

General Purpose Mini-Solenoid Valve

Stainless Steel Body | 2-Way Direct Acting | 1/4"



Features

- Provides on/off control of inert liquids and gases
- Fast-acting response time
- Designed for operation under low differential pressure conditions
- Direct-acting plunger design enables stable operation under low and zero differential pressure conditions.
- Can be mounted vertically or horizontally
- Compact body design ideal for tight spaces
- Equipped with Viton seal for compatibility with water, air, weak acids, diesel fuel, and other media
- Durable stainless steel construction suited for a wide range of compatible media including water, air, and light oil
- Engineered for durability and long service life under frequent switching conditions
- Suitable for industrial automation and general fluid control applications

Materials of Construction

Valve Parts	Material
Body	Stainless Steel 316
Components	Stainless Steel 304
Seal	Viton®
Shading Ring	Copper

*Consult a chemical compatibility expert for correct seal and valve body material choice.
 **A pre-filter is recommended to prevent debris from damaging the sealing surface and internal components

Industrial Applications

- Humidifiers and Small-scale Environmental Control Systems
- Gas Purging and Venting Lines
- Air Cooling and Circulation Systems
- Compact Air Conditioning and Localized Air Handling Equipment
- Light Chemical and Weak Acid Dosing Systems (compatible media only)
- Test Benches and Calibration Rigs
- Industrial Water Control
- Air Compressors Auxilliary and Pneumatic Control Systems
- Water Treatment and Filtration Equipment
- Process Water and Utility Distribution Network
- Fluid Dispensing and Dosing System
- Packaging Machines Using Air or Gas Assist
- Laboratory and Analytical Equipment
- Food and Beverage Process Equipment (Non-Sanitary Applications)
- Skid-Mounted Process Equipment

*These are not intended for use in medical life support, combustion, aviation, aerospace, automotive or similar applications

Approvals

- CE compliant for EMC in accordance with: EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3

Specifications

Pipe Connection		Orifice (mm)	Flow Coefficient Value Cv	Flow Rate GPM @60 PSI	Operating Pressure (psi)						Operating Temperature (°F)				
					Water		Air		Light Oil						
					Size (in)	Thread Connection	Min	Max	Min	Max	Min	Max	Min	Max	
1/4	NPT - Female	3.0	0.20	1.50	0	115	100	0	145	145	0	70	70	15	250

*Valves are designed to be normally closed (NC)

**There is no minimum pressure requirement, however, this valve may not be suitable for gravity-fed applications due to its small orifice size

Electrical Data

Pipe Size (in)	Power Rating (Holding)				Coil Connection	Coil Class	Protection Class
	AC, 60 Hz VA		DC Watts				
	24V	110V	12V	24V			
1/4	10		8		Lead Wires	F	IP 65

- (1) Valves are designed to be normally closed (NC)
- (2) Valves are suitable for continuous energization (100% duty cycle) within rated voltage and ambient temperature limits
- (3) AC power ratings shown represent steady state (Holding) VA at rated voltage, 50/60 Hz, and 40 °C (104 °F) ambient temperature
- (4) Electrical values are nominal with a tolerance of ±10 % unless otherwise specified

