



100 Series Sandwich Valves Ready to Mount

Applications

Dispenser Manifolds, Priority Panels, Emergency Isolation and applications where easy service is required. Suitable for CNG, Helium, Bio-Gas, Nitrogen, Air and other gases on request.



SV104-4O6SDDN-0120 - Sandwich Valve

Materials

| Item | Description | Material |
|------|-------------|---------------------|
| 1 | Valve Body | 304 Stainless Steel |
| 2 | Valve Cap | 304 Stainless Steel |
| 3 | Seat | Delrin |
| 4 | Ball | 316 Stainless Steel |
| 5 | Stem | 316 Stainless Steel |
| 6 | Thrust | Delrin |

| Item | Description | Material |
|------|------------------------|---------------------|
| 7 | O-ring | Nitrile |
| 8 | O-ring Backup | Nitrile |
| 9 | Gland | Delrin |
| 10 | Locking Tab | 304 Stainless Steel |
| 11 | Half Nut | 304 Stainless Steel |
| 12 | Sealing Surface O-ring | Nitrile |

Product Information

Includes valve, actuator mounting bracket, drive dog and screws.

Service kits are easily installed and readily available.

All products are manufactured under ISO 9001 accredited standards.

Mounting brackets and drive dogs designed to meet standard ISO 5211 pattern, allowing user multiple actuation options.

Handle options available on request.

3/4" valve tested to NGV4.6 option available on request.

CRN OC 19297.512346789OYTN.

Complies to PED 2014/68/EU.

More product information available online at www.OasisNGV.com/resources.

Features & Benefits

Designed for manifold or valve applications where minimizing service down time is critical.

Bolt-in, quick change design which fits into a manifold or uses end caps for your flow control requirements.

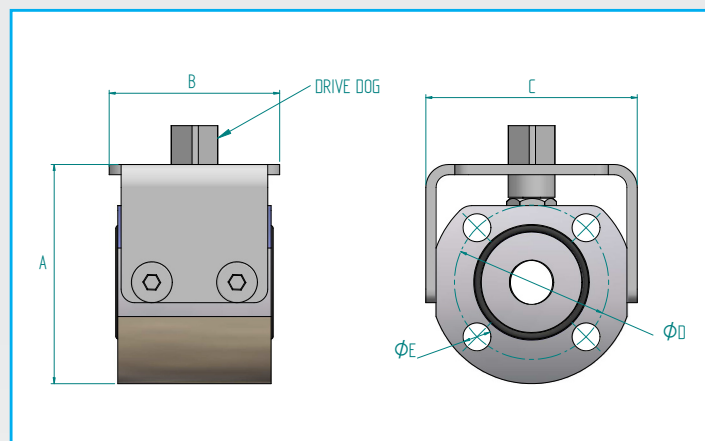
Using the proven Oasis floating ball technology the sandwich valve cycles for longer than any other known CNG ball valve.

Oasis can crate manifolds to your specifications. Talk to Oasis, Engineer to Engineer to craft a solution for you.



100 Series Sandwich Valves Ready to Mount

Dimensions



Dimensions (mm)

| Part Code | Size | A | B | C | D | E | Bracket Bolt Pattern | Drive Dog Size |
|---------------------|------|-------|----|------|-------|------|----------------------|----------------|
| SV103-4O6SDDN-0120 | 3/8" | 60 | 48 | 56 | 42 | 8.2 | F03/F04 | 11 |
| SV103-4O6SDDN-0130 | 3/8" | 60 | 48 | 56 | 42 | 8.2 | F03/F04 | 14 |
| SV104-4O06LDDN-0120 | 1/2" | 64.3 | 50 | 62 | 45.25 | 8.2 | F04/F05 | 11 |
| SV104-4O06LDDN-0130 | 1/2" | 64.3 | 50 | 62 | 42.25 | 8.2 | F04/F05 | 14 |
| SV104-4O06LDDN-0140 | 1/2" | 64.3 | 50 | 62 | 42.25 | 8.2 | F04/F05 | 17 |
| SV106-4O06LDDN-0130 | 3/4" | 106.8 | 67 | 87.5 | 65 | 12.5 | F07 | 14 |
| SV106-4O06LDDN-0140 | 3/4" | 106.8 | 67 | 87.5 | 65 | 12.5 | F07 | 17 |
| SV108-4O06LDDN-0140 | 1" | 113.5 | 79 | 105 | 85 | 14.5 | F07 | 17 |
| SV108-4O06LDDN-0150 | 1" | 113.5 | 79 | 105 | 85 | 14.5 | F07 | 22 |

Product Specifications

| Part Code | Mass lb (kg) | Min. Operating Pressure bar (psi) * | Max. Operating Pressure bar (psi) ** | Min. Temp. °F (°C) | Max. Temp. °F (°C) | Stem Open Torque ft-lb (Nm) | Max Cycles Before Rekit ^ | Cv | Service Kit |
|----------------|--------------|-------------------------------------|--------------------------------------|--------------------|--------------------|-----------------------------|---------------------------|------|---------------|
| SV103-4O6SDDN | 1.3 (0.6) | 34.5 (500) | 410 (6000) | -40 (-40) | 185 (85) | 2.2 (3) | 100,000 | 9.3 | SV103-SK6SDDN |
| SV104-4O06LDDN | 1.7 (0.8) | 0.5 (7) | 410 (6000) | -40 (-40) | 185 (85) | 10.3 (14) | 100,000 | 12.3 | SV104-SK6LDDN |
| SV106-4O06LDDN | 6.2 (2.8) | 0.5 (7) | 410 (6000) | -40 (-40) | 185 (85) | 22.8 (31) | 100,000 | 31 | SV106-SK6LDDN |
| SV108-4O06LDDN | 7.7 (3.5) | 0.5 (7) | 410 (6000) | -40 (-40) | 185 (85) | 32.4 (44) | 100,000 | 44.5 | SV108-SK6LDDN |

* Minimum system pressure the product will hold constant bubble tight seal.

** Maximum pressure at which the product can constantly operate at.

^ It is recommended that the sandwich valve is re-kitted on or before the maximum number of allowable cycles.

We reserve the right to modify product specifications without prior notice.



100 Series Sandwich Valves Ready to Mount

Servicing Tool

Tool required to complete servicing of sandwich valve. Designed to fit in a 3/4" or 1" socket for easy removal and installation.

Product Information

Made from 316 Stainless Steel.

Sold Separately.

Tightening torque stamped on body.

Dimensions: Imperial (mm)

| Part Code | A AF | B | C AF |
|------------|--------------|------------|------------|
| TOOL-SV106 | 0.79" (19.9) | 1.57" (40) | 0.75" (19) |
| TOOL-SV108 | 1" (25.4) | 1.77" (45) | 1" (25.4) |

