

BVA300 series

pneumatic rotary actuators



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The BVA300 series pneumatic rotary actuators are manufactured in 12 different sizes. These actuators can be used with either ball valves or butterfly valves for on/off control or modulating control applications. They are provided with two bi-directional travel stops and travel adjustment, with torque figures up to 4000 Nm.

Technical information and materials

- Hard anodized aluminium body
- Stainless steel bolts, studs and nuts
- Maximum operating pressure: 8 bar g (116 psi g)
- Working temperature range: -30°C to +100°C (-22°F to +212°F)
- Mounting of solenoid valves according to NAMUR standard
- Position indicator and mechanical limit switches (bi-directional pinion travel stops)
- Carbon steel pinion with Electroless Nickel Plated (ENP) treatment

Models and configurations

Double acting	Single acting	Spring configuration			
BVA310D	BVA310S → 4 6 8				
BVA315D	BVA315S →		8	10	12 14
BVA320D	BVA320S →		8	10	12 14
BVA325D	BVA325S →		8	10	12 14
BVA330D	BVA330S →		8	10	12 14
BVA335D	BVA335S →		8	10	12 14
BVA340D	BVA340S →		8	10	12 14
BVA345D	BVA345S →		8	10	12 14
BVA350D	BVA350S →		8	10	12 14
BVA355D	BVA355S →		8	10	12 14
BVA360D	BVA360S →		8	10	12 14
BVA365D	BVA365S →		8	10	12 14

BVA300 series

	Features	Benefits
 Features and benefits	Versatile actuator selection, based on size and the available air pressure	Quick and easy selection
	Internal spring configuration modified	Easy to maintain
	Pre-compressed springs	Safe to configure and maintain
	Antifriction sliding bearings / Slide guide	Long service life
	Bi-directional travel stops	Allows a full $\pm 5^\circ$ travel adjustment between 85° and 95°
 Spring configurations	Centring ring	Easy to mount and ensures better stability during operation
	Assembly variations: normally open (N/O) or normally closed (N/C)	Open or closed configuration available
	A new pinion design involves modifications to the internal springs. The BVA300 has pre-compressed springs which allows different configurations. In this way, springs can be adapted to different air pressures, facilitating safe, simple and fast maintenance.	
 Certificates	ISO	Spirax Sarco is certified by ISO 9001:2002
	PED	BVA310 to BVA335 are classified as Category SEP (PED 97 / 23 / EC) BVA340 to BVA365 are classified as Category 1, procedure module A.
	ATEX	BVA300 are classified for use in potentially explosive atmospheres as Group II Category 2, suitable for zones 1, 2, 21 and 22 in accordance with Annex VIII - Directive 94 / 9 / CE.
 Bi-directional travel stops	The BVA300 pneumatic actuators are provided with bi-directional pinion travel stops which allow a travel adjustment between 85° and 95° . These travel stops avoid superfluous forces and torques which otherwise reduce an actuator's service life.	
 Body labels	Double acting and single acting BVA300 actuators include labels which identify them. ATEX EX Proof certification for use in explosive atmospheres is printed on the label. Single acting actuators detail the quantity of springs according to the actuator configuration.	

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