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Passion is the essential element of our work



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## Pneumatic Actuator

An actuator is a device capable of transforming pneumatic energy, activating a process with the aim to automate the operation.

The pneumatic actuator receives commands from a regulator and then activates a control element of the process, for example a valve.



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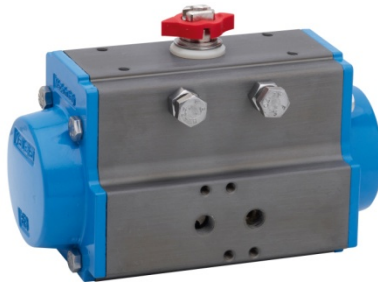
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## Why Automate?

The decision to automate a valve is normally based on one of the following needs:

- Security.
- Reliable operation.
- Remote or inaccessible location of the valve.
- Excessive force required to move the valve.
- Emergency stop system.

## Actuators series 82



Pneumatic Actuators standard 0-90 °, 15 models from 9Nm to 5000Nm.

6 variants (including low and high temperature, Pinion Steel 303, ISO 5211 F04, nickel and PTFE-coated).

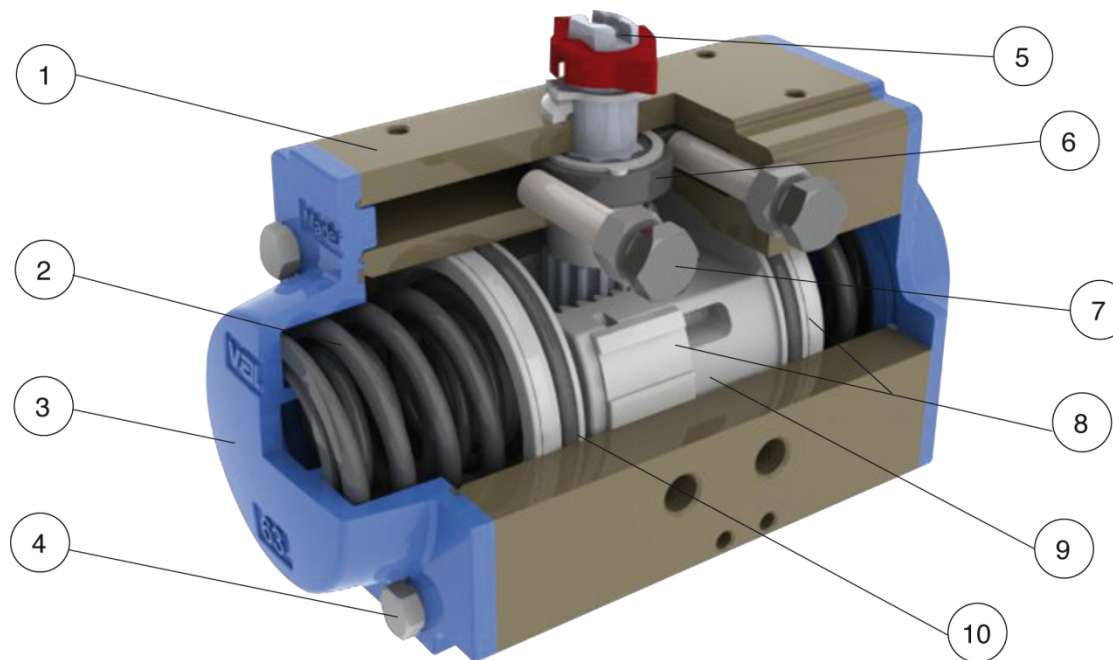


Pneumatic Actuator double acting 0 – 180°, 9 models from 22Nm till 760Nm.



Stainless steel pneumatic Actuator double acting & spring return, 5 models from 22Nm till 160Nm.

