

BODY MANUFACTURED FROM EXTRUDED ALUMINUM UNI 6060:

- Hard-coat anodized as standard finish 45-50 (micron).
- Good wear resistance.
- High corrosion resistance.
- Special finishes nickel-plating or P.T.F.E coated upon request.
- Bore finished to high standard to ensure low friction and long life.

CONCENTRIC SPRING SETS

- Standard coating painted.
- High resistance and reliability.
- Spring sets to suit different air pressure/torque requirements.
- Long securing screws to allow safe dismantling for maintenance.
- Same body dimensions for DA/SR versions.

DIE CAST ALUMINIUM END CAPS:

- Standard polyester powder coated
- Upon request nickel - plated and or P.T.F.E coated for corrosive environments.

ASSEMBLING SCREW:

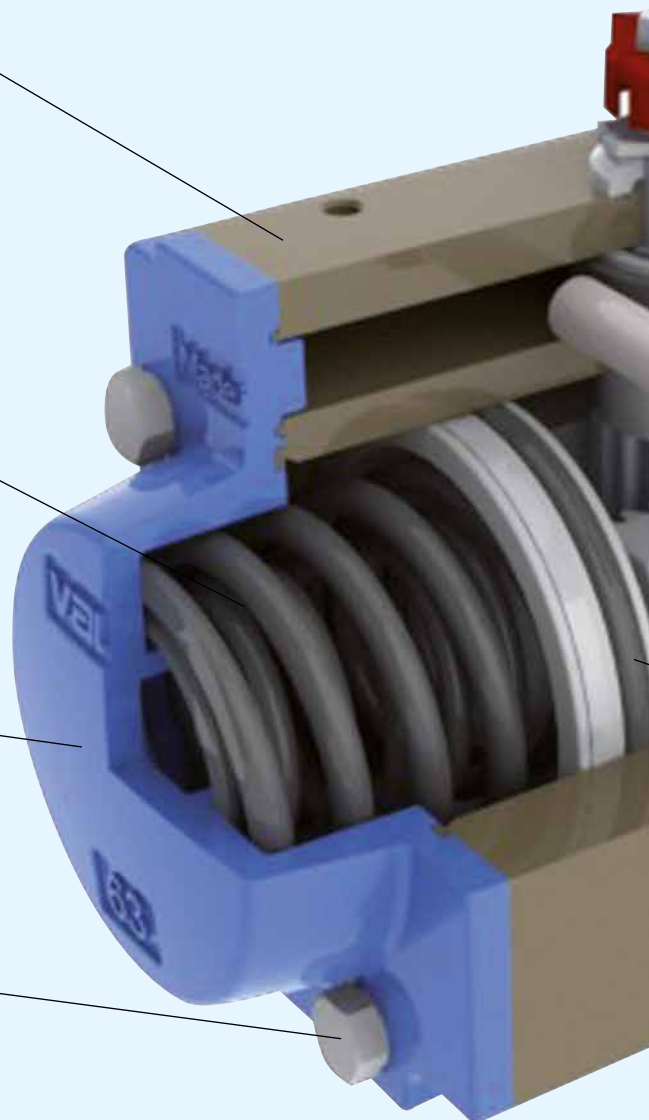
- Stainless steel as standard.

EXTERNAL CONNECTION:

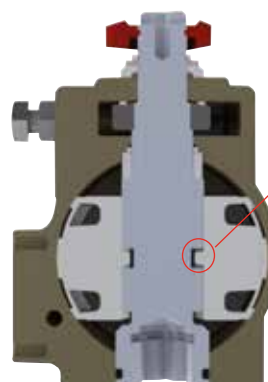
- Top of pinion according to Namur norm.
- Solenoid valve connection according to Namur norm.
- Bottom of pinion according to ISO 5211-DIN 3337.

NOMINAL VALUES:

