

## 2-Way, Direct Acting, Normally Closed, 1/2" - 2" NPT, General Purpose Brass Body



120VAC, 24VAC  
or 24VDC Power  
Input



UL Listed



Direct Acting (No  
Pressure Differential  
Required)



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

### Standards



## Product Overview

This direct acting 2-way general service solenoid valve is designed for reliable shutoff and flow control in air, water, inert gas, and light oil applications. Featuring a brass body construction with zero-pressure operation capability, the valve provides fast response times, high flow capacity, and strong resistance to contaminants in the media. Available in multiple port sizes and seal materials, it is suitable for industrial applications such as water treatment, pumps, compressors, laundry equipment, and general fluid control systems.

## Electrical Specifications

| Watt Rating and Power Consumption |            |            |           |
|-----------------------------------|------------|------------|-----------|
| DC                                | AC         |            |           |
| Watts                             | Average VA | VA Holding | VA Inrush |
| 13                                | 22         | 22         | 100       |

## Materials of Construction

|                |       |
|----------------|-------|
| Body           | Brass |
| Diaphragm Seal | EPDM  |

## 120VAC Models

| Valve Size (Inch NPT) | AGS Part Number        |
|-----------------------|------------------------|
| 1/2"                  | DA-SOLVLVNCGP12-120AC  |
| 3/4"                  | DA-SOLVLVNCGP34-120AC  |
| 1"                    | DA-SOLVLVNCGP1-120AC   |
| 1+1/4"                | DA-SOLVLVNCGP114-120AC |
| 1+1/2"                | DA-SOLVLVNCGP112-120AC |
| 2"                    | DA-SOLVLVNCGP2-120AC   |

## 24VDC & 24VAC Models

| Valve Size (Inch NPT) | AGS Part Number       |
|-----------------------|-----------------------|
| 1/2"                  | DA-SOLVLVNCGP12-24**  |
| 3/4"                  | DA-SOLVLVNCGP34-24**  |
| 1"                    | DA-SOLVLVNCGP1-24**   |
| 1+1/4"                | DA-SOLVLVNCGP114-24** |
| 1+1/2"                | DA-SOLVLVNCGP112-24** |
| 2"                    | DA-SOLVLVNCGP2-24**   |

\*\*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 |                | Brass  | Stainless Steel | Watt Rating/ Class of Coil Insulation |  |
|----------------|-------------------|----------------|---------------------------------------|---------------|-------|-----------|---------------|-------|-----------|-----|-----|---------------------|----------------|--------|-----------------|---------------------------------------|--|
|                |                   |                | Min.                                  | Max. AC       |       |           | Max. DC       |       |           |     |     |                     |                |        |                 |                                       |  |
|                |                   |                |                                       | Air-Inert Gas | Water | Light Oil | Air-Inert Gas | Water | Light Oil | AC  | DC  | Catalog Number      | Catalog Number | AC     | DC              |                                       |  |
| 1/2            | 16                | 4.8            | 0                                     | 145           | 145   | 145       | 145           | 145   | 145       | 248 | 248 | DA-SOLVLVNCGP12     | -              | 17.1/F | 11.6/F          |                                       |  |
| 3/4            | 20                | 7.6            | 0                                     | 145           | 145   | 145       | 145           | 145   | 145       | 248 | 248 | DA-SOLVLVNCGP34     | -              | 6.1/F  | 11.6/F          |                                       |  |
| 1              | 25                | 12             | 0                                     | 145           | 145   | 145       | 145           | 145   | 145       | 248 | 248 | DA-SOLVLVNCGP1      | -              | 6.1/F  | 11.6/F          |                                       |  |
| 1-1/4          | 35                | 24             | 0                                     | 72.5          | 72.5  | 72.5      | 72.5          | 72.5  | 72.5      | 248 | 248 | DA-SOLVLVNCGP114    | -              | 6.1/F  | 11.6/F          |                                       |  |
| 1-1/2          | 40                | 29             | 0                                     | 72.5          | 72.5  | 72.5      | 72.5          | 72.5  | 72.5      | 248 | 248 | DA-SOLVLVNCGP112    | -              | 6.1/F  | 11.6/F          |                                       |  |
| 2              | 50                | 48             | 0                                     | 72.5          | 72.5  | 72.5      | 72.5          | 72.5  | 72.5      | 248 | 248 | DA-SOLVLVNCGP2      | -              | 6.1/F  | 11.6/F          |                                       |  |

## Dimensions

| Model           | Port Size | A    | B   | C  |
|-----------------|-----------|------|-----|----|
| DA-SOLVLVNCGP12 | 1/2 "     | 67.5 | 101 | 48 |
| DA-SOLVLVNCGP34 | 3/4 "     | 75   | 107 | 58 |
| DA-SOLVLVNCGP1  | 1"        | 96   | 121 | 70 |