## Technical specifications



1. Body manufactured from extruded aluminium, UNI 6060.

2. Concentring spring set.

3. Die cast aluminium end caps.

4. Assembling screw.

5. Steel Pinion.

6. Regulation cam (rotation 0°-90°).

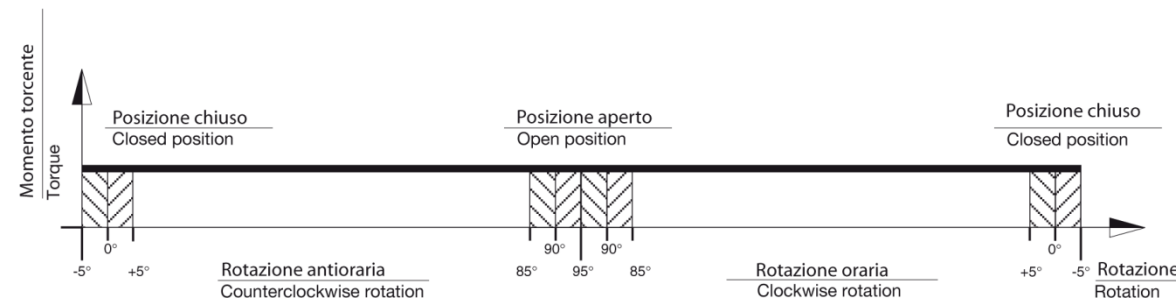
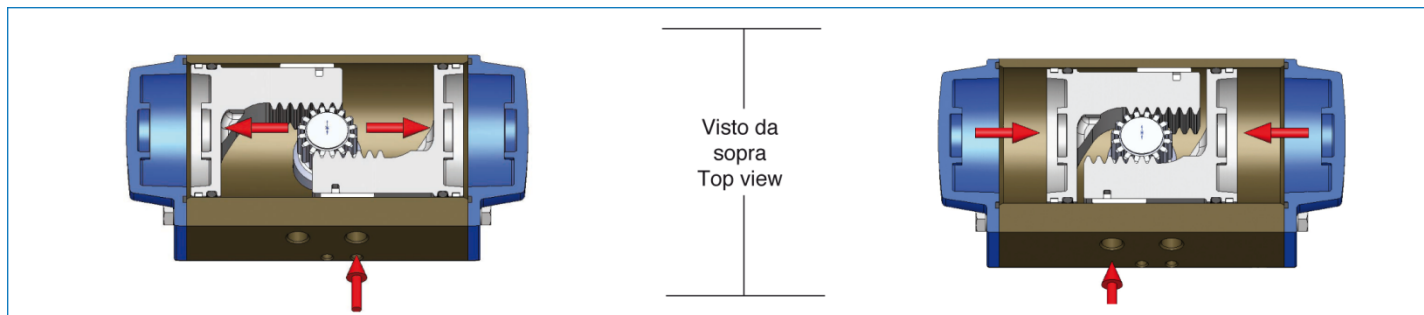
7. Regulation screws.

8. Piston guides in POM.

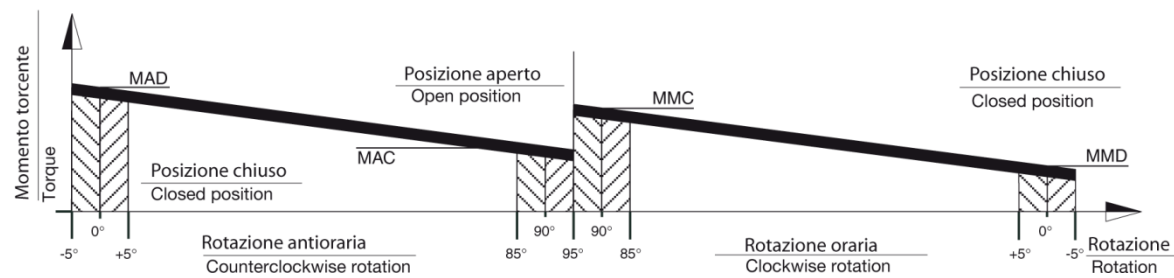
9. Die cast aluminium pistons.

