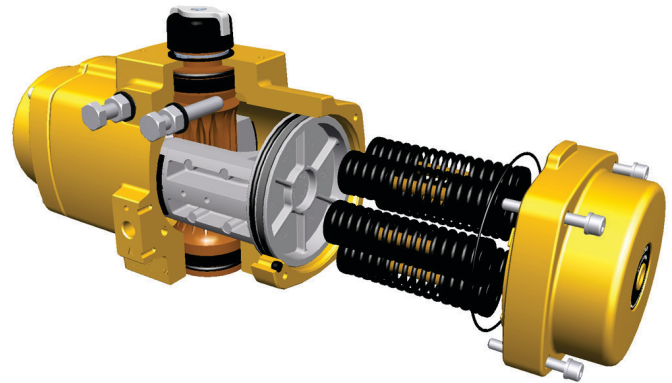


## High Temperature Execution

### Description

A double piston, rack and pinion pneumatic actuator, incorporating an anti-blowout pinion and a piston support system with high duty synthetic bearings at all bearing points.

This version is a standard aluminum actuator, but incorporating grease, O-ring seal and bearing materials, suitable for high temperature operation up to +250 °F (120 °C).



### Specification

Max. pressure:	120 psig (8.3 barg)
Torque:	Standard
Media:	Air or noncorrosive gas
Temperature:	+14 °F to +250 °F (-10 °C to +120 °C)
Finish:	Polyurethane powder coating (see Data Sheet EFG.01.03.EN)

### Spare parts

Dedicated high temperature spare part kits are available for maintenance or to convert a standard actuator into a version suitable for high temperature operation.

Description	Material	Dedicated High Temperature materials
House	Cast Aluminium alloy	
End cap	Cast Aluminium alloy	
Piston	Cast Aluminium alloy	
Pinion	High grade aluminium	
Spring cartridge	Spring Steel	
Bearing strip piston rack	Nylon 66 resin containing Aramid Fibre and PTFE	X
Bearing piston	PTFE 25% carbon filled	X
Bearing pinion	Nylon 66 resin containing Aramid Fibre and PTFE	X
Thrust washer	POM, black UV stabilized	
End cap screw	Stainless Steel	
Circlip	Spring Steel	
O-ring seal pinion	Viton FPM	X
O-ring seal piston	Viton FPM	X
O-ring seal end cap	Viton FPM	X
O-ring seal limit stop	Viton FPM	X
B-port seal	Nitrile rubber	
Limit stop screw	Stainless Steel	
Limit stop nut	Stainless Steel	
Limit stop washer	PA66	
Warning sticker	Polyester	
Indicator assembly	ABS + Stainless Steel screw	
Center plate (option)	Nylon PA6, Black	
Insert drive	Aluminium alloy	
Approved greases for High temperature operation:	<ul style="list-style-type: none"> <li>Castrol High Temperature</li> <li>Rocol Sapphire Premier</li> <li>New: Castrol Spheerol EPL 2</li> <li>New: Total Ceran XM 220</li> </ul>	Formerly called Castrol LMX Formerly called Sapphire HI-TEMP 2 Formerly called BP Energrease LS-EP2 Formerly called Total Ceran WR2
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