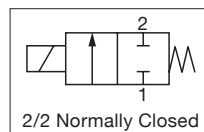


# ASCO™ MINIATURE SOLENOID VALVES

## GENERAL SERVICE VALVES, 2-WAY NORMALLY CLOSED - HIGH PRESSURE

- The Series 226 direct acting solenoid valve can be used with both liquids and gases
- Low power versions (0.5W), and latching coil versions (power consumption close to zero) results in a decrease in OEM instrument power consumption as well as a decrease in heat transferred to the fluid media
- Small form-factor saves space in OEM instruments and are well-suited for portable and hand-held field devices
- Multiple electrical connection options offer greater flexibility in OEM instrument design and serviceability
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
  - Dental Equipment
  - Gas Chromatography
  - Industrial Analyzers
  - Respiratory Devices



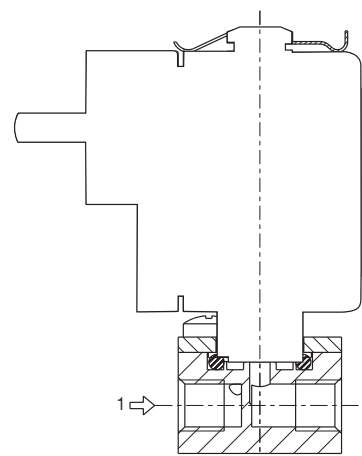
| Fluids*           | Temperature Range                                                                                                 | Seal Materials*     |
|-------------------|-------------------------------------------------------------------------------------------------------------------|---------------------|
| Liquids and gases | 0°C to 130°C (32°F to 266°F) (FKM)<br>0°C to 140°C (32°F to 284°F) (FFKM)<br>-10°C to 90°C (14°F to 194°F) (HNBR) | FKM or FFKM or HNBR |

\* Ensure that the compatibility of the materials in contact with the fluids is verified.

| General Valve Information       |                                        |
|---------------------------------|----------------------------------------|
| Body                            | Brass                                  |
| Internal components             | Stainless Steel                        |
| Maximum allowable pressure (PS) | 16 bar (232 psi)                       |
| Response Time                   | <10ms                                  |
| Max viscosity                   | 3°E (22 cStokes or mm <sup>2</sup> /s) |
| Guide assembly                  | Stainless Steel                        |

| Electrical Characteristics      |                                           |
|---------------------------------|-------------------------------------------|
| Continuous duty                 | ED 100%                                   |
| Encapsulation material          | PA (Polyamide) fiberglass reinforced      |
| Coil insulation class           | F (155°C)                                 |
| Ambient temperature             | -10°C to 60°C (14°F to 140°F)             |
| Electric connection*            | DIN 46340                                 |
| Electrical Enclosure Protection | IP65 (EN 60529) with plug micro-connector |
| Standard Voltages               | DC: 12 VDC, 24 VDC<br>(+10% - 5%)         |

