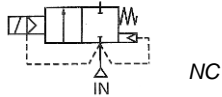


Media: High vacuum -101kPa  
 Pressure range: -101kPa to +10 Bar max  
 Media temperature: 120°C max  
 Ambient temperature: -20°C to +60°C max  
 Mounting: coil upright  
 Opening / Closing Time: 50 mSec Max



# 2/2 Stainless

## 3/8 – 2

### NORMALLY CLOSED

### 2 WAY ZERO RATED

### HIGH VACUUM

## TYPE ADS-14/50-V



### PRESSURE

| Ø Port BSP | Ø Orifice (mm) | Flow Cv Value | Vacuum Rating |        |        | Seals | Max Media Temp. °C | Part Number             |
|------------|----------------|---------------|---------------|--------|--------|-------|--------------------|-------------------------|
|            |                |               | Min           | Max AC | Max DC |       |                    |                         |
| 3/8        | 15             | 4.5           | 101kPa        | 10     | 7      | FKM   | 120                | ADS-14-V-G2-V + voltage |
| 1/2        | 15             | 4.5           |               | 10     | 7      | FKM   | 120                | ADS-15-V-G2-V + voltage |
| 3/4        | 20             | 9.3           |               | 10     | 7      | FKM   | 120                | ADS-20-V-G2-V + voltage |
| 1          | 25             | 13.2          |               | 10     | 7      | FKM   | 120                | ADS-25-V-G2-V + voltage |
| 1 1/4      | 35             | 26            | 99.67% Vacuum | 10     | 7      | FKM   | 120                | ADS-35-V-G2-V + voltage |
| 1 1/2      | 35             | 26            |               | 10     | 7      | FKM   | 120                | ADS-40-V-G2-V + voltage |
| 2          | 51             | 48            |               | 7      | 5      | FKM   | 120                | ADS-50-V-G2-V + voltage |

### OPTIONS

|   |                 |
|---|-----------------|
| WPG IP67 Coil (EN60529:1991+A1:2000) UL & CSA Approved Coil + IP65 LED Connector PG11 DIN 43650A<br>NPT Thread<br>Manual Override (Base Mounted Knob Lift and Turn for ADS Series)<br>ATEX EExmII T4 II 2G & 2D IP65 T130°C Coil (Pressure 3 Bar Max) | <b>Included</b> |
|---|-----------------|

### ELECTRICAL DATA

| Voltage (-10% + 10%)<br>Continuous duty 100% | Coil | Power Consumption |         | Insulation class | Enclosure                  | Electrical connections                          |
|--|------|-------------------|---------|------------------|----------------------------|---|
|  |      | Inrush            | Holding |                  |                            |   |
| ~ 24 - 48 - 110 - 240 - 380 (50/60 Hz)       | WPG2 | 18.7VA            | 15.3VA  | H 180°C          | IP 65<br>with<br>connector | 3 spades<br>DIN 43650A<br>DIN 40050<br>VDE 0110 |
| = 12 - 24 - 48 - 110 (DC)                    |      | 18 Watts          |         |                  |                            |   |

### CONSTRUCTION

Body: 316 Stainless steel, Tube and internal parts Stainless steel  
 Seals and gaskets: VITON  
 Moulded coil: Resin

### REPAIR KIT

|                |                           |
|----------------|---------------------------|
| Diaphragm seal | SP215 + valve part number |
| Coil           | WPG2 + voltage            |

### OVERALL DIMENSIONS

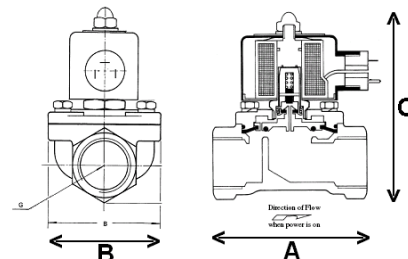


| No. | Part No | Description        |
|-----|---------|--------------------|
| 1   | SP201*  | Nut                |
| 2   | SP202*  | Washer             |
| 3   | SP203*  | Nameplate          |
| 5   | SP205*  | Coil               |
| 6   | SP206*  | Gasket             |
| 7   | SP207*  | Connector          |
| 8   | SP208*  | Core Tube          |
| 9   | SP209*  | Valve Bonnet       |
| 10  | SP210*  | Bolt               |
| 11  | SP211*  | Bonnet O Ring      |
| 12  | SP212*  | Armature Assembly  |
| 13  | SP213*  | Diaphragm Base Kit |
| 14  | SP214*  | Diaphragm Base     |
| 15  | SP215*  | Diaphragm          |
| 16  | SP216*  | Base O Ring        |
| 17  | SP217*  | Valve Body         |

\* = Valve Part Number



Manual Over Ride



| Model  | ADS-14/15-V | ADS-20-V | ADS-25-V | ADS-35/40-V | ADS-50-V |
|--------|-------------|----------|----------|-------------|----------|
| Port G | 1/2         | 3/4      | 1        | 1 1/4 1 1/2 | 2        |
| A      | 75          | 85       | 100      | 120         | 150      |
| B      | 52          | 60       | 70       | 90          | 120      |
| C      | 103         | 114      | 120      | 140         | 160      |
| Kg     | 1.03        | 1.24     | 1.51     | 2.77        | 4.81     |