

### Features

- 2-way normally closed operation
- Compact design
- Brass and 316 stainless steel body constructions
- Mountable in any position
- Available with manual operator
- NSF 61 and 169 version available for potable water and food service

### Construction

| Valve Parts in Contact with Fluids |                     |                     |                     |
|------------------------------------|---------------------|---------------------|---------------------|
|                                    | General Purpose     |                     | NSF                 |
| Body                               | Brass               | 316 Stainless Steel | 316 Stainless Steel |
| Core Tube/Bonnet                   | S.S. / Plated Steel | S.S. / S.S.         | S.S. / S.S.         |
| Core and Plugnut                   | Stainless Steel     |                     |                     |
| Springs                            | Stainless Steel     |                     |                     |
| Seals and Disc                     | FKM                 |                     | EPDM                |
| Shading Coil                       | Copper              |                     | Silver              |

### Electrical

| Prefix | Standard Coil and Class of Insulation | Watt Rating and Power Consumption |       |            |           | Ambient Temp. °F | Spare Coil Family |        |
|--------|---------------------------------------|-----------------------------------|-------|------------|-----------|------------------|-------------------|--------|
|        |                                       | DC Watts                          | AC    |            |           |                  | AC                | DC     |
|        |                                       |                                   | Watts | VA Holding | VA Inrush |                  |                   |        |
| U      | F                                     | 6.9                               | 6.3   | 8.8        | 12.1      | 15 to 140        | 400115            | 400115 |
| SC     | F                                     | 6.9                               | 6.3   | 8.8        | 12.1      | 15 to 140        | 400125            | 400125 |

**Standard voltages:** 24,120, 240 volts AC, 50-60 Hz. 12, 24, 120 volts DC  
Must be specified when ordering.

### Solenoid Enclosures

**Standard:** Open frame (Prefix U) 18" leads

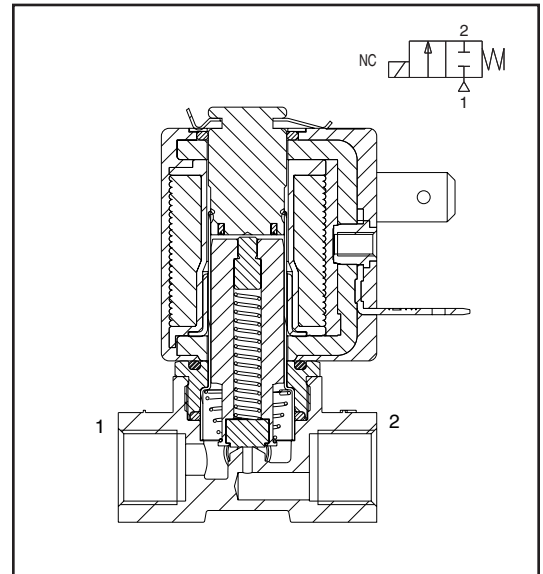
**Optional:** DIN (size 11mm, form B) (Prefix SC). Watertight/IP-65 when used with DIN connector kit for SC coils (see kits below).

### Kits

1/2" NPT conduit hub kit for leaded coils 224735-001-\*  
(Kit contains 10 pcs of each: threaded hub, gasket, and attaching screw.)

DIN connector kit for SC coils 226061-001-\*  
(Kit contains 10 pcs of each: connector, gasket, and attaching screw.)

Mounting adapter kit 289719 (Kit contains 2 screws and plate.)



### Approvals

UL recognized coil - File MH28173

CSA recognized coil - see CSA certificate No. 235748

Meets applicable CE directives

NSF 61 - Drinking water system components

NSF 169 - Special purpose food  
Equipment and Devices

The NSF Certification Program is accredited by  
the Standards Council of Canada and ANSI.