10. NBR standard seal (also available in in viton or silicon, high or lowtemperature).

## Double Acting DA

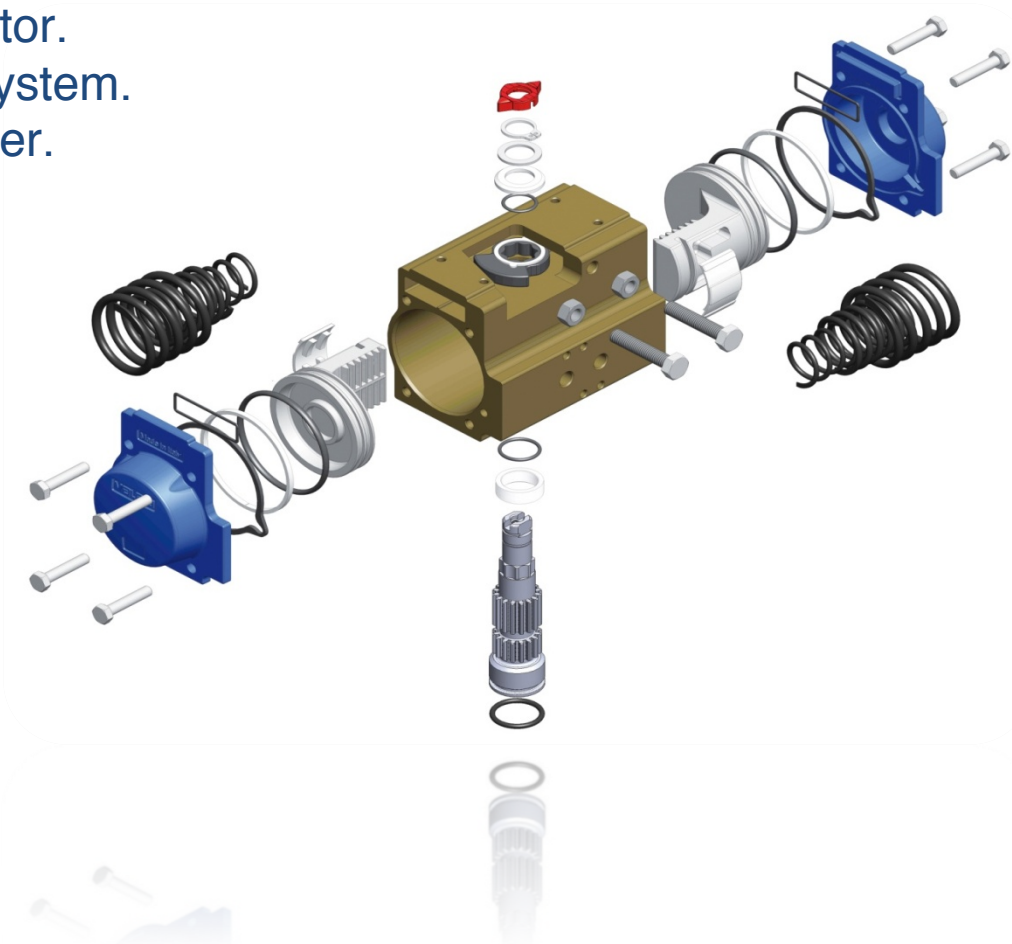


Spring return SR



## Advantages

- Double adjustment.
- Position indicator.
- Anti-blowout system.
- Double chamber.





## Double Adjustment

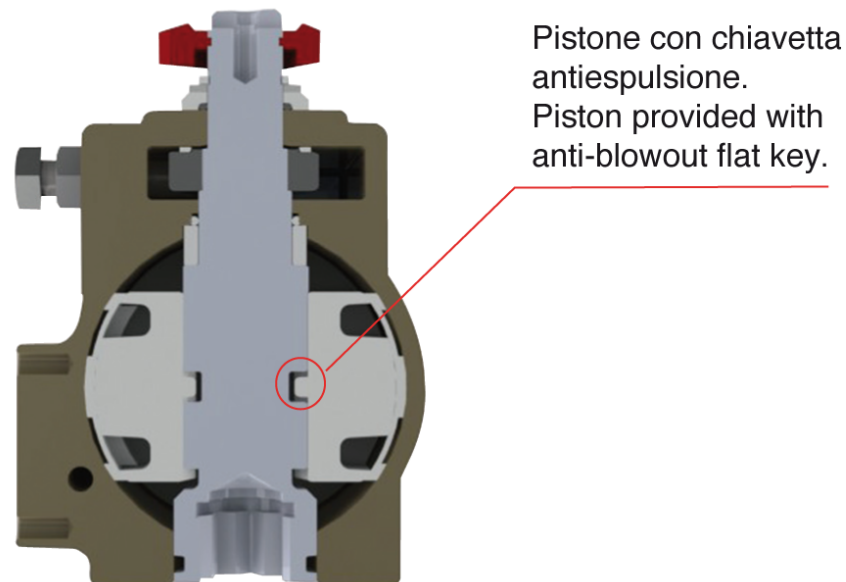
- Double Adjustment  $\pm 5^\circ$  STANDAR both in opening and closure direction through the regulation screws, everything is inserted in the dedicate internal chamber.
- Regulation screws in stainless steel.

