil power rating in table below

Material:

Body: Stainless Steel 304
Seal: PTFE (Teflon)
Pilot Seat: PTFE
Armature Tube: Stainless Steel 304
Plunger: Stainless Steel 430F
Springs: SS304
Shading Rings: Stainless Steel 304

STANDARD (C14)



STEAM (CAW14)



PLA22 Series - Normally Closed, with Coil

Pipe	Orifice (mm)	KV	Seal	Body material	Min Pressure (Bar)	Max pressure (Bar)						Max Temp (°C)		Power consumption				Valve part number	
						Air & Gas		Liquids		Light oil		Steam	Standard coil	Steam Cap Coil	Standard coil		Steam Cap Coil		
						AC	DC	AC	DC	AC	DC	AC/DC			VA (AC)	W (DC)	VA (AC)		W (DC)
1/2"	15	3.89	PTFE	SS304	0.5	25	20	25	20	20	20	10	110	185	20	20	30	25	PLA22SH15S04PT
3/4"	20	7.79			0.5	25	20	25	20	20	20	10	110	185					PLA22SH20S06PT
1"	25	11.3			0.5	25	20	25	20	20	20	10	110	185					PLA22SH25S10PT
1 1/2"	35	22.5			0.5	25	20	25	20	20	20	10	110	185					PLA22SH40S14PT
2"	45	38.9			0.5	25	20	25	20	20	20	10	110	185					PLA22SH50S20PT

Coil Specifications

Coil Type	Voltage	Inrush (50HZ VA)	Holding (50HZ VA)	Watt (DC)
C14	AC220V	82	20	
C15		55	24	
CAW14		67	33	
C14	AC110V	82	28	
C15		55	24	
CAW14		67	33	
C14	DC24V			20
C15				28
CAW14				32
C14	DC12V			20
C15				28,5
CAW14				20

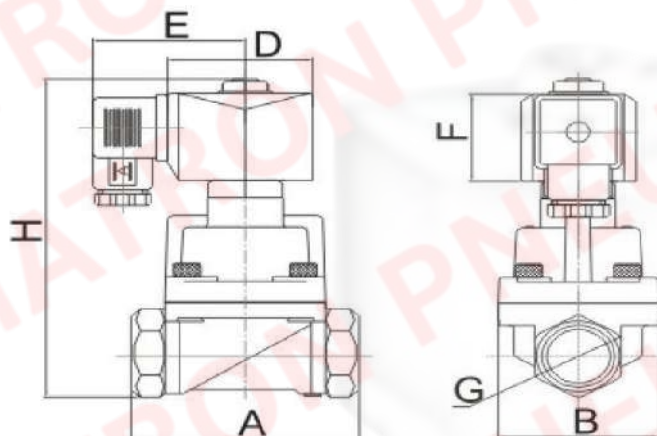
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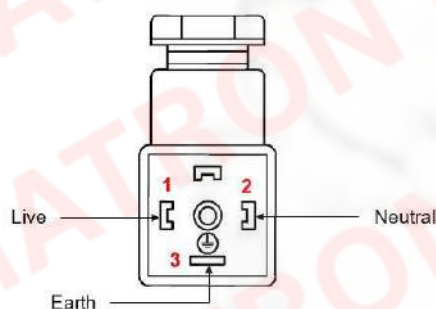
2/2 Industrial Piston Pilot Operated Solenoid Valve PLA22 Series, Steam/Air/Chemicals (N.C)

BODY DIMENSION CODE(Size in mm)			Valve Body
A	B	H	
75	52	129	PLA22SH15S04PT
85	60	141	PLA22SH20S06PT
100	70	148	PLA22SH25S10PT
120	90	168	PLA22SH40S14PT
150	110	190	PLA22SH50S20PT

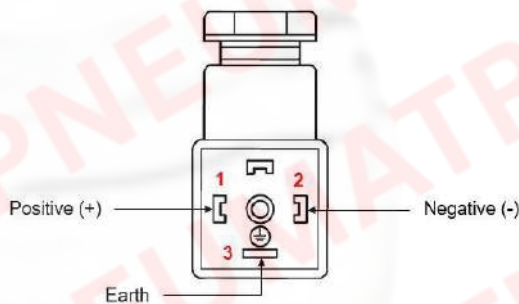


DIN Plug Wiring Connections

Wiring Connections **AC**



Wiring Connections **DC**



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.