

General Purpose Mini-Solenoid Valve

Brass Body | 2-Way Direct Acting | 1/8" to 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, and other media
- Durable brass 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 commercial and residential applications

Materials of Construction

Valve Parts	Material
Body	Brass
Components	Stainless Steel
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
- Air Cooling and Circulation Systems
- Compact Air Conditioning and Localized Air Handling Equipment
- 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

*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

Electrical Data

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

- (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

Specifications

Pipe Connection		Orifice (mm)	Flow Coefficient Value Cv	Flow Rate GPM @60 PSI	Operating Pressure (psi)			Operating Temperature (°F)	
Size (in)	Thread Connection				Min	Max		Min	Max
1/8	NPT - Female	2.0	0.12	0.90	0	145	115	15	250
1/4	NPT - Female	3.0	0.20	1.50	0	115	100	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

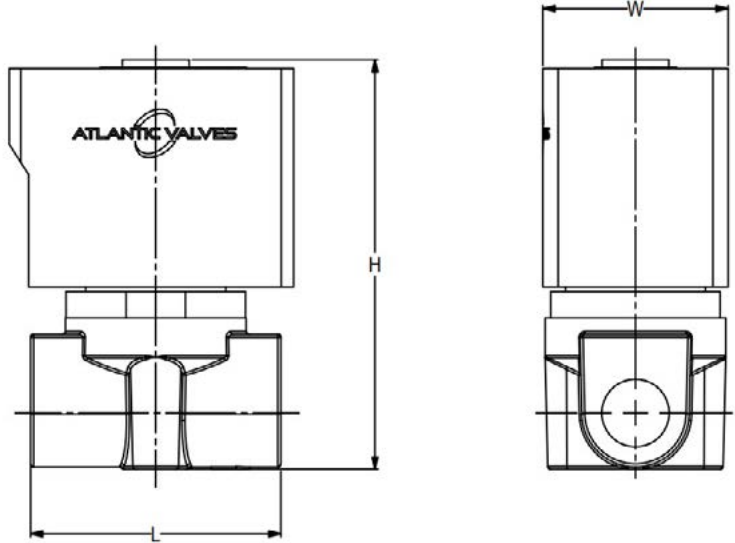
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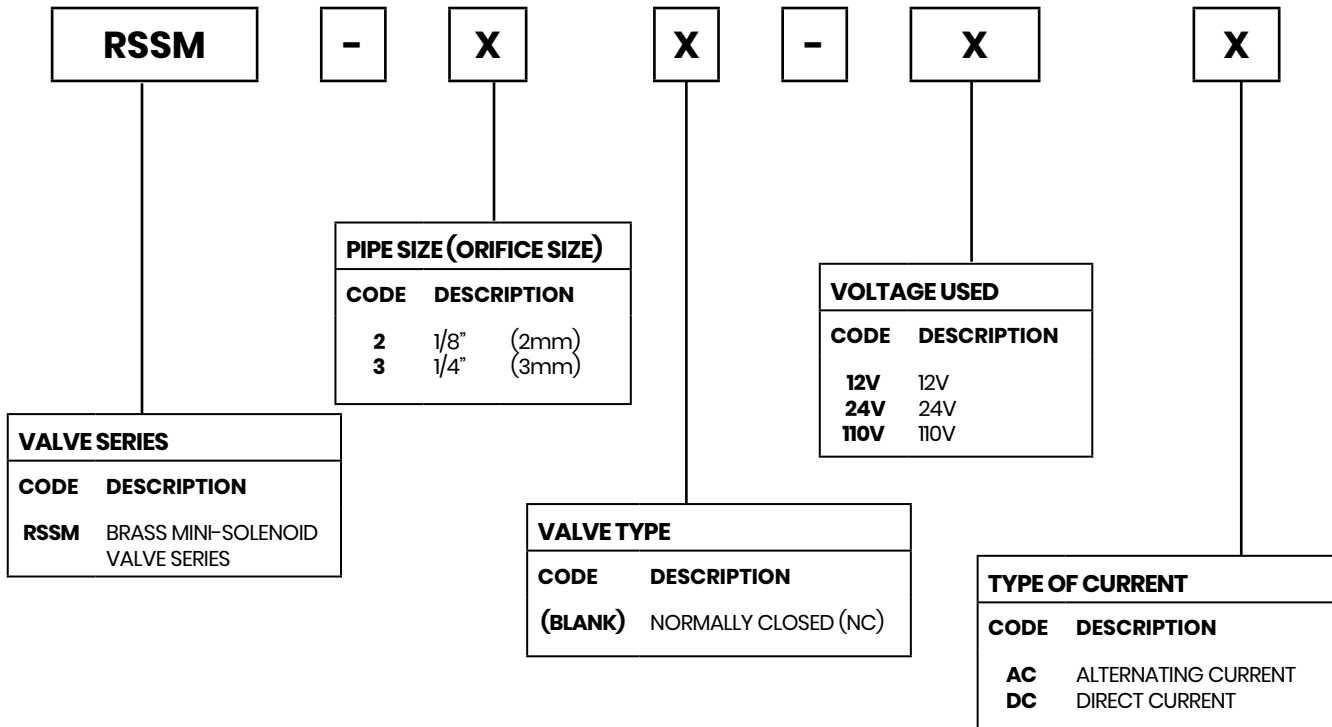
Dimension

Pipe Size (in)	Dimension (in)			Weight (lb)
	H	L	W	
NORMALLY CLOSED (NC)				
1/8	2.62	1.60	1.20	0.63
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:

RSSM-2-110VAC indicates a brass body mini-solenoid valve series, 1/8" NPT-Female, normally closed configuration with 110V AC coil