

# PNEUMATRON

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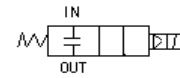
## 2/2 Industrial Direct Acting Solenoid Valve PLB22 Series, Steam/Air/Chemicals (N.C)

- Characteristics:**
1. Pilot operated piston construction with lower power consumption
  2. Seal serves longtime at steam ambient;
  3. Used for long-time working in pipeline system.

**Medium:** High Temperature Steam or Low Temperature Applications  
**Temperature:** PTFE: -10°C to 200°C (with suitable coil ventilation)  
**Pressure:** 0 to 13 Bar  
**Body:** Stainless Steel SS316  
**Port Size (BSP):** 1/4"  
**Orifice:** 3mm  
**Coil voltages:** 220VAC  
**Coils:** **Steam Coil with Lead Wire/DIN Plug, IP40**  
**Standard Coil Resin Encapsulated, IP65 100%ED (C14/15)**

**Material:**

Body: Stainless Steel 316  
 Seal: PTFE (Teflon)  
 Pilot Seat: PTFE  
 Armature Tube: Stainless Steel 304  
 Plunger: Stainless Steel 430F  
 Springs: SS304  
 Shading Rings: Stainless Steel 304



**STEAM COIL**

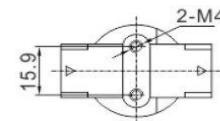
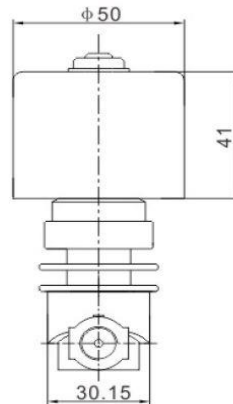
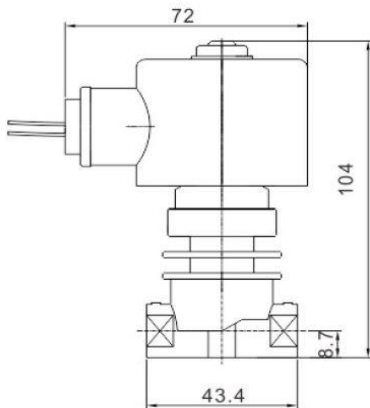


**STANDARD COIL (C14)**



**PLB22 Series - Normally Closed, with Coil**

Port Size	Orifice (mm)	KV	Min Pressure	Max Pressure		Seals Material	Body Material	Valve Body	Coil
				AC (27VA)	DC (24W)				
1/4"	3	0.26	0 Bar	13 Bar	13 Bar	PTFE	SS316	PLB22SH03S02PT	



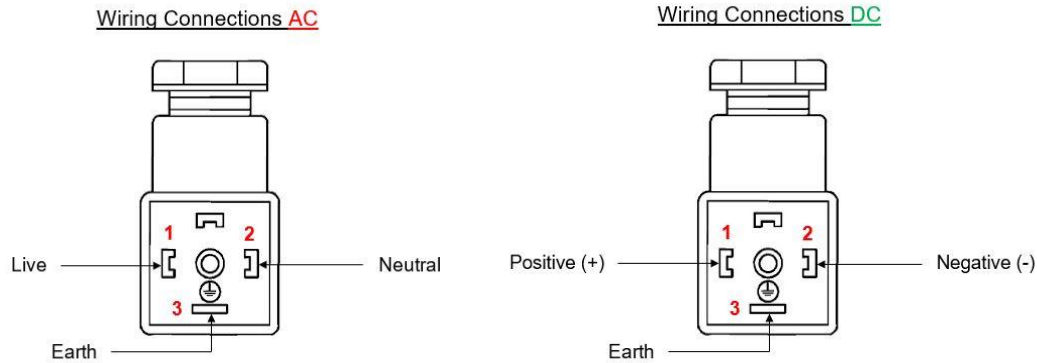
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## 2/2 Industrial Direct Acting Solenoid Valve PLB22 Series, Steam/Air/Chemicals (N.C)

### DIN Plug Wiring Connections



### **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 an 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.