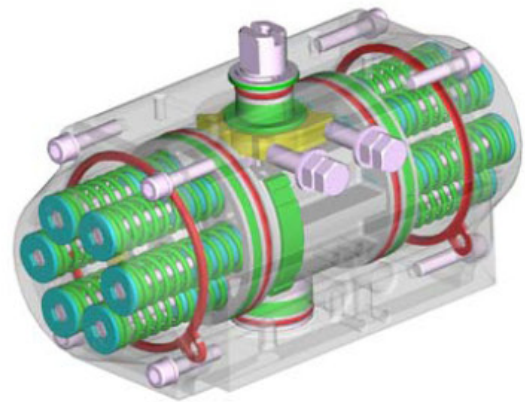
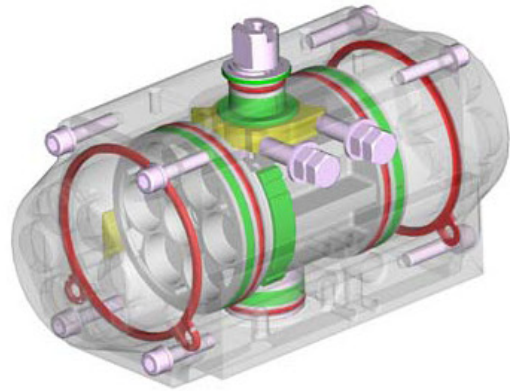


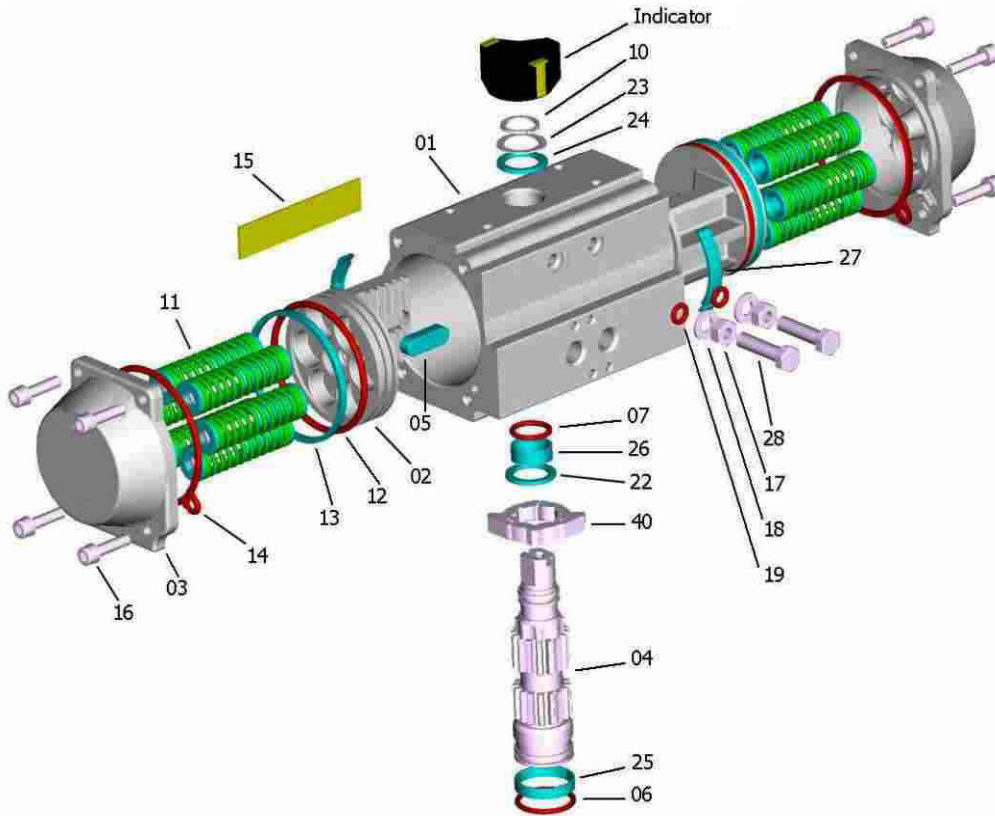
## STANDARD VERSION FEATURES

- Ø **ASTM 6063 T6 extruded Aluminium Body**, inside surface finish  $Ra=0,4-0,6$ . 25 micron Hard Anodizing.
- Ø **EN AB 46100 die-casted Aluminium alloy Pistons**, 15 micron Anodizing.
- Ø **EN AB 46100 die-casted Aluminium alloy Covers**, painted with 60-80 micron polyester powder.
- Ø **Carbon steel Shaft**, 20 micron nickel-plated. Optional in Stainless Steel AISI 316 (A4).
- Ø **External adjusting gear**, in Stainless Steel AISI 316 (A4).
- Ø Screws in Stainless Steel AISI 304 (A2).
- Ø Seals in nitrile rubber NBR. Optional HIGH Temperature = FPM\FKM. Optional LOW Temperature = SILICONE.
- Ø Bearings in low friction acetal resin LAT-LUB, easily replaceable for maintenance. Optional HIGH/LOW Temperature = PA 66.
- Ø Pre-compressed Spring Cartridges, easily replaceable for maintenance, 25- 30 micron polyester painted.
- Ø Standard grease: Molibdenum Bisulphide. Optional: special grease for HIGH/LOW Temperature.
- Ø Several special protections available for chemical, pharmaceutical, food and industrial environments.



