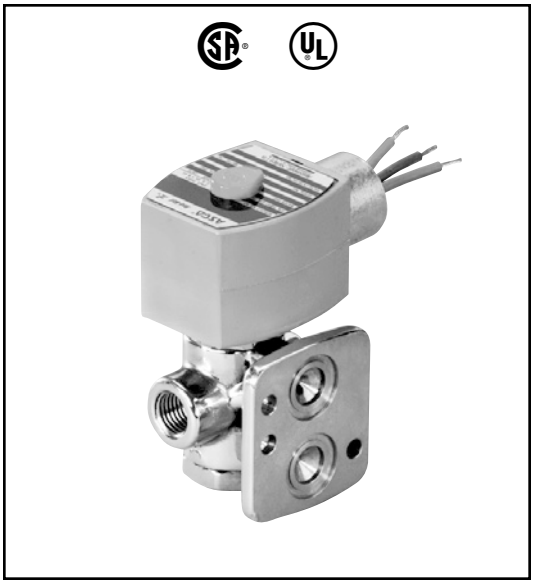
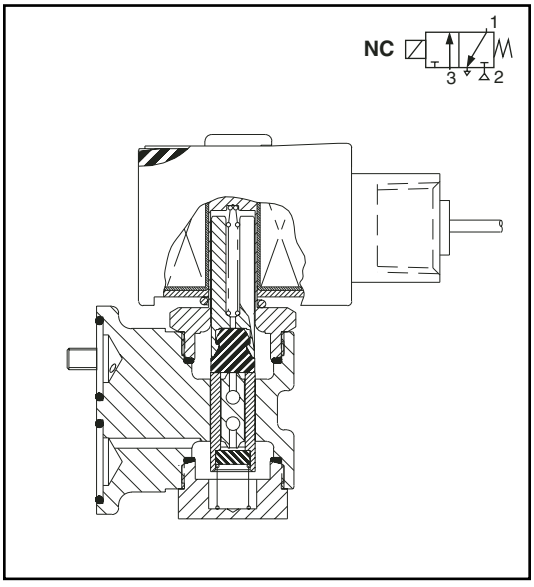
## Features

- Mount directly to spring return actuators with NAMUR interface
- Same poppet valve performance as in standard 8320 valves
- Integral breather block prevents ingestion of contaminates or corrosives
- Variety of flow and pressure ratings
- Mountable in any position






## Construction

| Valve Parts in Contact with Fluids | | |
|---|---|---|
| **Body** | Brass | 303 Stainless Steel |
| **Seals and Discs** | NBR | |
| **Core Tube** | 305 Stainless Steel | |
| **Core and Plugnut** | 430F Stainless Steel | |
| **Core Springs** | 302 Stainless Steel | |
| **Shading Coil** | Copper | Silver |
| **Disc-Holder** | CA | |
| **Core Guide** | CA (10.1 and 17.1 watts only) | |

## Electrical

| Standard Coil and Class of Insulation | Watt Rating and Power Consumption | | | | Spare Coil Part Number | | | |
|---|---|---|---|---|---|---|---|---|
| | | AC | | | General Purpose | | Explosionproof | |
| | DC Watts | Watts | VA Holding | VA Inrush | AC | DC | AC | DC |
| F | 10.6 | 6.1 | 16 | 30 | 238210 | 238310 | 238214 | 238314 |
| F | 11.6 | 10.1 | 25 | 50 | 238610 | 238710 | 238614 | 238714 |
| F | 22.6 | 17.1 | 40 | 70 | 238610 | 238710 | 238614 | 238714 |

**Standard Voltages:** 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering.
Other voltages are available when required.

**Special Construction:** Dual solenoid construction for redundant controls and dribble control available. *Consult your local ASCO sales office for details.*

## Solenoid Enclosures

**Standard:** Watertight, Types 1, 2, 3, 3S, 4, and 4X.

**Optional:** Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9. (To order, add prefix "EF" to catalog number.)

*See Optional Features Section for other available options.*

## Nominal Ambient Temp. Ranges

AC: 0˚F to 125˚F (-18˚C to 52˚C)
DC: 0˚F to 104˚F (-18˚C to 40˚C)

When used at temperatures below 32˚F (0˚C), media must be moisture free. Also available: -40˚ construction.

*Please contact ASCO sales office for details.*

## Approvals

UL component and CSA certified.

SIL 3 capable per IEC 61508.
Third party certification provided by EXIDA.