## Specifications (English Units)

| Pipe Size<br>(ins.)                                                                  | Orifice Size<br>(ins.) | Cv<br>Flow<br>Factor | Operating Pressure Differential (psi) |       |                        |             |       |                        |     | Max.<br>Fluid<br>Temp. °F |            | Brass      | Stainless Steel | Const.<br>Ref. | Wattage |     | Approx.<br>Shipping<br>Weight<br>(lbs.) |
|--------------------------------------------------------------------------------------|------------------------|----------------------|---------------------------------------|-------|------------------------|-------------|-------|------------------------|-----|---------------------------|------------|------------|-----------------|----------------|---------|-----|-----------------------------------------|
|                                                                                      |                        |                      | Max. AC ①                             |       |                        | Max. DC ①   |       |                        |     |                           |            |            |                 |                |         |     |                                         |
|                                                                                      |                        |                      | Air - Inert                           |       | Light Oil<br>@ 300 SSU | Air - Inert |       | Light Oil<br>@ 300 SSU | AC  | DC                        |            |            |                 |                |         |     |                                         |
|                                                                                      |                        |                      | Gas                                   | Water |                        | Gas         | Water |                        |     |                           |            |            |                 |                |         |     |                                         |
| General Service - Normally Closed                                                    |                        |                      |                                       |       |                        |             |       |                        |     |                           |            |            |                 |                |         |     |                                         |
| 1/8                                                                                  | 3/64                   | 0.05                 | 500                                   | 500   | 400                    | 360         | 360   | 330                    | 180 | 180                       | U8256A001V | U8256A013V | 1               | 6.3            | 6.9     | 0.5 |                                         |
| 1/8                                                                                  | 1/16                   | 0.08                 | 400                                   | 390   | 230                    | 220         | 220   | 220                    | 180 | 180                       | U8256A002V | U8256A014V | 1               | 6.3            | 6.9     | 0.5 |                                         |
| 1/8                                                                                  | 3/32                   | 0.15                 | 180                                   | 180   | 105                    | 90          | 90    | 90                     | 180 | 180                       | U8256A004V | U8256A016V | 1               | 6.3            | 6.9     | 0.5 |                                         |
| 1/8                                                                                  | 7/64                   | 0.19                 | 135                                   | 126   | 80                     | 63          | 63    | 63                     | 180 | 180                       | U8256B045V | U8256B046V | 2               | 6.3            | 6.9     | 0.6 |                                         |
| NSF 61 and 169 Listed                                                                |                        |                      |                                       |       |                        |             |       |                        |     |                           |            |            |                 |                |         |     |                                         |
| 1/8                                                                                  | 3/32                   | 0.15                 | -                                     | 200   | -                      | -           | 130   | -                      | 180 | 180                       | -          | U8256A103E | 1               | 6.3            | 6.9     | 0.5 |                                         |
| 1/8                                                                                  | 7/64                   | 0.17                 | -                                     | 150   | -                      | -           | 100   | -                      | 180 | 180                       | -          | U8256A104E | 2               | 6.3            | 6.9     | 0.6 |                                         |
| 1/4                                                                                  | 3/32                   | 0.15                 | -                                     | 200   | -                      | -           | 130   | -                      | 180 | 180                       | -          | U8256A107E | 3               | 6.3            | 6.9     | 0.5 |                                         |
| 1/4                                                                                  | 7/64                   | 0.17                 | -                                     | 150   | -                      | -           | 100   | -                      | 180 | 180                       | -          | U8256A108E | 3               | 6.3            | 6.9     | 0.6 |                                         |
| ① MS option limits max. pressures to 220 psi (unless limited by operating pressure). |                        |                      |                                       |       |                        |             |       |                        |     |                           |            |            |                 |                |         |     |                                         |

① MS option limits max. pressures to 220 psi (unless limited by operating pressure).

