# S33 Series

- 1/8" NPT
- Stainless Steel Body
- 3-Way Direct Acting
- Normally Closed

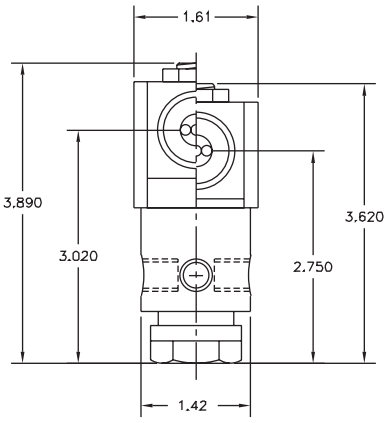
| | | |
|---|---|---|
| Materials | Seals: | Nitrile, Viton®, Ethylene Propylene |
| | Orifices: | Stainless Steel |
| Electrical | Standard Housing: | Encapsulated Waterproof Conduit (NEMA 4/4X) |
| | Optional Housings: | Metallic Conduit, Explosion-proof (NEMA 7), Grommet, Open Frame, Junction Box (single or dual knockouts), DIN; Contact GC Valves Customer Service for others. |
| | Standard Voltages: | 24, 120, 240 AC 60 Hz; 50 Hz available<br>6, 12, 24 DC;<br>Contact GC Valves Customer Service for Additional Voltages. |
| | Voltage Tolerance: | ±10% of applicable voltage |
| | Coil Classes: | F, H, N |
| | Standard Lead Length: | 24 inch |
| Operating Temperature | Ambient (Nominal): | 32°F to 125°F |
| Mounting | Position | Any |
| Approvals* | Agency | UL Listed, UL Recognized, CSA Approved |

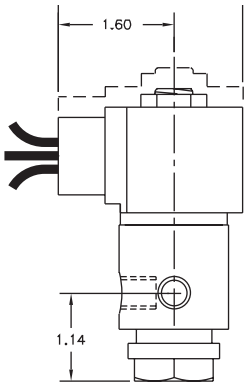
* Not available for all variations

® Registered Trademark of DuPont Co.

## Dimensions/Weight

| Weight (lbs.) |
|---|
| 1.1 |



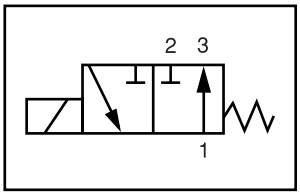




**GC Valves Customer Service: 800-828-0484 (7:30am to 4pm ET) or 800-582-4232 (7:30am to 4pm PT)**

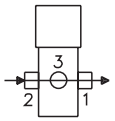
# S333 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Valve Selection List