## Position Indicator

- The position indicator is standard.
- Rubber instead of plastic is used for the o'ring to avoid any damages on the operator's hands).
- Indicator with 3 ways mounting kit, both for "L" and for "T".

## Anti-Blowout system

- Piston provided with anti-blowout flat key.

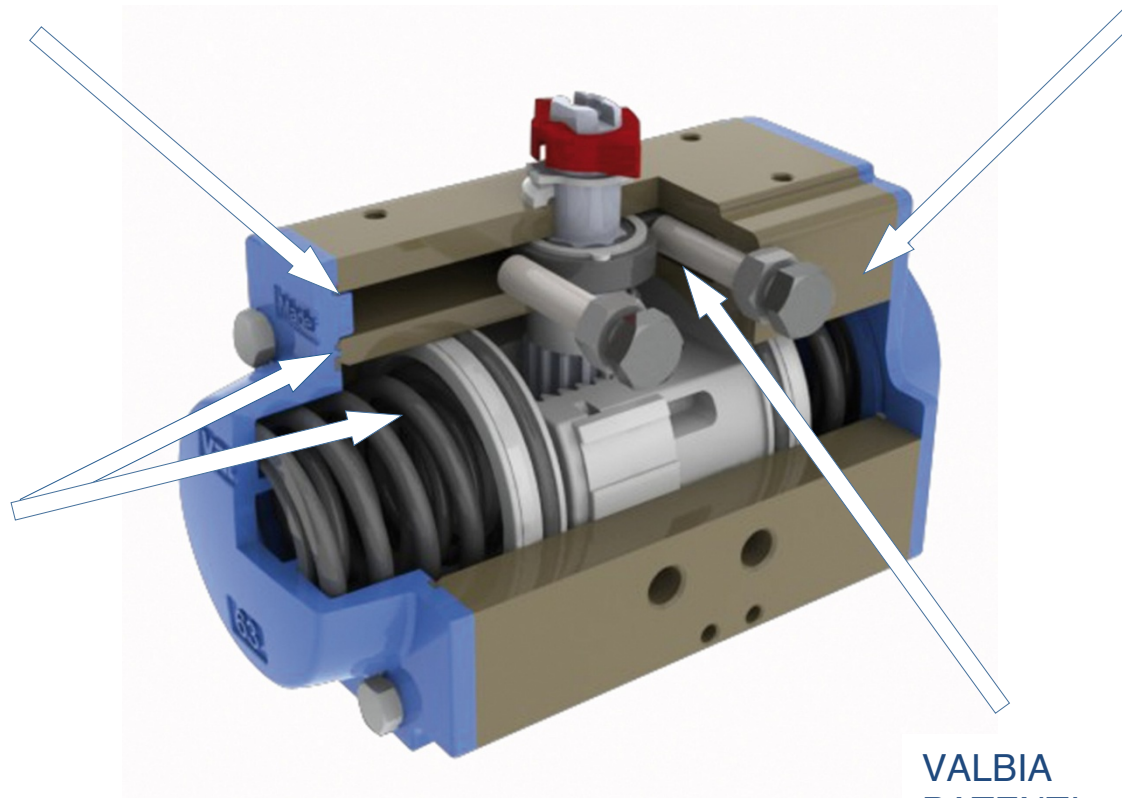


## Double chamber

No communication  
between the  
2 chambers

No leakages  
points

2 separate  
chambers



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## Other advantages

- For a standard usage 1.000.000 cycles are guaranteed .
- 100% production, mounting and testing in Italy.
- High level of STOCK availability.
- Technical support.
- Widening presence of Bonomi Group around the world.



RUBINETTERIE  
BRESCIANE

VALPRES

VALBIA

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Only excellence and best practices allow to face the international challenges of today's global competition.

The passion and energy of dedicated team of people who research, plan and realize top quality products create the necessary synergy to deliver the best customers' experience and satisfaction. We are ready.