

## 1/2 Inch Nylon/Brass 110-120 VAC Normally Closed Solenoid Valve NPS thread with built-in filter and check valve

<b>Highlight</b>	
Body Material	<b>Plastic (Nylon) with brass connectors</b>
Operation Mode	<b>N/C (normally closed)</b>
Pipe Size	<b>1/2" NPS (same as NPT except no tapering)</b>
Voltage	<b>110-120 VAC</b>
Diaphragm/Seal Material	<b>NBR</b>
Applications	<b>Space-limited, energy-efficient, home, hobbyist</b>
<b>Mechanical</b>	
Operation Type	<b>2-way 2-position direct lift diaphragm</b>
Operation Mode	<b>Normally closed (valve opens when coil is energized)</b>
Connection	<b>1/2" NPS male (14 TPI, same as 1/2" NPT but straight)</b>
Orifice Diameter	<b>3/8" (9 mm)</b>
Flow Rate	<b>Cv = 1.8 (gallon per minute GPM water at 1 psi 60 °F)</b>
Flow Direction	<b>Unidirectional (follow the arrow on valve body)</b>
Media	<b>Water, air, natural gas, propane, butane, petroleum oil, mineral oils, diesel, low viscosity fluid, etc. (Do NOT use with gasoline)</b>
Operating Pressure Differential	<b>3-120 psi (0.02-0.83 MPa)</b>
Operating Temperature	<b>15-125 °F (-10~50 °C)</b>
Media Temperature	<b>15-180 °F (-10~80 °C)</b>
Dimensions	<b>W×L×H = 2.02×3.02×3.22 inch (51.2×76.7×81.8 mm)</b>
Weight	<b>7.2 oz</b>
<b>Electrical</b>	
Voltage	<b>110-120 VAC</b>
Current	<b>60 mA</b>
Wattage	<b>7 Watt</b>
Coil	<b>Copper wire in resin casing with steel frame</b>
Connectors	<b>Male disconnect terminals</b>
<b>Material</b>	
Body	<b>Nylon (high-strength engineering plastic)</b>
Insert	<b>Stainless steel (plunger, spring, etc.)</b>
Built-in filter and check valve	<b>Nylon</b>
Diaphragm	<b>NBR with nylon support</b>
Seal	<b>NBR (aka Buna-N, Perbunan, and nitrile rubber)</b>