## Specifications (Metric Units)

| Pipe Size<br>Size (ins.)                                                            | Orifice Size (mm) | Kv Flow Factor (m3/h) | Operating Pressure Differential (bar) |       |                     |                 |       |                     | Max. Fluid Temp. °C |    | Brass      | Stainless Steel | Const. Ref. | Wattage |     | Approx. Shipping Weight (kgs.) |
|-------------------------------------------------------------------------------------|-------------------|-----------------------|---------------------------------------|-------|---------------------|-----------------|-------|---------------------|---------------------|----|------------|-----------------|-------------|---------|-----|--------------------------------|
|                                                                                     |                   |                       | Max. AC ①                             |       |                     | Max. DC ①       |       |                     |                     |    |            |                 |             |         |     |                                |
|                                                                                     |                   |                       | Air - Inert Gas                       | Water | Light Oil @ 300 SSU | Air - Inert Gas | Water | Light Oil @ 300 SSU | AC                  | DC |            |                 |             |         |     |                                |
|                                                                                     |                   |                       |                                       |       |                     |                 |       |                     |                     |    |            |                 |             |         |     |                                |
| General Service - Normally Closed                                                   |                   |                       |                                       |       |                     |                 |       |                     |                     |    |            |                 |             |         |     |                                |
| 1/8                                                                                 | 1.2               | 0.04                  | 34                                    |       | 27                  | 25              | 25    | 23                  | 82                  | 82 | U8256A001V | U8256A013V      | 1           | 6.3     | 6.9 | 0.22                           |
| 1/8                                                                                 | 1.6               | 0.07                  | 27                                    | 27    | 16                  | 15              | 15    | 15                  | 82                  | 82 | U8256A002V | U8256A014V      | 1           | 6.3     | 6.9 | 0.22                           |
| 1/8                                                                                 | 2.4               | 0.13                  | 12                                    | 12    | 7                   | 6               | 6     | 6                   | 82                  | 82 | U8256A004V | U8256A016V      | 1           | 6.3     | 6.9 | 0.22                           |
| 1/8                                                                                 | 2.7               | 0.16                  | 9                                     | 8     | 5                   | 4               | 4     | 4                   | 82                  | 82 | U8256B045V | U8256B046V      | 2           | 6.3     | 6.9 | 0.27                           |
| NSF 61 and 169 Listed                                                               |                   |                       |                                       |       |                     |                 |       |                     |                     |    |            |                 |             |         |     |                                |
| 1/8                                                                                 | 2.4               | 0.13                  | -                                     | 14    | -                   | -               | 9     | -                   | 82                  | 82 | -          | U8256A103E      | 1           | 6.3     | 6.9 | 0.22                           |
| 1/8                                                                                 | 2.7               | 0.16                  | -                                     | 10    | -                   | -               | 7     | -                   | 82                  | 82 | -          | U8256A104E      | 2           | 6.3     | 6.9 | 0.22                           |
| 1/4                                                                                 | 2.4               | 0.13                  | -                                     | 14    | -                   | -               | 9     | -                   | 82                  | 82 | -          | U8256A107E      | 3           | 6.3     | 6.9 | 0.22                           |
| 1/4                                                                                 | 2.7               | 0.16                  | -                                     | 10    | -                   | -               | 7     | -                   | 82                  | 82 | -          | U8256A108E      | 3           | 6.3     | 6.9 | 0.27                           |
| ① MS option limits max. pressures to 15 bar (unless limited by operating pressure). |                   |                       |                                       |       |                     |                 |       |                     |                     |    |            |                 |             |         |     |                                |

① MS option limits max. pressures to 15 bar (unless limited by operating pressure).

### Capabilities Chart

| Solenoid Options ② |                |                           |          |     |       |                       | Base Catalog Number |                 | Resilient Materials ① |      |      |                |      |          |        | Other           |                  | Standard Rebuild Kit |                 |
|--------------------|----------------|---------------------------|----------|-----|-------|-----------------------|---------------------|-----------------|-----------------------|------|------|----------------|------|----------|--------|-----------------|------------------|----------------------|-----------------|
| NEMA Type 3-9      | High Temp. DIN | Wiring Box Screw Terminal | Multipin | DIN | Spade | Open Frame with Leads | Brass               | Stainless Steel | FKM                   | EPDM | RUBY | Oxygen Service | PTFE | Urethane | Vacuum | Manual Operator | Mounting Bracket | Brass AC/DC          | Stainless AC/DC |
| -                  | -              | -                         | -        | SC  | -     | ●                     | U8256A001V          | U8256A013V      | ●                     | E    | -    | NV             | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | U8256A002V          | U8256A014V      | ●                     | E    | -    | NV             | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | U8256A004V          | U8256A016V      | ●                     | E    | -    | NV             | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | U8256B045V          | U8256B046V      | ●                     | E    | -    | NV             | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | -                   | U8256A103E      | -                     | ●    | -    | -              | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | -                   | U8256A104E      | -                     | ●    | -    | -              | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | -                   | U8256A107E      | -                     | ●    | -    | -              | -    | -        | -      | MS              | -                | -                    | -               |
| -                  | -              | -                         | -        | SC  | -     | ●                     | -                   | U8256A108E      | -                     | ●    | -    | -              | -    | -        | -      | MS              | -                | -                    | -               |

● = Standard. ① Replace V suffix. ② Replace U prefix with SC prefix.

### Dimensions: inches (mm)

| Const. Ref. |      | A    | B    | C    | D    | E    |
|-------------|------|------|------|------|------|------|
| 1           | ins. | 1.81 | 2.08 | 1.29 | 1    | 0.59 |
|             | mm   | 46   | 53   | 33   | 25   | 15   |
| 2           | ins. | 1.98 | 2.25 | .984 | 1    | 0.59 |
|             | mm   | 50   | 57   | 25   | 25   | 15   |
| 3           | ins. | 1.86 | 2.25 | 1.73 | 1.12 | .83  |
|             | mm   | 46   | 57   | 44   | 28   | 21   |

Shown with DIN coil without connector

