

Solenoid Valve Specifications and Dimensions: 2S025-050 Series

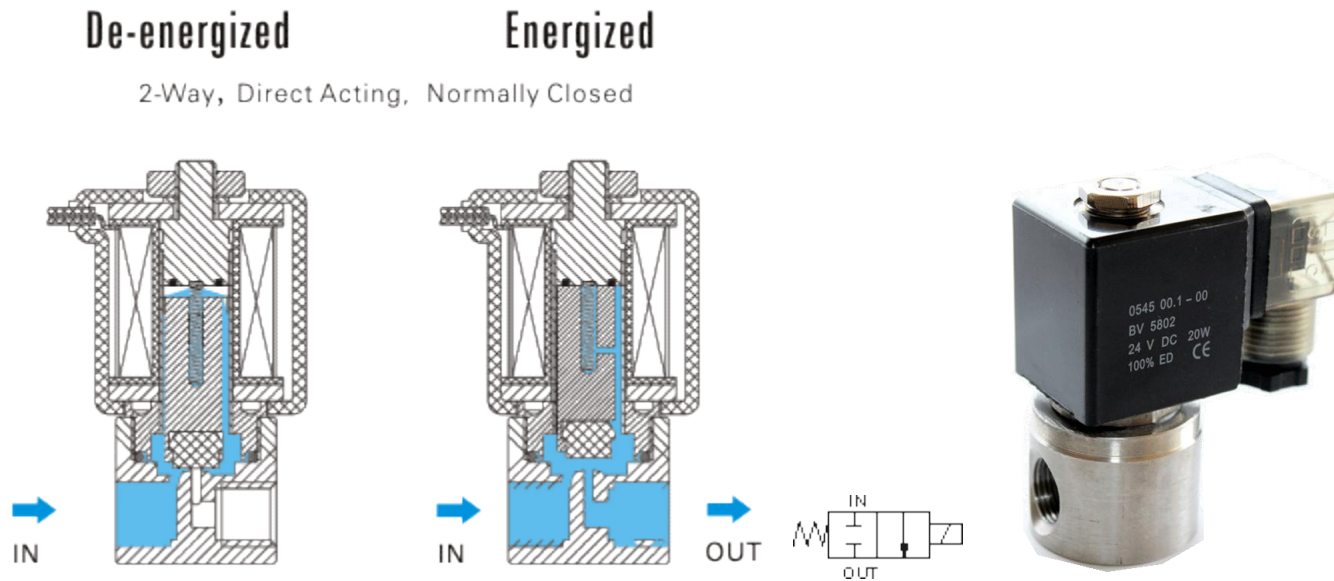
Valve Model	2S025	2S035	2S040	2S050	2S050
Valve Type	2 Way Normally Closed (NC)				
Action	Direct Acting				
Port Size (NPT)	1/4	1/4	3/8	1/4	3/8
Cv (Orifice)	0.23 (2.5mm)	0.5 (3.5mm)	0.6 (4mm)	1.0 (5mm)	1 (5mm)
Operating Pressure	0 to 200 PSI	0 to 170 PSI	0 to 150 PSI	0 to 80 PSI	0 to 80 PSI
Operating Temperature	14 -176 °F (-10 TO 80 °C), with NBR Seal; 5 to 248 °F with Viton Seal;				
Body Materials	Stainless Steel				
Seal Materials	NBR (Options: Viton)				
Coil Protection Insulation Class	H Class IP65				
Coil Duty	100% ED				
Coil Power	14-20W				
Electrical Connections	D = DIN (with LED indicator, conduit terminal) G = Grommet (12" Lead Wire)				
Service	Air, Liquid, Oil, Water				

ALL Standard valves are supplied with CONTINUOUS DUTY COILS of the proper class of insulation for the service indicated on the valve. The coil temperature may become hot after being energized for extended periods, but it is normal. Smoke or burning odor indicates excessive coil temperature and should disconnect the power to the coil immediately.

VOLTAGES: Standard: 12 & 24V DC and 24, 110 & 220V/50-60 Hz AC. Voltage tolerances: +10% -5% for DC, +10%-10% for AC; .