*Refer to Engineering Section for details.*

## Specifications (English units)

| Pipe Size (in) | Orifice Size (in) | Cv Flow Factor | Operating Pressure Differential (psi) Air-Inert Gas Max. AC | Operating Pressure Differential (psi) Air-Inert Gas Max. DC | Max. Fluid Temp.°F AC | Max. Fluid Temp.°F DC | Brass Body Catalog Number | Stainless Steel Body Catalog Number | Const. Ref. | Watt Rating/ Class of Coil Insulation AC | Watt Rating/ Class of Coil Insulation DC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NORMALLY CLOSED (Closed when de-energized) – $PFD_{AVG}$ = 6.81 x $10^{-4}$** | | | | | | | | | | | |
| 1/4 | 1/16 | .09 | 150 | 125 | 180 | 120 | 8320G701 | 8320G711 | 1 | 6.1/F | 10.6/F |
| 1/4 | 3/32 | .12 | 100 | 100 | 180 | 120 | 8320G702 | 8320G712 | 1 | 6.1/F | 10.6/F |
| 1/4 | 1/16 | .09 | 210 | 160 | 180 | 120 | 8320G703 | 8320G713 ① | 2 | 17.1/F | 11.6/F |
| 1/4 | 3/32 | .12 | 150 | 150 | 180 | 120 | 8320G704 | 8320G714 ① | 2 | 10.1/F | 22.6/F |
| 1/4 | 1/8 | .21 | 100 | - | 180 | - | 8320G705 | 8320G715 ① | 2 | 17.1/F | - |
| ① Standard ambient temperature rating of -40˚F. | | | | | | | | | | | |

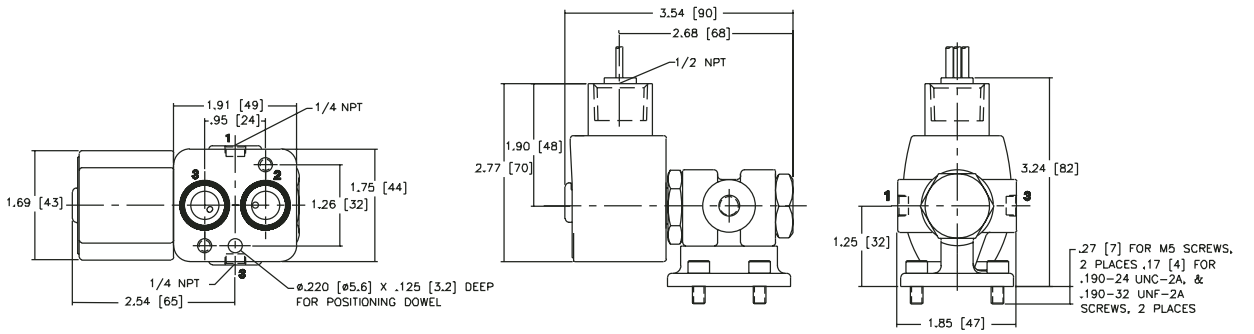
## Specifications (Metric units)

| Pipe Size (in) | Orifice Size (mm) | Kv Flow Factor ($m^3/h$) | Operating Pressure Differential (bar) Air-Inert Gas Max. AC | Operating Pressure Differential (bar) Air-Inert Gas Max. DC | Max. Fluid Temp. °C AC | Max. Fluid Temp. °C DC | Brass Body Catalog Number | Stainless Steel Body Catalog Number | Const. Ref. | Watt Rating/ Class of Coil Insulation AC | Watt Rating/ Class of Coil Insulation DC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NORMALLY CLOSED (Closed when de-energized) – $PFD_{AVG}$ = 6.81 x $10^{-4}$** | | | | | | | | | | | |
| 1/4 | 2 | .08 | 10 | 9 | 81 | 48 | 8320G701 | 8320G711 | 1 | 6.1/F | 10.6/F |
| 1/4 | 2 | .10 | 7 | 7 | 81 | 48 | 8320G702 | 8320G712 | 1 | 6.1/F | 10.6/F |
| 1/4 | 2 | .08 | 14 | 11 | 81 | 48 | 8320G703 | 8320G713 ① | 2 | 17.1/F | 11.6/F |
| 1/4 | 2 | .10 | 10 | 10 | 81 | 48 | 8320G704 | 8320G714 ① | 2 | 10.1/F | 22.6/F |
| 1/4 | 3 | .18 | 7 | - | 81 | - | 8320G705 | 8320G715 ① | 2 | 17.1/F | - |
| ① Standard ambient temperature rating of -40˚C. | | | | | | | | | | | |



## Dimensions inches (mm)

### Const. Ref. 1




### Const. Ref. 2

