

# SOLVLVNO

## Datasheet

2-Way, Internally Piloted  
 Normally Open, 1/2" - 2"  
 NPT, Potable Water



120VAC, 24VAC  
 or 24VDC  
 Power Input



UL Listed



Normally  
 Open



1/2" to 2" NPT  
 Available For This  
 Model  
 Various Other Sizes  
 Also Available

### Standards



### Product Overview

CGS water solenoid valves are normally open (N/O) and constructed with a durable lead free brass body, two-way inlet and outlet ports.

### Sizes Available

#### 120VAC Models

Valve Size " (inch) NPT	CGS Part Number
1/2"	SOLVLVNO12
3/4"	SOLVLVNO34
1"	SOLVLVNO1
1+1/4"	SOLVLVNO114
1+1/2"	SOLVLVNO112
2"	SOLVLVNO2

#### 24VDC & 24VAC Models

Valve Size " (inch) NPT	CGS Part Number
1/2"	SOLVLVNO12-24VDC or AC
3/4"	SOLVLVNO34-24VDC or AC
1"	SOLVLVNO1-24VDC or AC
1+1/4"	SOLVLVNO114-24VDC or AC
1+1/2"	SOLVLVNO112-24VDC or AC
2"	SOLVLVNO2-24VDC or AC

### Electrical Specifications

<b>Voltage</b>	120VAC / 24VAC	<b>Voltage</b>	24VDC
<b>Inrush VA</b>	50/60Hz 82VA	<b>Frequency Hz</b>	DC
<b>Holding VA</b>	50/60Hz 28VA	<b>Power (W)</b>	20 W
<b>Rating</b>	Nema 4	<b>Rating</b>	Nema 4
<b>Coil Type</b>	D	<b>Coil Type</b>	D
<b>Coil Class</b>	F	<b>Coil Class</b>	F

### Materials of Construction

<b>Body</b>	Lead Free Brass
<b>Armature Tube</b>	Stainless Steel 300
<b>Fixed Core</b>	Stainless Steel 400
<b>Plunger</b>	Stainless Steel 400
<b>Spring</b>	Stainless Steel 300
<b>Shading Ring</b>	Copper
<b>Orifice</b>	Lead Free Brass

## Technical Specifications

### 120VAC Models

Pipe Size (Inch)	Orifice (Inch)	Flow Factor (CV)	Pressure (PSI)	Temp. Range	Voltage	Inrush VA Rating	Holding VA Rating	External Dimensions Length x Width x Height (Inches)	Model	Connector Supplied	Medium Examples	Sealing Material
1/2"	1/2"	4.5	0.5-190	32-266°F	120VAC	82	28	2.59 x 1.89 x 4.89	SOLVLVNO12	Wire Connector	Potable Water	EPDM
3/4"	3/4"	7.6	0.5-190	32-266°F	120VAC	82	28	2.95 x 2.28 x 5.12	SOLVLVNO34	Wire Connector	Potable Water	EPDM
1"	1"	12	0.5-190	32-266°F	120VAC	82	28	3.78 x 2.76 x 5.16	SOLVLVNO1	Wire Connector	Potable Water	EPDM
1 1/4"	1 1/4"	22	0.5-115	32-266°F	120VAC	82	28	5.16 x 3.78 x 6.22	SOLVLVNO114	Wire Connector	Potable Water	EPDM
1 1/2"	1 1/2"	30	0.5-115	32-266°F	120VAC	82	28	5.16 x 3.78 x 6.22	SOLVLVNO112	Wire Connector	Potable Water	EPDM
2"	2"	48	0.5-115	32-266°F	120VAC	82	28	6.50 x 4.72 x 7.04	SOLVLVNO2	Wire Connector	Potable Water	EPDM

### 24VAC Models

Pipe Size (Inch)	Orifice (Inch)	Flow Factor (CV)	Pressure (PSI)	Temp. Range	Voltage	Inrush VA Rating	Holding VA Rating	External Dimensions Length x Width x Height (Inches)	Model	Connector Supplied	Medium Examples	Sealing Material
1/2"	1/2"	4.5	0.5-190	32-266°F	24VAC	82	28	2.59 x 1.89 x 4.89	SOLVLVNO12-24VAC	Wire Connector	Potable Water	EPDM
3/4"	3/4"	7.6	0.5-190	32-266°F	24VAC	82	28	2.95 x 2.28 x 5.12	SOLVLVNO34-24VAC	Wire Connector	Potable Water	EPDM
1"	1"	12	0.5-190	32-266°F	24VAC	82	28	3.78 x 2.76 x 5.16	SOLVLVNO1-24VAC	Wire Connector	Potable Water	EPDM
1 1/4"	1 1/4"	22	0.5-115	32-266°F	24VAC	82	28	5.16 x 3.78 x 6.22	SOLVLVNO114-24VAC	Wire Connector	Potable Water	EPDM
1 1/2"	1 1/2"	30	0.5-115	32-266°F	24VAC	82	28	5.16 x 3.78 x 6.22	SOLVLVNO112-24VAC	Wire Connector	Potable Water	EPDM
2"	2"	48	0.5-115	32-266°F	24VAC	82	28	6.50 x 4.72 x 7.04	SOLVLVNO2-24VAC	Wire Connector	Potable Water	EPDM

### 24VDC Models

Pipe Size (Inch)	Orifice (Inch)	Flow Factor (CV)	Pressure (PSI)	Temp. Range	Voltage	W Rating	External Dimensions Length x Width x Height (Inches)	Model	Connector Supplied	Medium Examples	Sealing Material
1/2"	1/2"	4.5	0.5-190	32-266°F	24VDC	20	2.59 x 1.89 x 4.89	SOLVLVNO12-24VDC	Wire Connector	Potable Water	EPDM
3/4"	3/4"	7.6	0.5-190	32-266°F	24VDC	20	2.95 x 2.28 x 5.12	SOLVLVNO34-24VDC	Wire Connector	Potable Water	EPDM
1"	1"	12	0.5-190	32-266°F	24VDC	20	3.78 x 2.76 x 5.16	SOLVLVNO1-24VDC	Wire Connector	Potable Water	EPDM
1 1/4"	1 1/4"	22	0.5-115	32-266°F	24VDC	20	5.16 x 3.78 x 6.22	SOLVLVNO114-24VDC	Wire Connector	Potable Water	EPDM
1 1/2"	1 1/2"	30	0.5-115	32-266°F	24VDC	20	5.16 x 3.78 x 6.22	SOLVLVNO112-24VDC	Wire Connector	Potable Water	EPDM
2"	2"	48	0.5-115	32-266°F	24VDC	20	6.50 x 4.72 x 7.04	SOLVLVNO2-24VDC	Wire Connector	Potable Water	EPDM

## Popular Applications

- Schools
- Laboratories
- Residential
- Hospitals
- Drinking Water Control

Find out more  
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