

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).

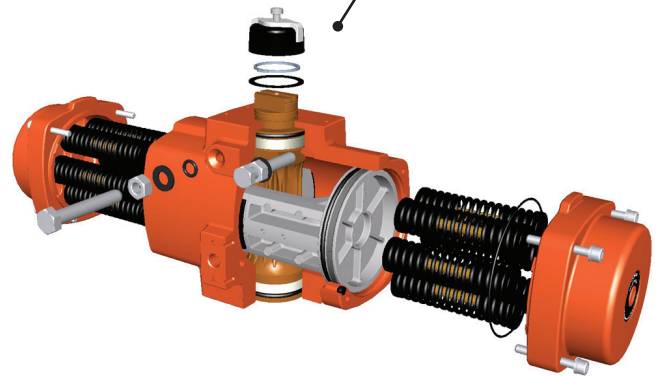
Specification

Max. pressure: 120 psig (8 barg)
Torque: Standard
Media: Air or non corrosive gas
Temperature: 14°F to +250°F (-10°C to +120°C)
Finish: Polyurethane powder coating
(see data sheet BRG.01.03.EN)

Spare parts

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

High temperature components:
- Castrol High temperature grease
- Viton (FPM) O-ring seals
- PTFE 25% carbon filled piston bearings
- Nylon 66 resin containing Aramid Fibre & PTFE for bearing strip piston rack and pinion bearings.



Description	Material
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 & PTFE
Bearing piston	PTFE 25% carbon filled
Bearing pinion	Nylon 66 resin containing Aramid Fibre & PTFE
Thrust washer	POM, black UV stabilized
End cap screw	Stainless Steel
Circlip	Spring steel
O-ring seal pinion	Viton FPM
O-ring seal piston	Viton FPM
O-ring seal end cap	Viton FPM
O-ring seal limit stop	Viton FPM
B-port seal	Silicon 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
Grease	Castrol High temperature grease