

2-Way, Pilot Operated, Normally Open, 1/2" - 2" NPT, Brass Body, NBR



120VAC, 24VAC
or 24VDC Power
Input



UL Listed



Compressed Air
Nitrogen
Hydrogen
Propane
Methane



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

Standards



Product Overview

The AGS SOLVLV-Y Series is a 2-way, internally piloted, normally open solenoid valve designed for gas control applications including compressed air, nitrogen, hydrogen, propane, and methane. Built with a durable brass body and orifice, the SOLVLV-Y provides reliable shutoff control in a compact valve package.

Available in 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2" NPT sizes, the SOLVLV-Y Series is offered with 120VAC or 24V coil options for flexible electrical integration.

Electrical Specifications

Watt Rating and Power Consumption			
DC	AC		
Watts	Average VA	VA Holding	VA Inrush
13	22	22	40

Materials of Construction

Body	Brass
Diaphragm Seal	NBR

120VAC Models

Valve Size (Inch NPT)	AGS Part Number
1/2"	SOLVLVNO-Y-12-120AC
3/4"	SOLVLVNO-Y-34-120AC
1"	SOLVLVNO-Y-1-120AC
1+1/4"	SOLVLVNO-Y-114-120AC
1+1/2"	SOLVLVNO-Y-112-120AC
2"	SOLVLVNO-Y-2-120AC

24VDC & 24VAC Models

Valve Size (Inch NPT)	AGS Part Number
1/2"	SOLVLVNO-Y-12-24**
3/4"	SOLVLVNO-Y-34-24**
1"	SOLVLVNO-Y-1-24**
1+1/4"	SOLVLVNO-Y-114-24**
1+1/2"	SOLVLVNO-Y-112-24**
2"	SOLVLVNO-Y-2-24**

**Include 'DC' or 'AC' Voltage To Partcode

Performance Specifications

Pipe Size (in)	Orifice Size (mm)	CV Flow Factor	Operating Pressure Differential (PSI)							Max Fluid Temp °F		Catalog Number
			Min	Max. AC			Max. DC			AC	DC	
				Air-Inert Gas	Water	Light Oil	Air-Inert Gas	Water	Light Oil			
1/2	13	4.5	0.725	232	232	189	232	232	189	248	248	SOLVLVNO-Y-12
3/4	25	7.6	0.725	232	232	189	232	232	189	248	248	SOLVLVNO-Y-34
1	25	12	0.725	232	232	189	232	232	189	248	248	SOLVLVNO-Y-1
1 1/4	38	22	0.725	232	232	189	232	232	189	248	248	SOLVLVNO-Y-114
1 1/2	38	30	0.725	232	232	189	232	232	189	248	248	SOLVLVNO-Y-112
2	50	48	0.725	232	232	189	232	232	189	248	248	SOLVLVNO-Y-2

Dimensions (inches)

SIZE	A	B	C
1/2	2.66	4.17	1.89
3/4	2.95	4.41	2.28
1	3.78	4.90	2.76
1 1/4	5.12	5.47	3.82
1 1/2	5.12	5.47	3.82
2	6.34	6.32	4.41

