Steam Solenoid Valve

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

ATLANTIC VALVES

SRS SERIES

Features

- Provides on/off control of steam, inert liquids and gases
- Fast-acting response time
- Designed for operation under high temperature and high differential pressure conditions
- Can be mounted vertically or horizontally
- Durable stainless steel construction suitable for steam, hot water, inert air and gases within specified operating limits
- Suitable for high-temperature and high-pressure commercial and residential applications

Materials of Construction

Valve Parts	Material
Body	Stainless Steel
Components	Stainless Steel
Seal	PTFE
Shading Ring	Copper

*Consult a chemical compatibility expert for correct seal and valve body material choice.

Industrial Applications

- Steam Humidification Systems
- Steam Ovens and Thermal Processing Equipment
- Sterilization and Cleaning Systems
- Air Compressor Auxilliary and Pneumatic Control Systems
- Hot Water and Condensate Control Systems
- Boiler Auxilliary and Steam Distribution Systems
- Fluid Dispensing and Controlled Dosing Systems
- Process Water Distribution
- Test Benches, Calibration Rigs, and Laboratory Equipment
- Packaging Machines Using Air or Gas Assist

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

Electrical Data

Pipe Size (in)	Power Rating (Holding)					Coil Connection	Protection Class
	AC , 60 Hz VA			DC Watts			
	24V	110V	220V	12V	24V		
1/2	40			32		DIN 43650A	NEMA 4 / IP 65
3/4	40			32			
1	36			38			
1 1/4	(1)	50	48	(1)	42	Lead Wires	IP 65
1 1/2		50	48		42		
2		50	48		42		

(1) 24V AC and 12V DC are not offered for this model and size
(2) Valves are designed to be normally closed (NC)
(3) Valves are suitable for continuous energization (100% duty cycle) within rated voltage and ambient temperature limits
(4) AC power ratings shown represent steady state (Holding) VA at rated voltage, 50/60 Hz, and 40 °C (104 °F) ambient temperature
(5) Electrical values are nominal with a tolerance of ±10 % unless otherwise specified

Approvals

- CE certified for EMC Compliance. Meets EN 61000-6-3:2007 + A1:2011 and EN 61000-6-1:2007
- RoHS compliant in accordance with Directive 2011/65/EU

Specifications

Pipe Connection		Orifice (mm)	Flow Coefficient Value Cv	Flow Rate GPM @60 PSI	Operating Pressure (psi)						Operating Temperature (°F)	
					Min	Max						
						AC			DC			
Size (in)	Thread Connection					24V	110V	220V	12V	24V	Min	Max
1/2	NPT - Female	15	4.8	36	0	145			90		32	356
3/4	NPT - Female	20	7.6	58	0	145			90		32	356
1	NPT - Female	25	12.0	92	0	145			90		32	356
1 1/4	NPT - Female	32	24.0	185	0	*	145		*	70	32	356
1 1/2	NPT - Female	40	30.0	230	0	*	145		*	70	32	356
2	NPT - Female	50	48.0	370	0	*	145		*	70	32	356

*24V AC and 12V DC are not offered for this model and size
**Valves are desiged to be normally closed (NC)
***The valve operates independently of pressure differential, allowing reliable opening and closing even when inlet and outlet pressures are equal
****It is recommended to install a check valve downstream to prevent back pressure and ensure optimal valve operation

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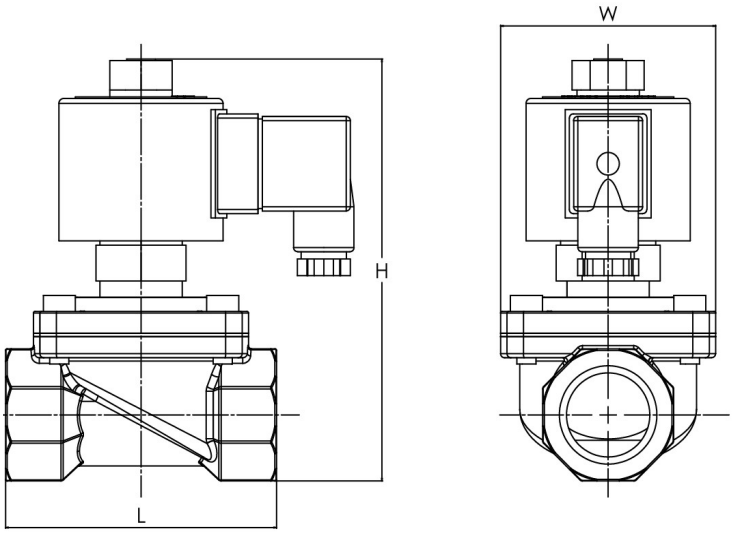
SRS SERIES

Dimension

Pipe Size (in)	Dimension (in)			Weight (lb)
	H	L	W	
NORMALLY CLOSED (NC)				
1/2	4.80	2.64	2.20	1.76
3/4	5.51	3.15	2.36	2.20
1	5.94	3.62	2.36	3.31
1 1/4	6.89	3.80	2.95	4.20
1 1/2	7.20	4.65	3.66	5.73
2	7.95	5.91	4.57	9.04

(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

S	RS	-	15		-	110V	AC

VALVE BODY MATERIAL

CODE	DESCRIPTION
S	STAINLESS STEEL

VALVE SERIES

CODE	DESCRIPTION
RS	STEAM SOLENOID VALVE SERIES

PIPE SIZE

CODE	DESCRIPTION
15	1/2" (DN15)
20	3/4" (DN20)
25	1" (DN25)
32	1 1/4" (DN32)
40	1 1/2" (DN40)
50	2" (DN50)

VALVE TYPE

CODE	DESCRIPTION
(BLANK)	NORMALLY CLOSED (NC)

VOLTAGE USED

CODE	DESCRIPTION
12V	12V
24V	24V
110V	110V
220V	220V

TYPE OF CURRENT

CODE	DESCRIPTION
AC	ALTERNATING CURRENT
DC	DIRECT CURRENT

EXAMPLE:
SRS-15-110VAC indicates an stainless steel body Steam Solenoid Valve (RS series valve), 1/2" NPT-Female, normally closed configuration with 110V AC coil