- Supply: dry or lubricated compressed air.
- Working pressure = 8 BAR - 120 PSI. Max. = 10 BAR – 145 PSI.
- Rotation adjustment  $\pm 5^\circ$  in both opening and closing position. Assembly precision  $\pm 1^\circ$ , made by electronic devices.
- Double lower drilling for valve fastening and centering, according to **ISO 5211-DIN 3337 Standards**.
- Double square lower female shaft key (starlike), according to **ISO 5211-DIN 3337 Standards** for assembly on valves with square key on line ( $0^\circ$ ) and diagonal key ( $45^\circ$ ).
- Solenoid connections according to **NAMUR VDI \VDE-3845 Standards**.
- Top drilling for accessories fastening, and upper shaft end according to **NAMUR VDI \VDE-3845 Standards**.
- Position indicator on request, enabling switch-box assembly on top.
- Aluminium adhesive nameplates, with progressive serial number punched.
- Lubrication carried out by the manufacturer, guaranteed for min. 1.000.000 operations.
- Running test and 100% seal test carried out with electronic equipment and certification of each individual product.
- Standard execution for temperatures from  $-20^\circ\text{C}$  to  $+80^\circ\text{C}$  (optional, special execution for extreme temperatures).
- According to **ATEX-94-9-CEE Standard** for explosive environment;  
**STANDARD version actuator: II 2GD c Tmax = 95°C.**
- According to **CEN\TC69\WG1\SG10** design and manufacture standard requirements.

### CONSTRUCTION PARTS – SPECIFICATIONS



PART	QUANTITY	DESCRIPTION	MATERIAL	SPECIFICATION	PROTECTION
1	1	Body	Extruded aluminium alloy	<b>ASTM 6063 T6</b>	A - N - TF
2	2	Piston	Aluminium alloy	<b>EN AB 46100</b>	A
3	2	Cover	Aluminium alloy	<b>EN AB 46100</b>	N - V - TF
4	1	Shaft	Carbon steel <i>optional Stainless Steel</i>	<b>ASTM A105</b> <i>AISI 316 (A4)</i>	N
5 *	2	Antiejection key	Acetalic resin – PA66 – PA66		
6 *	1	Lower shaft O-Ring	NBR - FPM\FKM - Silicone		
7 *	1	Upper shaft O-Ring	NBR - FPM\FKM - Silicone		
10 *	1	Seeger ring	Carbon steel		N
11	0-12	Spring cartridge	Carbon steel, PA 66, S.S.	C-98	V
12 *	2	Piston O-Ring	NBR - FPM\FKM - Silicone		
13 *	2	Piston head bearing	Acetalic resin – PA66 – PA66		
14 *	2	Cover gasket	NBR - FPM\FKM - Silicone		
15	1	Nameplate	Aluminium		
16	4+4	Cover fastening screw	Stainless Steel	AISI 304 (A2)	
17	2	Nut	Stainless Steel	AISI 304 (A2)	
18	2	Washer	Stainless Steel	AISI 304 (A2)	
19 *	2	O-Ring	NBR - FPM\FKM - Silicone		
22 *	1	Gear antifriction washer	Acetalic resin – PA66 – PA66		
23 *	1	Shaft thrust washer	Stainless Steel	AISI 304 (A2)	
24 *	1	Shaft antifriction washer	Acetalic resin – PA66 – PA66		
25 *	1	Lower shaft pilot ring	Acetalic resin – PA66 – PA66		
26 *	1	Upper shaft pilot ring	Acetalic resin – PA66 – PA66		
27 *	2-4	Piston bearing	Acetalic resin – PA66 – PA66		
28	2	Piston screw	Stainless Steel	AISI 304 (A2)	
40	1	External adjusting gear	Stainless Steel	AISI 316 (A4)	
<b>* SPARE PARTS SET:</b>		<b>Standard</b>	<b>Special HIGH Temperatures</b>	<b>Special LOW Temperatures</b>	
Protections					
		<b>A</b> = Anodizing	<b>N</b> = chemical Nickel-plating	<b>V</b> = Painting	<b>TF</b> = Anodizing+PTFE