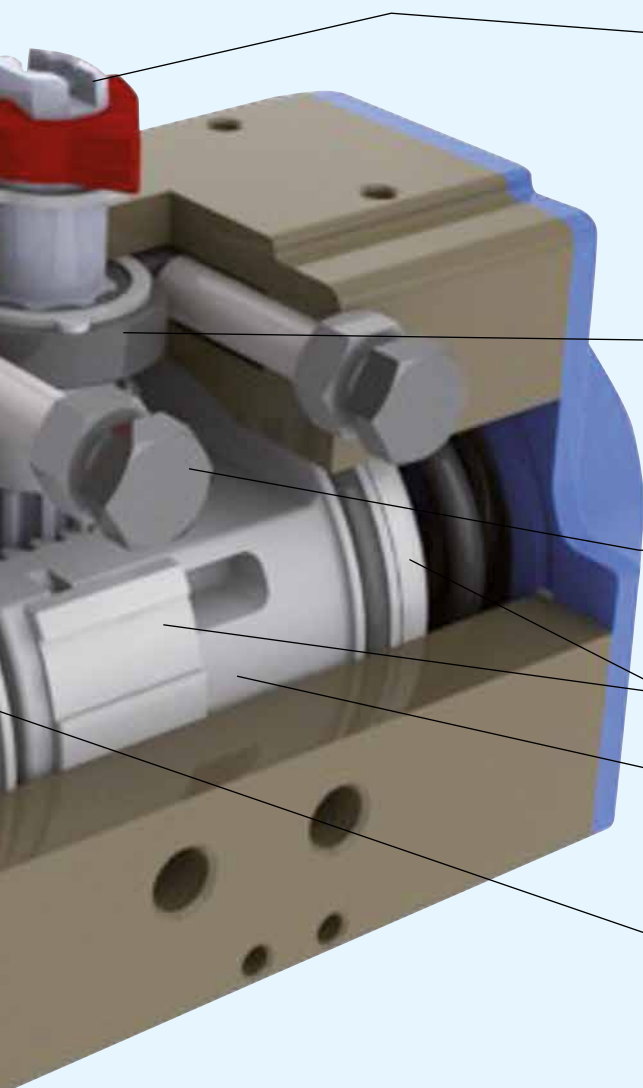
- Pressure rating max 8 bar.
- Temperature range:
standard (-20°C to +85°C), high (-20°C to +150°C),
low (-40°C to +85°C).
- Pre lubricated for life of actuator on assembly.
- Fully tested on manufacture 100%.



ANTI-BLOWOUT SYSTEM



Piston provided with
anti-blowout flat key.



PINION MADE IN STEEL:

- Nickel-plated for standard version against internal and external corrosion.
- Stainless steel for corrosive environments upon request.
- Anti-blowout design.

CAM FOR LIMIT POSITION ADJUSTMENT 0°-90°

- Stainless steel.
- Adjustment for open and close position $\pm 5^\circ$.

PISTON GUIDES IN POM:

- Large contact area.
- Low friction for self lubricating material.
- Long life.

PISTONS MADE FROM DIE CAST ALUMINIUM:

- Chemical nickel plating upon request.

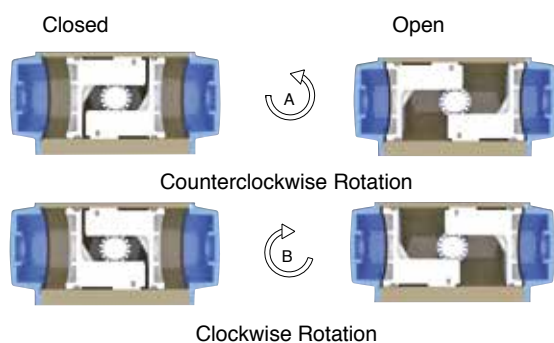
SEALS:

- NBR standard version.
- Viton high temperature version.
- Silicone low temperature version.

TWIN RACK AND PINION DESIGN:

- Constant torque output.
- Compact design.
- Balanced internal forces.
- Robust design to ensure long life.

