

BALL VALVE PRODUCT CLASS

- Anti-blowout stem design
- Body made from certified origin billet stainless steel Compact and light design
- Full bore ball aperture - no freezing due to expanding gas High quality surface finishes
- Longest wearing bearing parts
- Quality gas tight threads
- Very high duty cycle life

The OASIS® 700 series valve design has a unique anti-blowout stem assembly enabling the valve to be used in very high-pressure gas applications. The valve body is fully machined out of billet stainless steel. The resulting unit is extremely strong and robust with an operating reliability an order of magnitude greater than forged or cast competitors.

The valve is lighter and more compact than comparable units making it preferred in confined applications like compressor and dispenser units. The valve is a full-bore flow control device (the inside bore of the ball is the same as the connecting pipe work), which is a critical issue when handling compressed gas. Partial bore valves cannot handle the gas flow rates of the Oasis valve without freezing and becoming inoperable.

The valve components are machined in very high spec CNC lathes and machining centres, the resulting surface finishes are free of blemishes and scouring. The close and consistent fits of the moving parts ensure low and even wear on the bearing parts. All wear parts are easily exchanged with Oasis provided service kits. The accuracy of Oasis manufacturing ensures all machined threads meet stringent gas operating standards.

A combination of superior materials and complex design has resulted in a valve that does not distort even under four times working pressure. The trueness of the valve under working conditions enables the valve to seal correctly every on-off cycle. In multi-cycle trials the valve has out-performed competitors by a factor of ten.



Manual Valve Kit

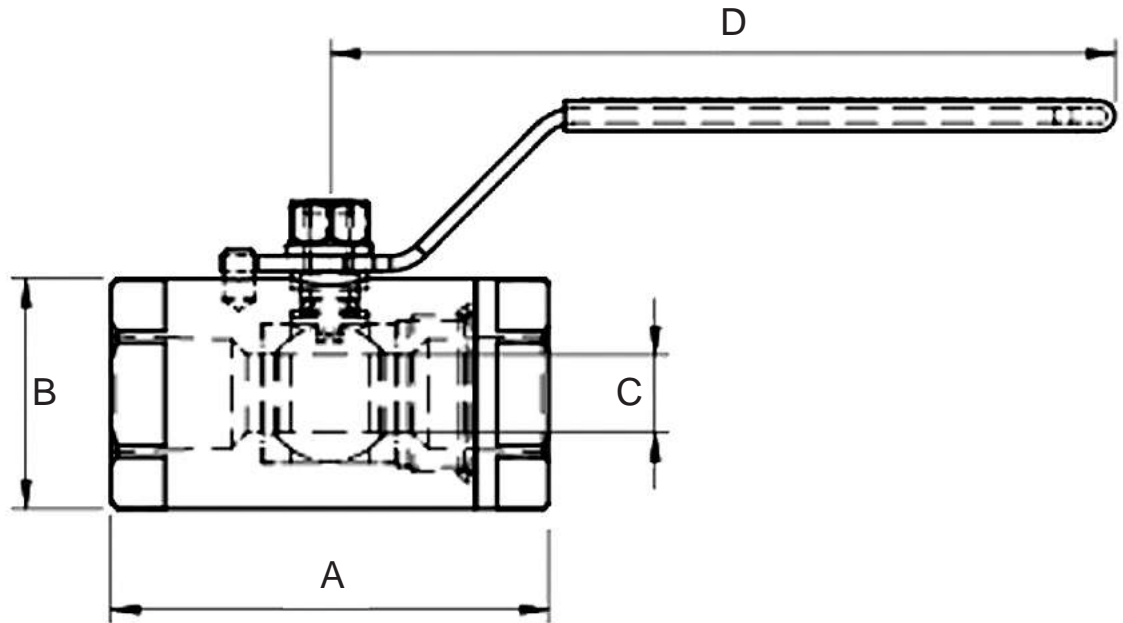


Panel Mount Valve Kit

PRODUCT

BV700

Ball Valves 700 Series



Duty:

The 700 series ball valve is an all stainless steel bar stock two-piece serviceable valve. An anti-blowout stem design allows for high pressure operation in long term service. Fully CNC machined seats ensure minimal but even seat wear. Superior materials and finishes are used resulting in very long valve life even in rapid repetitive cycle applications. Service kits are readily available. This series of valves are rated and safety tested at four times working pressures.

Applications:

Natural Gas, Compress Air, Water Treatment, Chemical Handling, Liquid Petroleum Gas, Temperature Rated Food Handling.

Working Pressure: 6,000psi

Burst Pressure: 24,000psi

Thread Options:

- SAE
 - NPT
 - BSP
- Or as required by customer

Item Code	Nominal Size	A	B	C	D
BV704	.5" (20mm)	2.87" (73mm)	1.49" (38mm)	0.51" (13mm)	5.19" (130mm)
BV706	.75" (20mm)	3.94" (100mm)	2.17" (55mm)	0.79" (20mm)	6.97"(177mm)
BV708	1" (25mm)	4.25" (108mm)	2.72" (69mm)	1.02" (26mm)	6.97"(177mm)

Component Name	Material Standard
Body	316 Stainless steel
Cap	316 Stainless steel
Stern	316 Stainless steel
Ball	316 Stainless steel
Seat	Delrin AF
Thrust waster	Delrin AF
Stem o-ring	Nitrile
Cap o-ring	Nitrile

Available from:

TULSA GAS TECHNOLOGIES, INC.

4809 S. 101 E. Ave. • Tulsa, OK 74146 • 918-665-2641 • FAX 918-665-2657