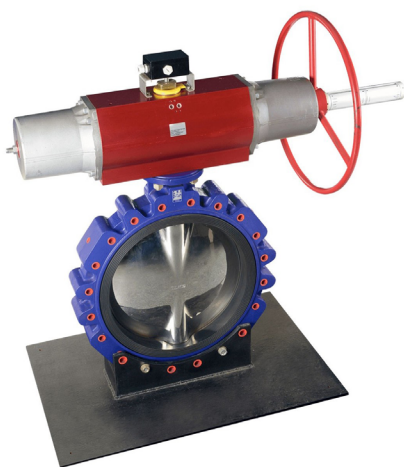
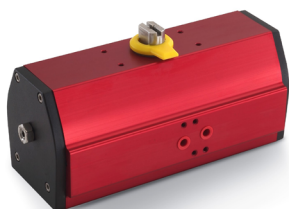
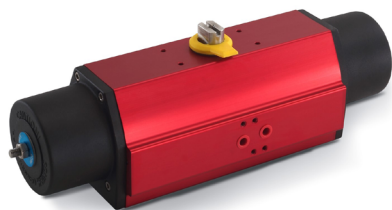




## DR / SR

PNEUMATIC ACTUATOR



### SAPAG VALVES

FRENCH INDUSTRIAL  
VALVE MANUFACTURER

2 Rue du Marais  
80400 Ham, FRANCE

+33(0)3 23 81 43 00  
info@sapag-valves.com

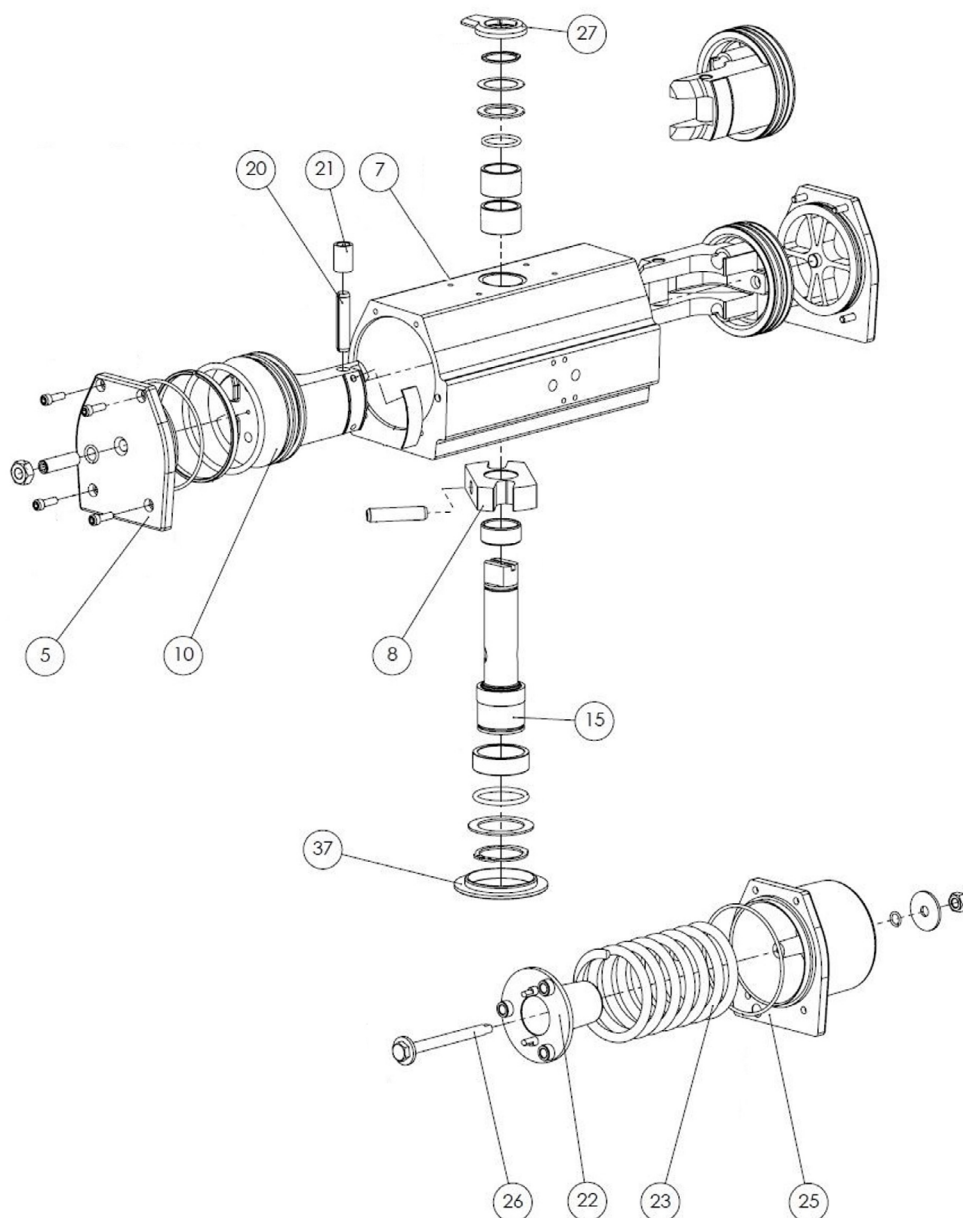
[www.sapag-valves.com](http://www.sapag-valves.com)



