

900 Series Air Torque Actuated Ball Valves

Applications

Remote ball valve actuation.

High Flow ball valves for Compressors, Dispensers, Priority Panels, Isolation valves, Gas storage.

Suitable for Hydrogen, CNG, Biogas, Helium, Nitrogen and other gases on enquiry.



BV904 with Air Torque AT101

Materials

Part Code	Description	Material
BV900 series	Ball Valves	As per product specification
AT	Air Torque	As per manufacturers specification
BVAC	Actuator Mount Bracket and Bolts	304 Stainless Steel
	Actuator Drive dog	303 Stainless Steel

Product Information

Type tested to ISO23826.

Complies with PED 2014/68/EU.

All products are manufactured to ISO 9001 standards.

NPT threads conform to ASME B1.20.1.

BSP threads conform to ISO 228.

SAE threads conform to SAE J1926.

Other connections available on request.

Separate part numbers for “Normally Open” and “Normally Closed” configurations.

Features & Benefits

Oasis provides actuated ball valves, factory fitted and tested for your convenience.

Range of end connections from 1/4” to 1” nominal.

Suitable for 385 bar working pressure trailers.

Anti blow-out stem.

Manufactured from certified bar stock.

Featuring a floating drive dog, that dampens vibration - extending the life of the valve.

A carefully aligned, rigid bracket ensures minimal lateral torque.

Simple design, easy maintenance.

Economical on space.

TPED Pi Marked version available.

Manual handled versions also available with or without handle lockout system.

900 Series Air Torque Actuated Ball Valves

NPT Product Specification

Part Code	Size (DN) Inch (mm)	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	Test Pressure (PT) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)	Cv	Stem Open Torque ft-lb (Nm)^^	Actuator Supply Pressure bar (psi) ^^^	Actuator Air Supply Port Size
BV902-6N4PCDW-0124 (N/C)	1/4"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2.8	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV902-6N4PCDW-012M (N/O)	1/4"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2.8	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV904-6N4PCDW-0124 (N/C)	1/2"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	13.1	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV904-6N4PCDW-012M (N/O)	1/2"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	13.1	14.7 (20)	6-8 (87-116)	1/8" BSPP

SAE Product Specification

Part Code	Size (DN) Inch (mm)	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	Test Pressure (PT) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)	Cv	Stem Open Torque ft-lb (Nm)^^	Actuator Supply Pressure bar (psi) ^^^	Actuator Air Supply Port Size
BV904-6S4PCDW-0124 (N/C)	1/2"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	13.1	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV904-6S4PCDW-012M (N/O)	1/2"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	13.1	14.7 (20)	6-8 (87-116)	1/8" BSPP

BSPP Product Specification

Part Code	Size (DN) Inch (mm)	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	Test Pressure (PT) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)	Cv	Stem Open Torque ft-lb (Nm)^	Actuator Supply Pressure bar (psi) ^^	Actuator Air Supply Port Size
BV902-6B4PCDW-0124 (N/C)	1/4"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2.8	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV902-6B4PCDW-012M (N/O)	1/4"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2.8	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV904-6B4PCDW-0124 (N/C)	1/2"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	13.1	14.7 (20)	6-8 (87-116)	1/8" BSPP
BV904-6B4PCDW-012M (N/O)	1/2"	5.1 (2.3)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	13.1	14.7 (20)	6-8 (87-116)	1/8" BSPP

* 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.

*** Minimum pressure applied to the valve during testing

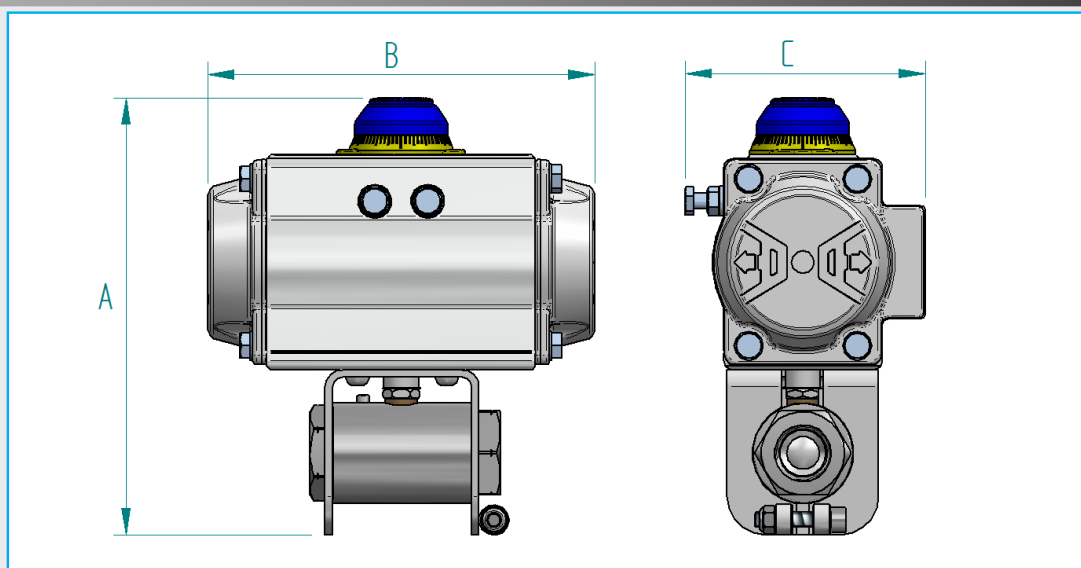
^ Maximum opening torque at maximum operating pressure.

^^ 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.

900 Series Air Torque Actuated Ball Valves



NPT Dimensions Inch (mm)

Part Code	Size	A	B	C	Port Thread	Actuator
BV902-6N4PCDW-0124 (N/C) BV902-6N4PCDW-012M (N/O)	1/4"	6.8 (173)	6.1 (155)	3.74 (95)	1/4" NPT FEMALE	AT101
BV904-6N4PCDW-0124 (N/C) BV904-6N4PCDW-012M (N/O)	1/2"	6.8 (173)	6.1 (155)	3.74 (95)	1/2" NPT FEMALE	AT101

SAE Dimensions Inch (mm)

Part Code	Size	A	B	C	Port Thread	Actuator
BV904-6S4PCDW-0124 (N/C) BV904-6S4PCDW-012M (N/O)	1/2"	6.8 (173)	6.1 (155)	3.74 (95)	1/2" SAE FEMALE	AT101

BSPP Dimensions Inch (mm)

Part Code	Size	A	B	C	Port Thread	Actuator
BV902-6B4PCDW-0124 (N/C) BV902-6B4PCDW-012M (N/O)	1/4"	6.8 (173)	6.1 (155)	3.74 (95)	1/4" BSPP FEMALE	AT101
BV904-6B4PCDW-0124 (N/C) BV904-6B4PCDW-012M (N/O)	1/2"	6.8 (173)	6.1 (155)	3.74 (95)	1/2" BSPP FEMALE	AT101

(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.

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