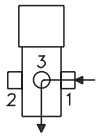
Normally Closed




Energized




De-Energized




| Pipe Size | Orifice Size | $C_v$ | Operating Pressure Differential (psi) | | | | | | | Max Fluid Temp. | Seat Material | Power Consumption (Watts) | | Model Code (120V/60HZ — 110V/50HZ Shown) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Minimum | Maximum | | | | | | | | | | |
| | | | | Air/Gas | | Water | | Light Oil | | | | | | |
| NPT | IN | | | AC | DC | AC | DC | AC | DC | °F | | AC | DC | Stainless Steel Body |
| 1/8 | 1/16 | .09 | 0 | 160 | 100 | 160 | 100 | — | — | 295 | EPR | 8 | 9 | S333GF02C7AC5 |
| Reduced | 3/32 | .15 | 0 | 100 | 50 | 100 | 50 | — | — | 295 | EPR | 8 | 9 | S333GF02C7AC9 |
| Power | 1/8 | .26 | 0 | 50 | 30 | 50 | 30 | — | — | 295 | EPR | 8 | 9 | S333GF02C7AD5 |
| 1/8 | 1/16 | .09 | 0 | 200 | 160 | 200 | 160 | — | — | 295 | EPR | 10 | 10 | S333GF02C8AC5 |
| | 3/32 | .15 | 0 | 150 | 114 | 150 | 114 | — | — | 295 | EPR | 10 | 10 | S333GF02C8AC9 |
| | 1/8 | .31 | 0 | 84 | 60 | 84 | 60 | — | — | 295 | EPR | 10 | 10 | S333GF02C8AD5 |
| | 11/64 | .38 | 0 | 45 | 24 | 45 | 24 | — | — | 295 | EPR | 10 | 10 | S333GF02C8AD8 |
| 1/8 | 1/16 | .09 | 0 | 160 | 100 | 160 | 100 | 160 | 100 | 180 | Nitrile | 8 | 9 | S333GF02N7AC5 |
| Reduced | 3/32 | .15 | 0 | 100 | 50 | 100 | 50 | 100 | 50 | 180 | Nitrile | 8 | 9 | S333GF02N7AC9 |
| Power | 1/8 | .26 | 0 | 50 | 30 | 50 | 30 | 50 | 30 | 180 | Nitrile | 8 | 9 | S333GF02N7AD5 |
| 1/8 | 1/16 | .09 | 0 | 200 | 160 | 200 | 160 | 200 | 160 | 180 | Nitrile | 10 | 10 | S333GF02N8AC5 |
| | 3/32 | .15 | 0 | 150 | 114 | 150 | 114 | 150 | 114 | 180 | Nitrile | 10 | 10 | S333GF02N8AC9 |
| | 1/8 | .31 | 0 | 84 | 60 | 84 | 60 | 84 | 60 | 180 | Nitrile | 10 | 10 | S333GF02N8AD5 |
| | 11/64 | .38 | 0 | 45 | 24 | 45 | 24 | 45 | 24 | 180 | Nitrile | 10 | 10 | S333GF02N8AD8 |
| 1/8 | 1/16 | .09 | 0 | 160 | 100 | 160 | 100 | 160 | 100 | 230 | Viton | 8 | 9 | S333GF02V7AC5 |
| Reduced | 3/32 | .15 | 0 | 100 | 50 | 100 | 50 | 100 | 50 | 230 | Viton | 8 | 9 | S333GF02V7AC9 |
| Power | 1/8 | .26 | 0 | 50 | 30 | 50 | 30 | 50 | 30 | 230 | Viton | 8 | 9 | S333GF02V7AD5 |
| 1/8 | 1/16 | .09 | 0 | 200 | 160 | 200 | 160 | 200 | 160 | 230 | Viton | 10 | 10 | S333GF02V8AC5 |
| | 3/32 | .15 | 0 | 150 | 114 | 150 | 114 | 150 | 114 | 230 | Viton | 10 | 10 | S333GF02V8AC9 |
| | 1/8 | .31 | 0 | 84 | 60 | 84 | 60 | 84 | 60 | 230 | Viton | 10 | 10 | S333GF02V8AD5 |
| | 11/64 | .38 | 0 | 45 | 24 | 45 | 24 | 45 | 24 | 230 | Viton | 10 | 10 | S333GF02V8AD8 |

*** Class H Coil Recommended for High Temperature Applications**

# S333 – 1/8" NPT, Stainless Steel Body, Normally Closed

## Part Numbering

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 3 | 3 | 3 | G | F | 0 | 2 | C | 7 | A | C | 5 |

| Series | Operating Mode | Housing* | Coil Class* | Voltage* | Seal Material | Body Material | Pipe Connection | Orifice Size |
|---|---|---|---|---|---|---|---|---|
| S33 | 3: Normally Closed | G: Conduit | F: Class F | 02: 120/60<br>110/50 | C: EPR<br>N: Nitrile<br>V: Viton | 7: Stainless Steel<br>8: Stainless Steel | A: 1/8" NPT | C5: 1/16"<br>C9: 3/32"<br>D5: 1/8"<br>D8: 11/64" |

* See the “Engineering Guide” for additional voltages, variations and options.

## Coil Data

### Coil Family

| Type | Size |
|---|---|
| (Body Code) | |
| 7 | S3 |
| 8 | S4 |

| Frequency (Hz) | | 60 | | 50 | |
|---|---|---|---|---|---|
| | Body | 7 | 8 | 7 | 8 |
| Nominal Power (VA) | Inrush | 36 | 46 | 36 | 46 |
| | Holding | 13 | 18 | 14 | 19 |

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