



400 Series TPED Ball Valves

Applications

High Flow ball valves for trailer use.

Suitable for Hydrogen, RNG, CNG, Biogas, Helium, Nitrogen. Check with Oasis for compatibility with other gases.



BV404-6C4TCDW-G000

Materials

Item	Part	Material
1	Body & Cap	Stainless Steel
2	Ball	Stainless Steel
3	Stem	Stainless Steel
4	Seats	PEEK

Item	Part	Material
5	Thrust washer	POM
6	Gland	POM
7	O-rings	FKM
8	Backup rings	NBR
9	Handle	Stainless Steel

Product Information

Type Tested to ISO23826.

Certified to TPED 2010/35/EU, Pi marked.

All products are manufactured to ISO 9001 standards.

520 bar working pressure.

650 bar MAWP (Maximum Allowable Working Pressure).

MP threads to Maximator document 3999.1831.

Features & Benefits

All materials are suitable for use in Hydrogen applications.

Easy to service, kits readily available.

Quarter turn handle.

Anti blow-out stem.

Manufactured from certified bar stock.

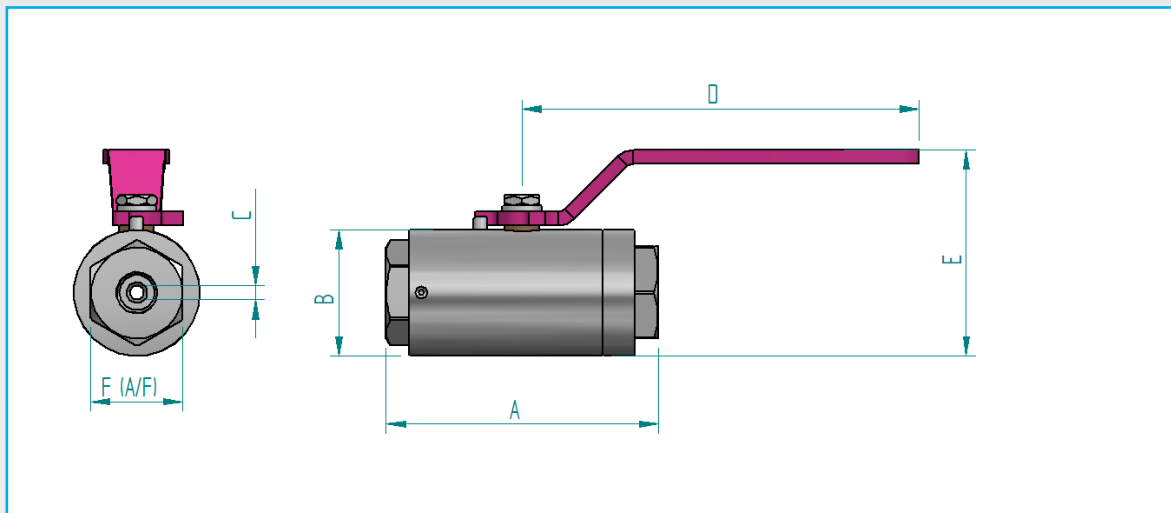
Lockout system available on request to prevent accidental operation of valve.

Actuated options available on request.



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Product Dimensions



MP Product Dimensions - Inch(mm)

Part Code	Port Thread	Size (DN) Inch (mm)	A	B	Ø C	D	E	F (A/F)
BV404-6A4TCDW-G000	9/16"-18 UNF (3/8" MP)	1/2 (13)	3.9 (98.5)	1.8 (45.6)	0.2 (5.1)	5.7 (144)	2.9 (75)	1.3 (33.4)
BV404-6B4TCDW-G000	13/16"-16 UN (9/16" MP)		4.7 (118.5)		0.35 (9.1)			1.6 (40.8)
BV404-6C4TCDW-G000	3/4"-14 NPSM (3/4" MP)				0.5 (13.1)			1.6 (40.8)

Other sizes and fittings available on request, contact Oasis for further information.

Medium Pressure Product Specification

Part Code	Port Thread Size	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	MAWP (PS) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)^	Cycles Before Rekit^^	Stem Open Torque ft-lb (Nm)^^^	Cv	Service Kit
BV404-6A4TCDW-G000	3/8"	2.9 (1.3)	6.9 (100)	520 (7539)	650 (9425)	-40 (-40)	185 (85)	2000	14.7 (20)	0.9	BV404-SK1
BV404-6B4TCDW-G000	9/16"	3.1 (1.4)								3.0	
BV404-6C4TCDW-G000	3/4"									6.6	

* Lowest settled gas pressure for which the ball valve is designed. This is the minimum pressure that the product will hold constant bubble tight seal.

** Settled pressure of a compressed gas at a uniform reference temperature of 15°C in a full pressure receptacle for which the valve is intended.

*** Maximum allowable pressure to which the product can be safely pressurised (ISO 17268:2020 Section 3.2).

^ ISO23826 calls for a maximum temperature of 149 °F (65 °C). Supplementary testing completed at 185 °F (85 °C).

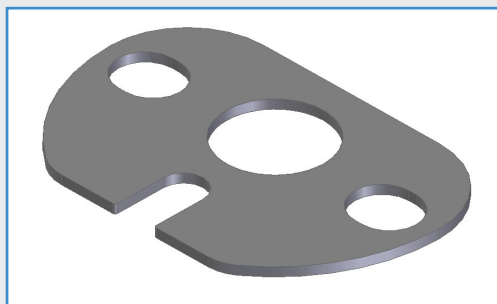
^^ The temperature's and cycles stated depend on the system conditions and may not be achievable in all situations. Contact Oasis for further information.

^^^ Maximum opening torque at maximum operating pressure.



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Accessories:



BV404 Lockout Plate

Features & Benefits

Prevents accidental opening or closing of the valve.

Part Code	Material
XTH404-012	Stainless Steel