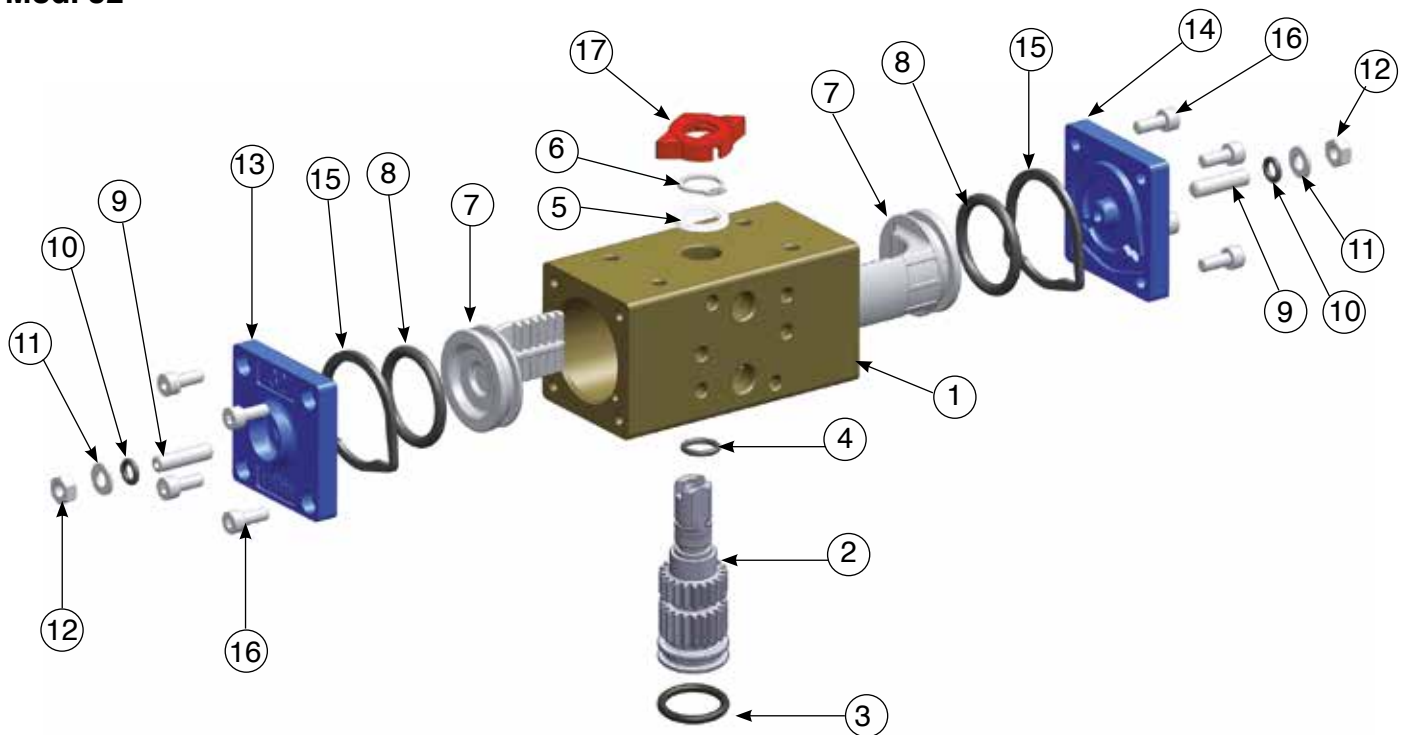
MOUNTING VARIATIONS



		Via Canossa, 31 20082 - Brozzo di Marcheno (Brescia) ☎ 030 89 411 18 - FAX 030 86 10 014 e-mail: info@valbia.it
VALBIA S.r.l.		
_____ _____ _____		
DECLARATION OF CONFORMITY DIRECTIVE 94/9/EC (ATEX – ATMOSPHERE EXPLOSIVE)		
Model of this Declaration according to the standard EN 60959		
The Company: VALBIA S.r.l. Address: Via Canossa, 31 – 25060 Brozzo di Marcheno (Brescia) – Italy declares under its own responsibility that the PNEUMATIC ACTUATORS to which this declaration refers to, comply with the following: ATEX Directive 94/ 9/ EC of 23 march 1994 Group II, category 2, Gas (zone 1) and Dust (zone 21), Temperature class T6 according to the following standard EN 13463-1 Non-electrical equipment for potentially explosive atmospheres. Basic method and requirements. November 2001		
TÜV SÜDDEUTSCHLAND BAU UND BETRIEB (0123) Certificate Nr. EX9 03 10 51336 001		
Marcheno, 16 novembre 2015 _____ (date and place)		
_____ (signature)		
The company works according to a QUALITY and ENVIRONMENTAL SYSTEM which complies with the standards ISO 9001 and ISO 14001 , recognised by SGS . ISO 9001 – ISO 14001		
ATEX 1.2 QD T6 Certificate		

**ATEX II 2GD T6
Certified**

Mod. 32



Item	Description	Material	Treatment	Q.TA'
1	Body	Extruded aluminium	Hard anodized	1
2	Anti-blowout pinion	Steel	Nickel plated	1
• 3	O-ring	NBR		1
• 4	O-ring	NBR		1
• 5	Spacer ring	POM		1
6	Snap ring	Steel	Nickel plated	1
7	Piston	Die cast aluminium		2
• 8	O-ring	NBR		2
9	Stop bolt	Stainless steel		2
• 10	O-ring	NBR		2
11	Washer	Stainless steel		2
12	Stop boltretaining nut	Stainless steel		2
13	Left end cap	Die cast aluminium	Painted	1
14	Right end cap	Die cast aluminium	Painted	1
15	End cap seats	NBR		2
16	End cap fixing screw	Stainless steel		8
17	Position indicator	Thermoplastic rubber TPE		1

• Parts subject to wear