\* leaded coil on request



### NOTE:

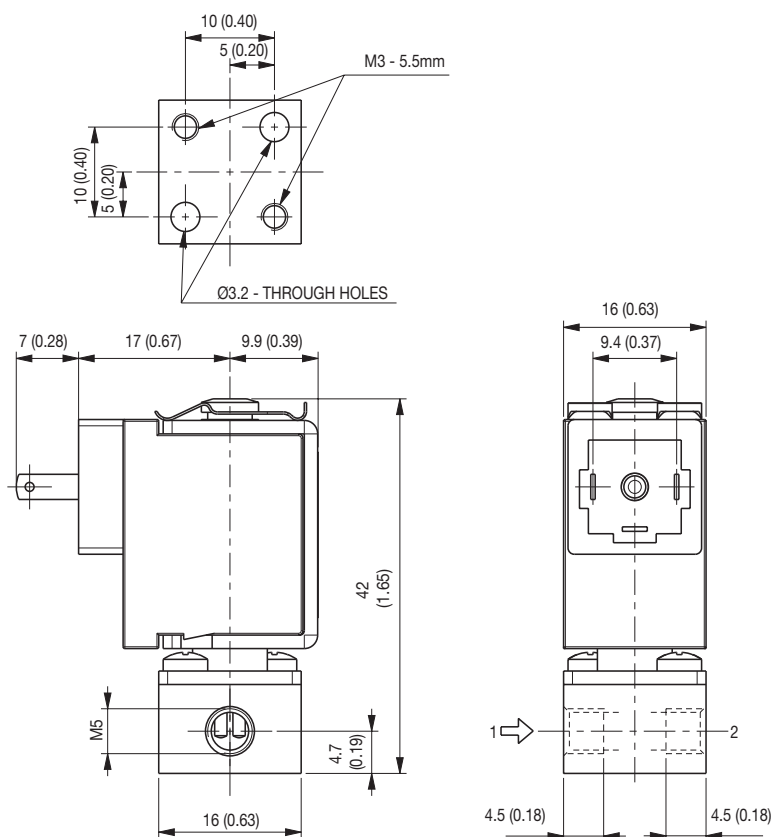
These micro-solenoid valves are not suitable for stagnating media subject to vaporization which deposit solid, calcareous, incrusting residues or similar.  
Seal: FKM = Fluoro-carbon elastomer FFKM = Perfluorated elastomer HNBR = Hydrogenated nitrile-butylene elastomer

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| Specifications  |                                   |                              |        |               |               |                           |      |              |         |           |               |                |               |        |    |
|-----------------|-----------------------------------|------------------------------|--------|---------------|---------------|---------------------------|------|--------------|---------|-----------|---------------|----------------|---------------|--------|----|
| Con-<br>nection | Orifice<br>Size<br>mm<br>(inches) | Operating Pressure bar (psi) |        |               |               | Kv<br>(m <sup>3</sup> /h) | Cv   | Power Rating |         |           | Sealings      | Catalog Number | Voltage       |        |    |
|                 |                                   | Δp<br>min                    | Δp max |               |               |                           |      | AC (VA)      |         | DC<br>(W) |               |                | 12V DC        | 24V DC |    |
|                 |                                   |                              | Gases  |               | Liquids       |                           |      | Inrush       | Holding |           |               |                |               |        |    |
|                 |                                   |                              | AC     | DC            | AC            |                           |      |              |         |           |               |                |               |        | DC |
| M5              | 1.1<br>(0.043)                    | 0                            | -      | 0.5<br>(7.25) | -             | 0.5<br>(7.25)             | 0.04 | 0.05         | -       | -         | 0.5           | FKM            | H226A540S0A00 | F3     | -  |
|                 |                                   |                              |        | 10<br>(145)   |               | 10<br>(145)               |      |              |         |           | 2.5           |                | H226A542S0A00 | -      | F1 |
|                 |                                   |                              |        | 14<br>(203)   |               | 14<br>(203)               |      |              |         |           | 4             |                | H226A541S0A00 | F3     | F1 |
|                 |                                   |                              |        | 14<br>(203)   |               | H226A543S0A00             |      |              |         |           |               |                | F3            | F1     |    |
|                 | 2<br>(0.079)                      |                              |        | 1.5<br>(21.8) | 1.5<br>(21.8) | 0.10                      | 0.12 | 2.5          |         | FKM       | H226A564S0A00 | -              | F1            |        |    |
|                 |                                   |                              |        | 4<br>(58)     | 4<br>(58)     |                           |      | 4            |         |           | H226A549S0A00 | -              | F1            |        |    |
|                 |                                   |                              |        |               |               |                           |      |              |         |           | H226A551S0A00 | F3             | F1            |        |    |
|                 |                                   |                              |        |               |               |                           |      | FFKM         |         |           | H226A552S0X00 | -              | F1            |        |    |

## Dimensions: mm (inches)



## Mounting

- Solenoid valve can be mounted in any position; vertical with coil upwards preferred.