

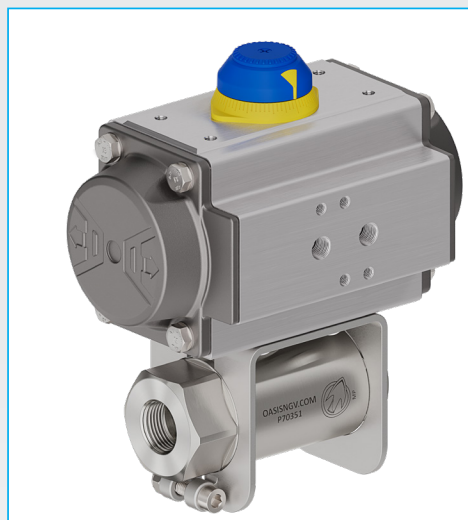


400 Series Actuated TPED Ball Valves

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 with Air Torque AT101

Materials

Part	Description	Material
BV400 Series	Ball Valves	As per product specification
AT	Air Torque	As per manufacturer's specification
BVAC	Actuator Mount Bracket and Bolts	Stainless Steel
	Actuator Drive Dog	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.

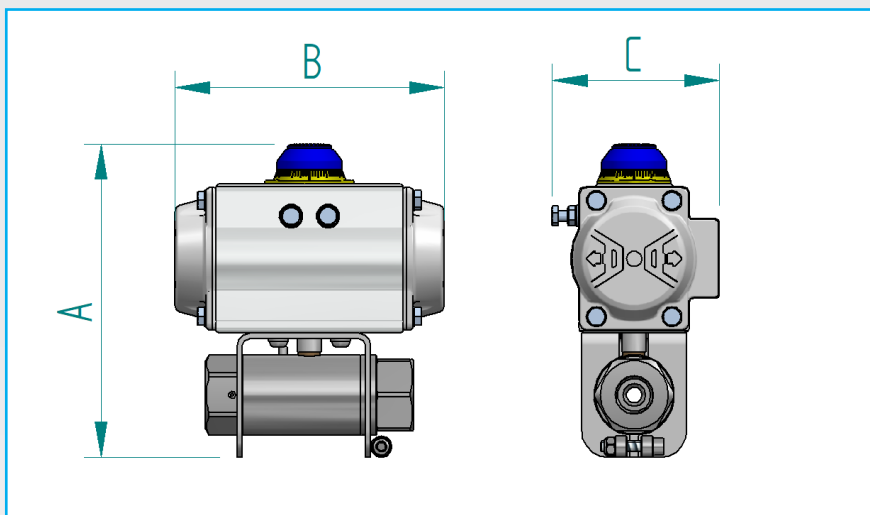
Lockout system available on request to prevent accidental operation of valve.

Actuated options available on request.



400 Series Actuated TPED Ball Valves

Product Dimensions



MP Product Dimensions - Inch(mm)

Part Code	Port Thread	Size (DN) Inch (mm)	A	B	C	Actuator
BV404-6A4TCDW-0111 (N/C)	9/16"-18 UNF (3/8" MP)	1/2 (13)	7.0 (178)	6.0 (154)	3.75 (95)	AT101
BV404-6A4TCDW-0112 (N/O)						
BV404-6B4TCDW-0111 (N/C)	13/16"-16 UN (9/16" MP)					
BV404-6B4TCDW-0112 (N/O)						
BV404-6C4TCDW-0111 (N/C)	3/4"-14 NPSM (3/4" MP)					
BV404-6C4TCDW-0112 (N/O)						



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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)^	Cv	Stem Open Torque ft-lb (Nm)^a	Actuator Supply Pressure bar (psi)^aa	Actuator Air Supply Post Size
BV404-6A4TCDW-0111 (N/C)	3/8"	7.0 (3.2)	6.9 (100)	520 (7539)	650 (9425)	-40 (-40)	185 (85)	0.9	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV404-6A4TCDW-0112 (N/O)											
BV404-6B4TCDW-0111 (N/C)	9/16"	7.5 (3.4)									
BV404-6B4TCDW-0112 (N/O)								3.0			
BV404-6C4TCDW-0111 (N/C)	3/4"	7.3 (3.3)									
BV404-6C4TCDW-0112 (N/O)								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).

^^ Maximum opening torque at maximum operating pressure.

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

(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.