

O-SEAL® OXNB Oxygen Valves

Description:

O-SEAL® OXNB High Pressure Shutoff Valves utilize the same reliable sealing method which have been used throughout the industrial gas industry for more than 75 years. With robust, high-functioning and bubble-tight operation, these valves can be relied upon to meet your high-pressure piping system needs.

Application:

O-SEAL® OXNB High Pressure Shutoff Valves are optimized for the critical requirements of oxygen service, including fill plants, high-pressure manifolds, and various other piping system applications.

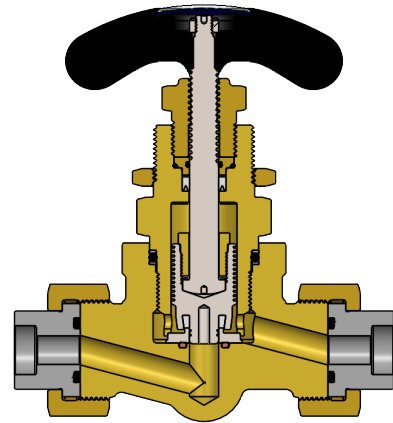
Features & Benefits:

- Body Styles: Globe Style Shutoff, Needle, Stop-check and Check
- Designed for piping systems between 1/8" and 1"
- Rising stem design for more easily controlled operation and full flow capability.
- Low operating torque throughout full pressure range
- Reliable bubble-tight, leak-free operation
 - Operation by Hand or Air Actuation
- Oxygen Safe & Oxygen Compatible
 - 100% Oxygen Cleaned and Packaged per CGA G-4.1 and ASTM G93 standards
- O-SEAL® end connections for zero-clearance removal or installation
- Pressure-bound materials of construction
- Field serviceable with rebuild kits & Soft Goods

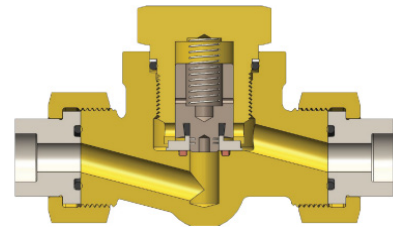
* CRN Number: OC16868.2 for all sizes of 380, 1380, 480, 1480, 580, and 680 valves

3 Valve Types:

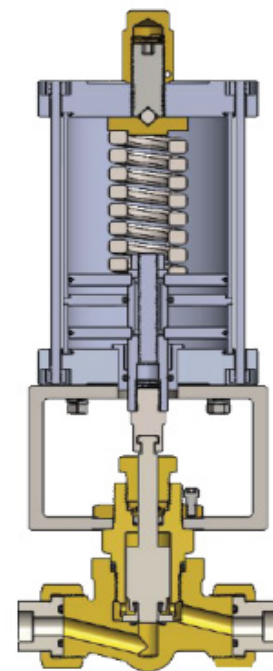
Globe Style Hand Valve



Globe Style Check Valve

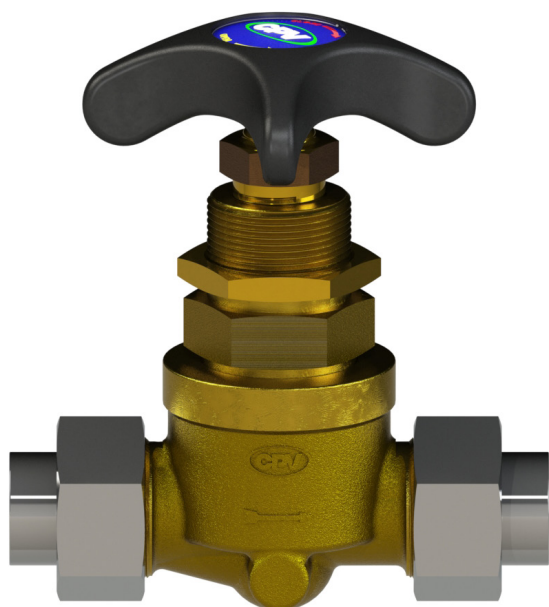


Globe Style Pneumatic Actuated Valve



O-SEAL® OXNB Oxygen Valves

Product Specs/Dimensions:



Materials of Construction:

Standard OXNB Valve Materials		
Component	Material	Specification
Body	Naval Brass	ASTM B283
Bonnet		
Retainer	Naval Brass	ASTM B21
Stem Retainer		
Panel Nut		
Stem	Ni-Cu (Monel®)	ASTM B164
Seat		
Guide (Sizes -2 thru -5 only)	Cu-Ni 70/30	MIL-C-15726
Sealing Disc	Nylon	Vespel® SP-21
O-Rings & Packing (Stem Seal)	Viton® FKM	SAE AS83248
Back-up Ring	Teflon® PTFE	Commercial
Gasket	Aluminum	ASTM B221

* Wetted surfaces are free from aluminum and aluminum alloys

Technical Data:

Port Connection:	.22" to .81"
Operating Pressure Range:	4500 PSIG (414 BAR) Options for 6000 PSI (310 BAR)
Operating Temperature:	-15°F to 400°F (-26°C to 205°C)
Flow Coefficient:	.5 to 9.0 Cv
Panel Mount	Standard
Vacuum Service	Standard
Production Testing: (100% Factory Tested)	6000 PSIG (414 BAR) Seat Test 9000 PSIG (621) Shell Test

* Ignition/Pressure surge tested per ISO 10297 and ISO 7291