

# Steam Solenoid Valve

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



## 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

## 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

## 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

## 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
						AC			DC			
		24V	110V	220V		12V	24V					
1/2	NPT - Female	0	145			90		32	356			
3/4	NPT - Female	0	145			90		32	356			
1	NPT - Female	0	145			90		32	356			
1 1/4	NPT - Female	0	*	145		*	70	32	356			
1 1/2	NPT - Female	0	*	145		*	70	32	356			
2	NPT - Female	0	*	145		*	70	32	356			

\*24V AC and 12V DC are not offered for this model and size

\*\*Valves are designed 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

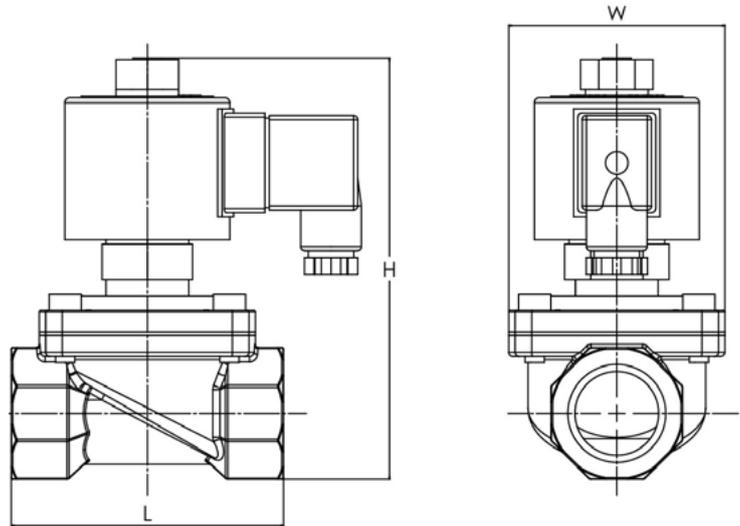
# Steam Solenoid Valve

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

## Dimension

Pipe Size (in)	Dimension (in)			Weight (lb)
	H	L	W	
<b>NORMALLY CLOSED (NC)</b>				
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

<b>S</b>	<b>RS</b>	-	<b>15</b>		-	<b>110V</b>	<b>AC</b>																																						
<b>VALVE BODY MATERIAL</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>S</td> <td>STAINLESS STEEL</td> </tr> </tbody> </table>	CODE	DESCRIPTION	S	STAINLESS STEEL	<b>VALVE SERIES</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>RS</td> <td>STEAM SOLENOID VALVE SERIES</td> </tr> </tbody> </table>	CODE	DESCRIPTION	RS	STEAM SOLENOID VALVE SERIES	-	<b>PIPE SIZE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>1/2" (DN15)</td> </tr> <tr> <td>20</td> <td>3/4" (DN20)</td> </tr> <tr> <td>25</td> <td>1" (DN25)</td> </tr> <tr> <td>32</td> <td>1 1/4" (DN32)</td> </tr> <tr> <td>40</td> <td>1 1/2" (DN40)</td> </tr> <tr> <td>50</td> <td>2" (DN50)</td> </tr> </tbody> </table>	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)		-	<b>VOLTAGE USED</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>12V</td> <td>12V</td> </tr> <tr> <td>24V</td> <td>24V</td> </tr> <tr> <td>110V</td> <td>110V</td> </tr> <tr> <td>220V</td> <td>220V</td> </tr> </tbody> </table>	CODE	DESCRIPTION	12V	12V	24V	24V	110V	110V	220V	220V	<b>TYPE OF CURRENT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>AC</td> <td>ALTERNATING CURRENT</td> </tr> <tr> <td>DC</td> <td>DIRECT CURRENT</td> </tr> </tbody> </table>	CODE	DESCRIPTION	AC	ALTERNATING CURRENT	DC	DIRECT CURRENT
CODE	DESCRIPTION																																												
S	STAINLESS STEEL																																												
CODE	DESCRIPTION																																												
RS	STEAM SOLENOID VALVE SERIES																																												
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)																																												
CODE	DESCRIPTION																																												
12V	12V																																												
24V	24V																																												
110V	110V																																												
220V	220V																																												
CODE	DESCRIPTION																																												
AC	ALTERNATING CURRENT																																												
DC	DIRECT CURRENT																																												
<b>VALVE TYPE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>(BLANK)</td> <td>NORMALLY CLOSED (NC)</td> </tr> </tbody> </table>				CODE	DESCRIPTION	(BLANK)	NORMALLY CLOSED (NC)																																						
CODE	DESCRIPTION																																												
(BLANK)	NORMALLY CLOSED (NC)																																												

### 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