SERVICE LIFE: The service life of the solenoid valve depends on the operating conditions such as pressure, temperature, type of medium and the voltage, normally the STC solenoid valves are reliable for 1 to 5 million cycles.

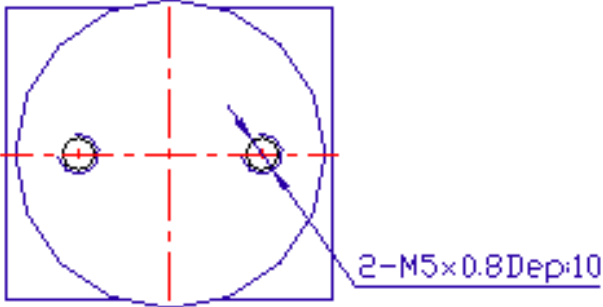
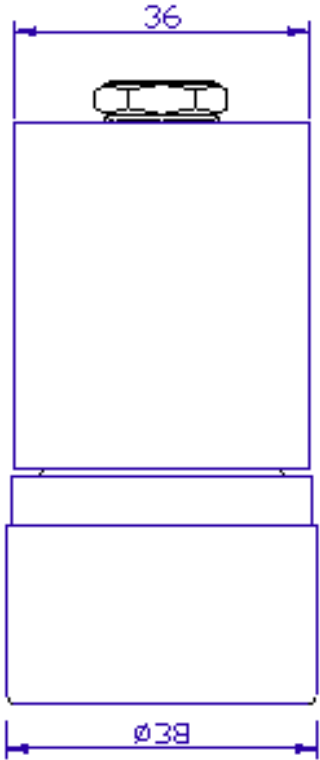
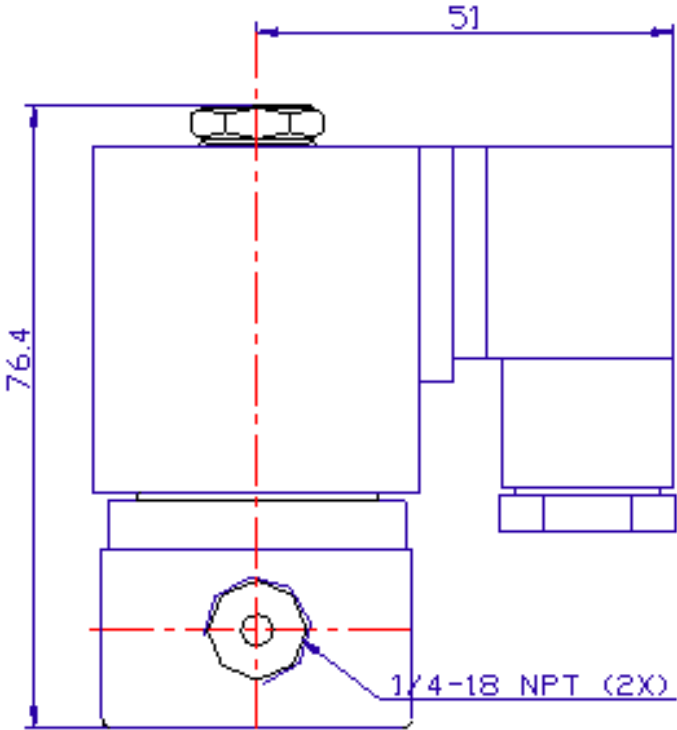
2S025-050 are DIRECT ACTING solenoid valves and do not require a minimum operating differential pressure. As shown below when the coil is energized (right diagram), it lifts the solenoid plunger, which normally rests on the valve seat and lifts it to open the main valve orifice. When the coil is de-energized (left diagram), the spring force the plunger return to the valve seat to close the valve orifice.