<b>Performance</b>	<p><b>Allowable temperature</b> for standard variant: -20 °C → 80 °C *</p> <p><b>Motor air pressure:</b> 2 → 10 bar (according to size and version)</p> <p><i>* Other temperature ranges available on request (see Options)</i></p>
<b>Design Types</b>	<ul style="list-style-type: none"> <li>• <b>DR : Double acting</b> Actuator with pneumatic operation in both directions.</li> <li>• <b>SR : Simple acting</b> Spring return actuator (FMA or OMA).</li> </ul>
<b>Technology</b>	<p>Extremely compact pneumatic actuator.</p> <p>Its scotch yoke mechanism is specially suited to valves requiring high torques at start and end of stroke.</p> <p>Available in several configurations with a wide range of options and accessories.</p> <p>DR/SR actuators have BSP threaded holes and metric threads for mounting on valve to be powered.</p> <p>A variant for the American continent with NPT holes and Imperial threads is also available on request.</p> <ul style="list-style-type: none"> <li>• Valve connections comply with ISO 5211 / DIN 3337 standards.</li> <li>• SR (single acting) version: Caged preloaded springs for enhanced safety.</li> <li>• Connections comply with international standards.</li> <li>• High efficiency, low air consumption.</li> <li>• Housing in anodized aluminium, extruded and honed profile.</li> <li>• Compact manual control. Its unique design preserves the direct actuator to valve link.</li> </ul>
<b>Design Standard</b>	<ul style="list-style-type: none"> <li>• ED 2014/68/EU</li> <li>• ATEX 2014/34/EU</li> <li>• SIL3 unique equipment (IEC 61508)</li> </ul>
<b>Options</b>	<ul style="list-style-type: none"> <li>• Manual control</li> <li>• High temperatures: 0 °C → +150 °C (+32 °F → +300 °F)</li> <li>• Arctic temperatures: -47 °C → +80 °C (-52 °F → +175 °F)</li> <li>• Hydraulic or oleohydraulic system</li> <li>• Overtravel</li> </ul>

## Parts List

	Name	Material
5	Cover	Aluminium
7	Piston	Aluminium
8	Scotch-yoke	Steel
10	Piston	Aluminium
15	Axis	Stainless steel - Steel
20	Piston shaft	Steel
21	Piston roller	Steel
22	Spring guide	Aluminium
23	Spring	Spring steel
25	Spring box	Aluminium
26	Tension screw	Stainless steel - Steel
27	Position indicator	Polymer materials
37	Guide ring	Matériaux polymère



## Connections

Types	Supply	Exhaust
DR: Closing SR(FMA): Opening SR(OMA): Closing	A	B
DR: Opening	A	A
SR(FMA): Closing SR(OMA): Opening	-	A - B