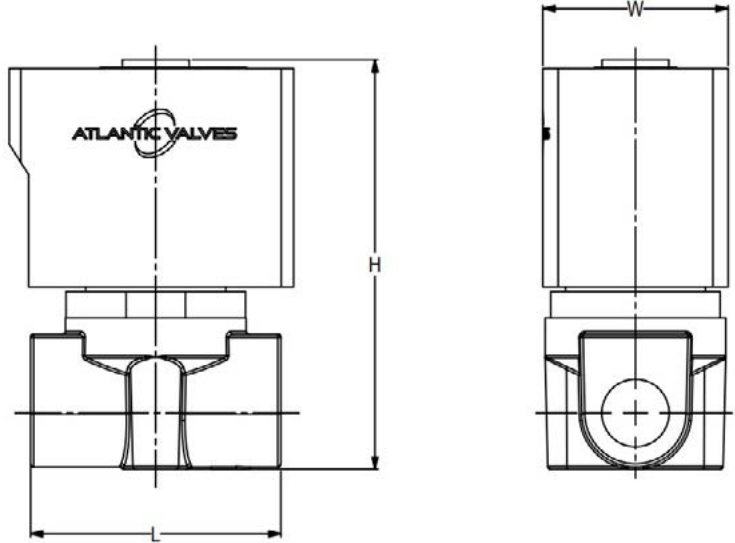
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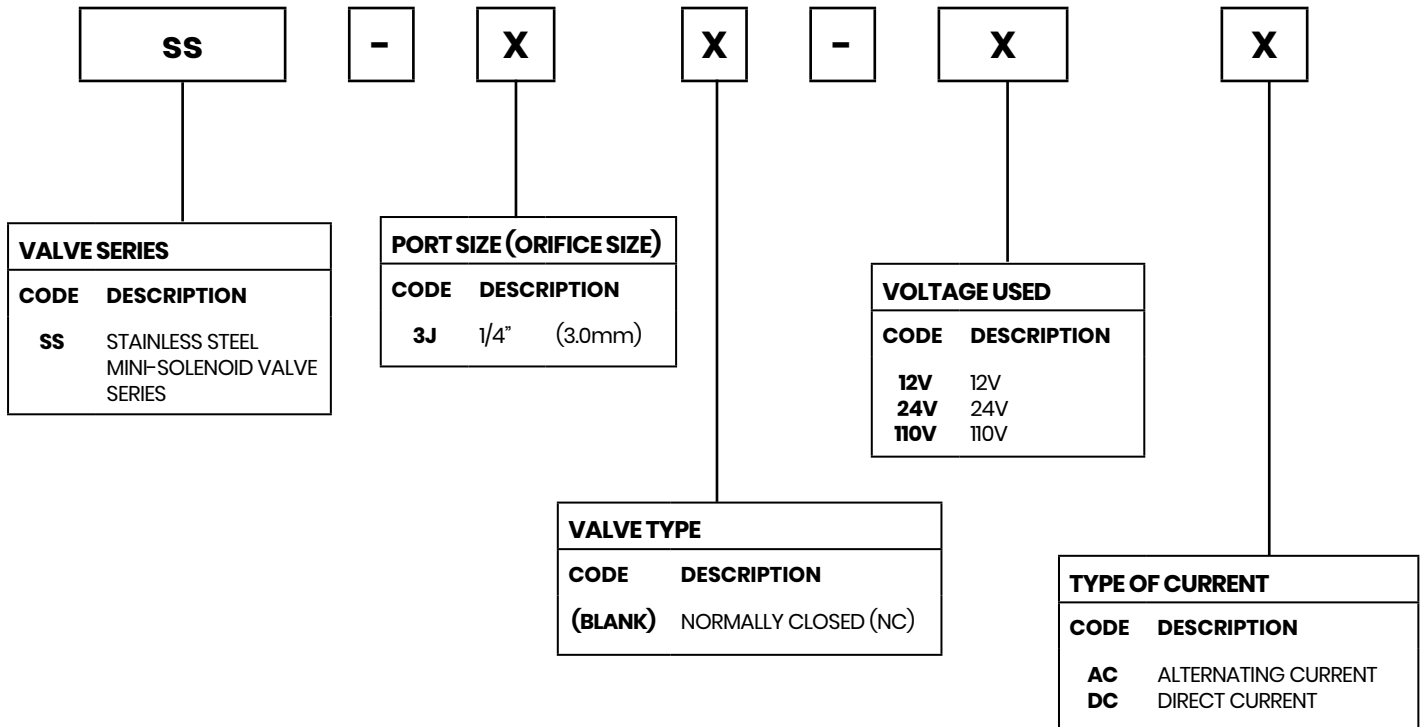
Dimension

Pipe Size (in)	Dimension (in)			Weight (lb)
	H	L	W	
NORMALLY CLOSED (NC)				
1/4	2.62	1.60	1.20	0.63

- (1) Weight and dimension may vary slightly from production
- (2) Dimension shown are nominal and provided for reference only
- (3) Dimension tolerance: ± 5% unless otherwise specified
- (4) H = Overall Height, L = Port to Port Length, W = Overall Width



Product Ordering Code



EXAMPLE:

SS-3J-110VAC indicates a stainless steel body mini-solenoid valve, 1/4" NPT-Female, normally closed configuration with 110V AC coil