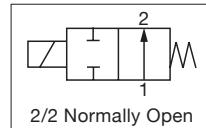


## ASCO™ MINIATURE SOLENOID VALVES

GENERAL SERVICE VALVES, 2-WAY NORMALLY OPEN

- 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 | -10°C +90°C (14°F to 194°F) | NBR             |

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

## General Valve Information

|                                 |   |
|---------------------------------|---|
| Body                            | Brass   |
| Sealing                         | NBR   |
| Internal components             | Brass, PEI (Polyetherimide) and stainless steel |
| Seat                            | PEI   |
| Core tube                       | Brass   |
| Maximum allowable pressure (PS) | 16 bar (232 psi)                                |
| Response Time                   | <10ms   |
| Fluid temperature               | -10°C +90°C (14°F to 194°F)                     |
| Max viscosity                   | 3°E (22 cStokes or mm <sup>2</sup> /s)          |

## 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 | IP 65 (EN 60529) with micro plug connector |
| Voltages DC                     | 12 VDC, 24 VDC (-5%/+10%)                  |

\* leaded coil on request

## Specifications

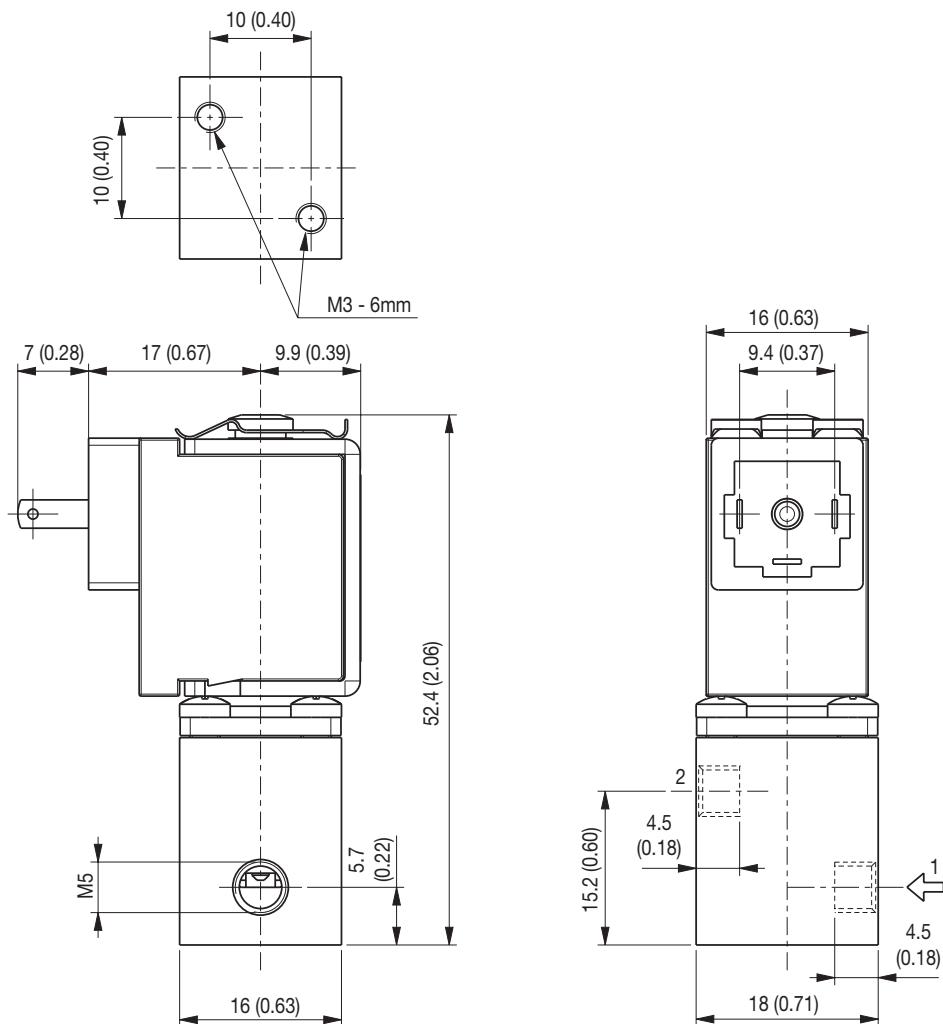
| Port size<br>ISO-UNI<br>4534 | Orifice Size<br>(mm) | Operating Pressure, bar (psi) |        |          |         | Flow Coefficient          |      | Power absorption |         |         | Seals | Catalog Number | Voltage       |           |           |  |  |
|------------------------------|----------------------|-------------------------------|--------|----------|---------|---------------------------|------|------------------|---------|---------|-------|----------------|---------------|-----------|-----------|--|--|
|                              |                      | Δp<br>min                     | Δp max |          |         | Kv<br>(m <sup>3</sup> /h) | Cv   | AC. (VA)         |         | DC. (W) |       |                | Valve         | 12V<br>DC | 24V<br>DC |  |  |
|                              |                      |                               | Gases  |          | Liquids |                           |      | Inrush           | Holding |         |       |                |               |           |           |  |  |
|                              |                      |                               | AC     | DC       | AC      | DC                        |      |                  |         |         |       |                |               |           |           |  |  |
| M5                           | 1 (0.039)            | 0                             | -      | 10 (145) | -       | 10 (145)                  | 0.04 | 0.05             | -       | -       | 4     | NBR            | H226A554S0A00 | F3        | -         |  |  |
|                              | 2 (0.079)            |                               |        | 3.5 (51) |         | 3.5 (51)                  | 0.10 | 0.12             |         |         |       |                | H226A554S0A00 | -         | F1        |  |  |
|                              |                      |                               |        |          |         |                           |      |                  |         |         |       |                | H226A555S0A00 | F3        | -         |  |  |
|                              |                      |                               |        |          |         |                           |      |                  |         |         |       |                | H226A555S0A00 | -         | F1        |  |  |

## NOTE:

These micro-solenoid valves are not suitable for stagnating media subject to vaporization which deposit solid, calcareous, incrusting residues or similar.

Seal: NBR = Nitrile Butadiene Rubber

1 - For reference, F1 = 24 VDC; F3 = 12 VDC

**Dimensions: mm (inches)****Mounting**

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