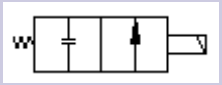
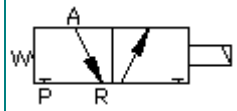
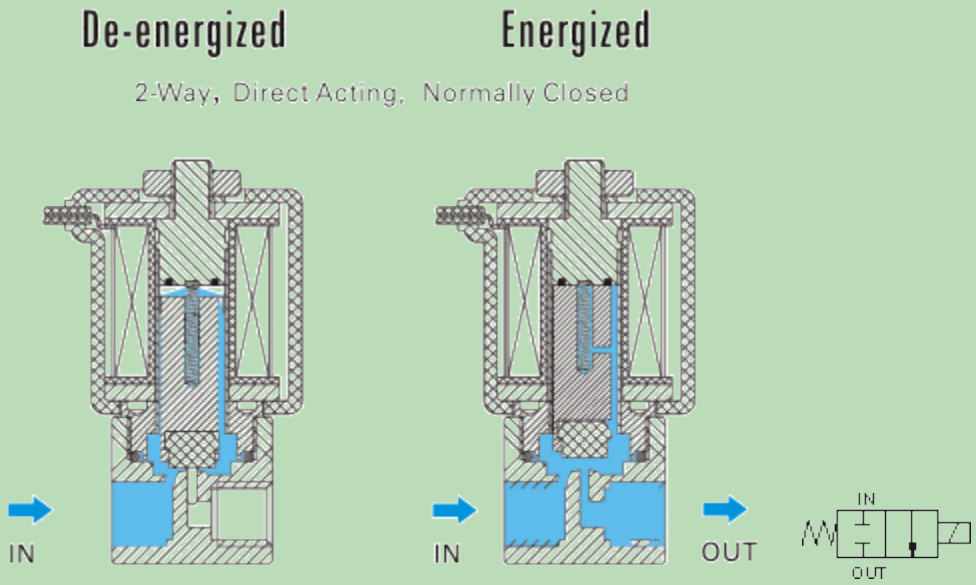
Solenoid Valve Specifications & Dimensions: 2P Series

Part No.	Unit Price	Valve Picture	Port Size (NPT)	Voltage Options	Electrical Entry Options	Port No/ Position/Solenoid	Cv Flow Rate	Response Time	Power Consumption	
2P025 1/8	$19.35		1/8 NPT	1=12VDC 2=24VDC 2A=24VAC 3=110VAC 4=220VAC (50/60Hz)	G=Grommet D= DIN (with LED indicator)	2/2/1 Direct Acting Normally closed Two Way Valve	0.23 22 SCFM @100 PSI	< 20 ms	3W for 40PSI 4.8W for 60 PSI 6.5W for 115 PSI	
2P025 1/4			1/4 NPT							
2P035 1/8			1/8 NPT	1=12VDC 2=24VDC 2A=24VAC 3=110VAC 4=220VAC (50/60Hz)	G=Grommet D= DIN (with LED indicator)	3/2/1 Direct Acting Normally closed Three Way Valve	0.1 5 SCFM @100 PSI	< 20 ms	3W for 40PSI 4.8W for 60 PSI 6.5W for 115 PSI	
2P035 1/4			1/4 NPT							

2P Series Valve Specifications

Port & Mounting	Body Ported
Action & Motion	Direct Acting, Normally Closed, Two Position, 2 to 3 Way
Operating Pressure	28" Hg to 115 PSI (Coil Wattage Dependent)
Working Medium	Air, Inert Gas, & Liquid
Maximum Pressure	150 PSI
Operating Temperature	(-5 to 80 Deg. C) with non-freezing medium
Coil Insulation & Protection Class	F Class, IP65 (CE Certification)
Coil Duty Cycle	100% ED
Electrical Connection	D = DIN (with LED indicator, conduit terminal) G = Grommet (12” Lead Wire)
Body Material	PA66 (Nylon, Engineered Plastic); Wetted Surface: Nylon & Stainless Steel
Seal Material	NBR (Buna N)
Armature Tube	Brass
Plunger & Spring	Stainless steel

2P Series Valves are DIRECT ACTING solenoid valves and do not require a minimum operating differential pressure. As shown below when the coil is energized (right diagram), it lifts the solenoid plunger, which normally rests on the valve seat and lifts it to open the main valve orifice. When the coil is de-energized (right diagram), the spring force the plunger return to the valve seat to close the valve orifice.



Electrical Coil Connections	
For DIN Coil	**To connect DIN coil:** 1. Remove the Philip screw from the plastic housing and unplug it from the DIN coil. 2. From the screw opening, use the screw to push the terminal block out of the plastic housing. 3. Note the 1, 2 and ground markings on underside of DIN enclosure. 4. For DC DIN Coil, Connect 1 to Positive, 2 to Negative. 5. For AC DIN Coil, connect 1 to HOT wire, 2 to Neutral wire, and if required connect ground to ground wire.
For Grommet Coil	**To connect Grommet coil:** 1. For DC Coil, connect one of the two wires to Positive, and the other wire to Negative. 2. For AC Coil, connect one of the two wires to HOT wire, and the other wire to neutral wire.

STC's high performance direct acting plastic body solenoid valves offer reliability, compact and rugged designs, low power consumption, high-speed response, long life cycle - over 10 million cycles, DIN connections and indicator lights, pre-wired electric connections, manifold mounting options, and simple installation, maintenance, and control.

Model: 2P025