

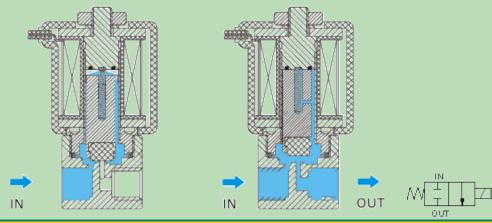
Solenoid Valve Specifications & Dimensions: 2P025-35 Series

1/8 NPT	onsumption	Power Consumption	Response Time	Cv Flow Rate	Port No/ Position/Solenoid	Electrical Entry Options	Voltage Options	Port Size (NPT)	Valve Picture	Unit Price	Part No.	
2P035 1/4 2P035 1/8 2P036 2P03			< 20 ms	22 SCFM	Direct Acting Normally closed	D= DIN (with	2=24VDC 2A=24VAC 3=110VAC				2P025 1/8	
2P Series Valve Specifications Port & Mounting Action & Motion Portaging Pressure Working Medium Working Medium Working Medium Maximum Pressure Operating Temperature Coil Insulation & Protection Class Coil Duty Cycle Electrical Connection 1/8 NPT 1=12VDC 2=24VCC 3=110VAC 4=220VAC (50/60Hz) D= DIN (with LED indicator) 10.1 5 SCFM Normally closed Three Way Valve 0.1 5 SCFM (0.1 5 SCFM (0.1 0 PSI Valve Specifications) 10.1 5 SCFM (0.1 0 PSI Valve Specification) 10.1 5 SCFM (0.1 0 PSI Valve Specificat	or 115 PSI	6.5W for 115 PSI		@1001 GI	Two way valve			1/4 NPT		\$19.35	2P025 1/4	
2P Series Valve Specifications Port & Mounting Action & Motion Operating Pressure Working Medium Maximum Pressure Operating Temperature Coil Insulation & Protection Class Coil Duty Cycle Electrical Connection Part & Coil Duty Cycle De DIN (with LED indicator) Port & Mounting Action & Motion Operating Pressure Coil Duty Cycle De DIN (with LED indicator) Port & Mounting Body Ported Ask for 60 PSI 6.5W for 115 PSI	or 40PSI	3W for 40PSI		0.1				1/8 NPT			2P035 1/8	
Port & Mounting 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)	P R		< 20 ms	5 SCFM	Normally closed	D= DIN (with LED	3=110VAC 4=220VAC D=	1/4 NPT			2P035 1/4	
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)	2P Series Valve Specifications											
Operating Pressure Working Medium Air, Inert Gas, & Liquid Maximum Pressure Operating Temperature Coil Insulation & Protection Class Coil Duty Cycle Electrical Connection Coil Coil Coil Coil Coil Coil Coil Coil		ed	Body Porte				Port & Mounting					
Working Medium Maximum Pressure Operating Temperature Coil Insulation & Protection Class Coil Duty Cycle Electrical Connection Air, Inert Gas, & Liquid (-5 to 80 Deg. C) with non-freezing medium F Class, IP65 (CE Certification) 100% ED D = DIN (with LED indicator, conduit terminal) G = Grommet (12" Lead Wire)	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>				Action & Motion					
Maximum Pressure 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)	ependent)		-		28" Hg							
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Coil Duty Cycle 100% ED Electrical Connection D = DIN (with LED indicator, conduit terminal) G = Grommet (12" Lead Wire)	g mealum		,		,							
Electrical Connection D = DIN (with LED indicator, conduit terminal) G = Grommet (12" Lead Wire)	onl	, , ,										
Body Material PA66 (Nylon, Engineered Plastic); Wetted Surface: Nylon & Stainle	on)	Electrical Connection D = DIN (with LED indicator, conduit terminal)										
	it terminal)		nmet (12" l	G = Gron								
Seal Material NBR (Buna N)	it terminal) re)	_ead Wire)	•		66 (Nylon, Enginee	PA		erial	Body Mate			
Armature Tube Brass	it terminal) re)	_ead Wire) Surface: Nylon &	ic); Wetted	ered Plasti	66 (Nylon, Enginee	PA			•			
Plunger & Spring Stainless steel	it terminal) re)	_ead Wire) Surface: Nylon &	ic); Wetted IBR (Buna	ered Plasti	66 (Nylon, Enginee	PA		rial	Seal Mate			



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.

De-energized Energized 2-Way, Direct Acting, Normally Closed



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: For DC Coil, connect one of the two wires to Positive, and the other wire to Negative. 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.



