



# 100 Series Sandwich Valve w/AirTorque Actuator

## 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.



SV104-406SDDN-0124 - 1/2 " Sandwich Valve w/AT101 Actuator

## 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-rings	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

Service kits are easily installed and readily available. All products are manufactured under ISO 9001:2008 accredited standards.

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

Separate part numbers for "Normally Open" and "Normally Closed" configurations.

Handle options available on request.

3/4" valve tested to NGV 4.6 option available on request.

CRN OC 19297.512346789OYTN.

Complies to PED 2014/68/EU.

More product information available online at [www.OasisNGV.com/resources](http://www.OasisNGV.com/resources).

## Features & Benefits

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

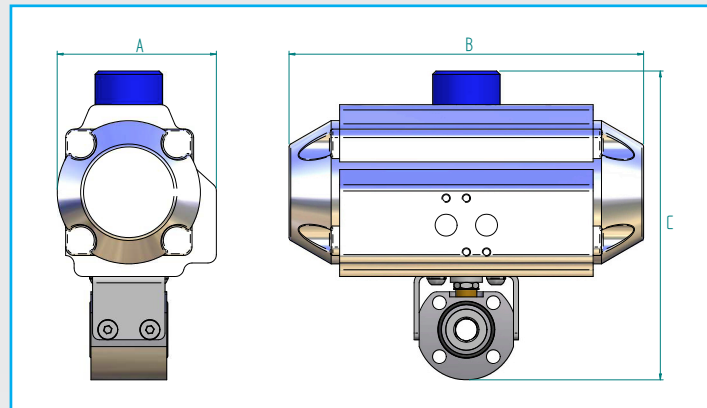
Bolt-in, quick change design which fits into a manifold or uses end caps for your flow control requirements.

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

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



# 100 Series Sandwich Valve w/AirTorque Actuator



## Dimensions inch (mm)

Part Code	Size	A	B	C	Actuator
SV103-4O6SDDN-0122 (N/C) SV103-4O6SDDN-012L (N/O)	3/8"	2.78 (70.5)	5.87 (149)	5.87 (149)	AT051
SV104-4OO6LDDN-0124 (N/C) SV104-4OO6LDDN-012M (N/O)	1/2"	3.27 (83)	6.26 (159)	6.65 (169)	AT101
SV106-4OO6LDDN-0146 (N/C) SV106-4OO6LDDN-014N (N/O)	3/4"	3.74 (95)	8.31 (211)	9.01 (229)	AT201
SV108-4OO6LDDN-0148 (N/C) SV108-4OO6LDDN-014P (N/O)	1"	4.17 (106)	9.76 (248)	9.80 (249)	AT251

## 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)	Max. Cycles Before Rekit ^	Actuator Supply Pressure bar (psi) ^^	Cv
SV103-4O6SDDN-0122 (N/C) SV103-4O6SDDN-012L (N/O)	5 (2.3)	34.5 (500)	410 (6000)	-40 (-40)	185 (85)	100,000	6-8 (87-116)	9.3
SV104-4OO6LDDN-0124 (N/C) SV104-4OO6LDDN-012M (N/O)	8.8 (4)	0.5 (7)	410 (6000)	-40 (-40)	185 (85)	120,000	6-8 (87-116)	12.3
SV106-4OO6LDDN-0146 (N/C) SV106-4OO6LDDN-014N (N/O)	15.7 (7.1)	0.5 (7)	410 (6000)	-40 (-40)	185 (85)	150,000	6-8 (87-116)	31
SV108-4OO6LDDN-0148 (N/C) SV108-4OOSLDDN-014P (N/O)	21.4 (9.7)	0.5 (7)	410 (6000)	-40 (-40)	185 (85)	150,000	6-8 (87-116)	44.5

(N/C) Normally Closed - Valve is in closed position when no pressure applied to actuator.

(N/O) Normally Open - Valve is in open position when no pressure applied to actuator.

\* 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.

^^ Required actuator supply pressure to operate Air Torque actuator.



# 100 Series Sandwich Valve w/AirTorque Actuator

## Service 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	.79" (19.9)	1.57" (40)	.75" (19)
TOOL-SV108	1" (25.4)	1.77" (45)	1" (25.4)