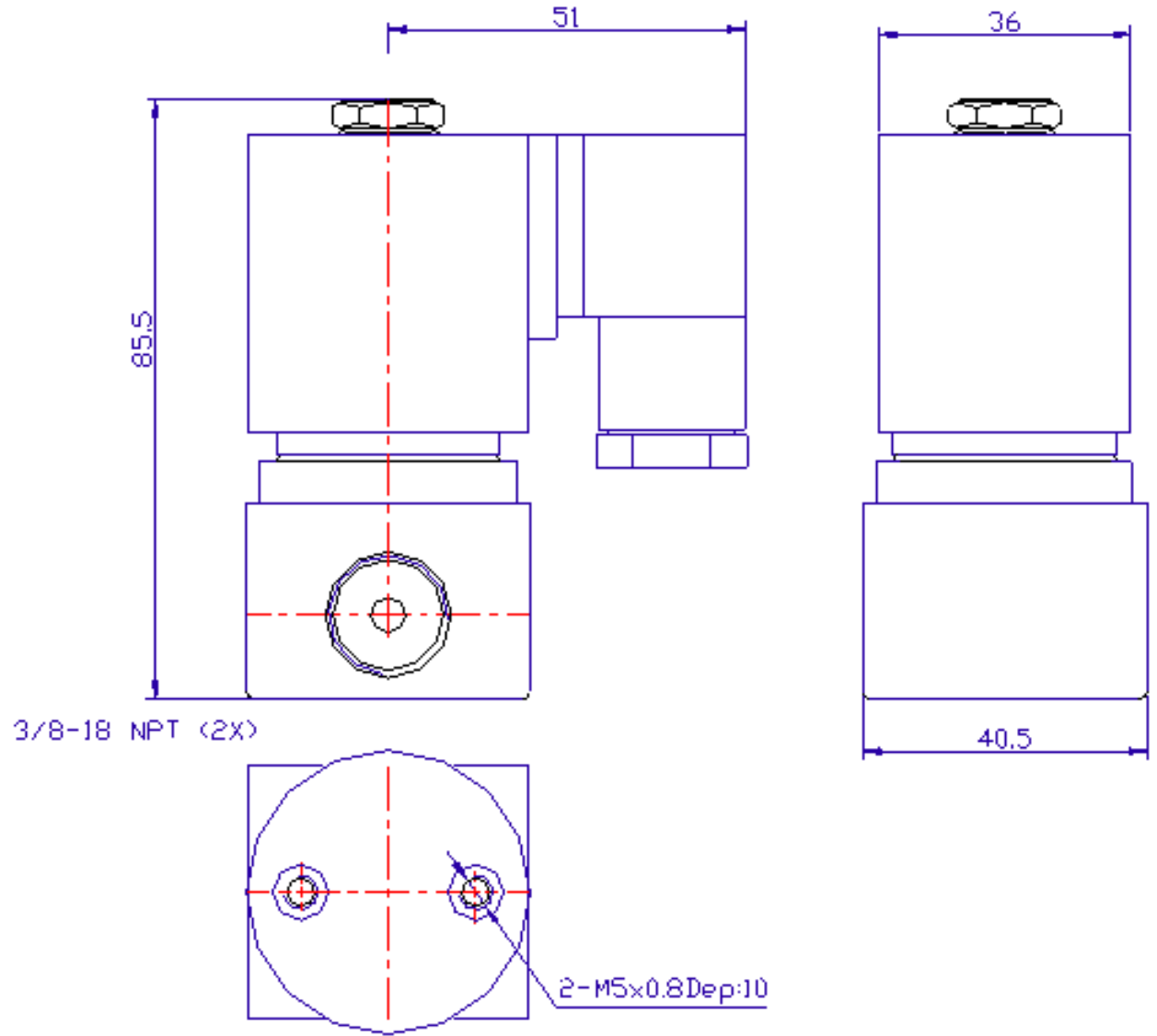
Electrical Coil Connections

Electrical Coil Connections	
For DIN Coil	<p style="text-align: center;">To connect DIN coil:</p> <ol style="list-style-type: none"> 1. Remove the Philip screw from the plastic housing and unplug it from the DIN coil. 2. From the screw opening, push the terminal block out from 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	<p style="text-align: center;">To connect Grommet coil:</p> <ol style="list-style-type: none"> 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.

MODEL: 2S025-1/4



MODEL: 2S040-3/8



MODEL:2S050-1/4

