

Low 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.

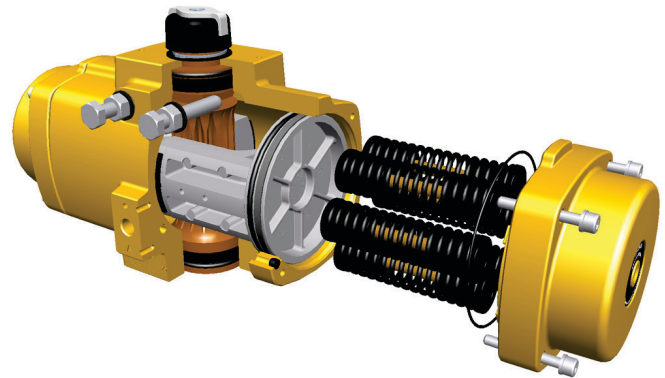
This version is a standard aluminum actuator, but incorporating grease and O-ring seal materials, suitable for low temperature operation down to -40 °F (-40 °C).

Notes:

When operating actuators in sub-zero temperatures (< 0 °C or < 32 °F) care should be taken to counter the effects of freezing condensate inside the actuator.

Specification

Max. pressure: 120 psig (8.3 barg)
 Torque: Standard
 Media: Air or noncorrosive gas
 Temperature: -40 °C to +80 °C (-40 °F to +176 °F)
 Finish: Polyurethane powder coating
 (see Data Sheet EFG.01.03.EN)
 Cycle life: Replace the seals after 250.000 cycles



Spare parts

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

Description	Material	Dedicated Low 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	POM	
Bearing piston	PTFE 25% carbon filled	
Bearing pinion	POM	
Thrust washer	POM, black UV stabilized	
End cap screw	Stainless Steel	
Circlip	Spring Steel	
O-ring seal pinion	Silicone MVQ70	X
O-ring seal piston	Silicone MVQ70	X
O-ring seal end cap	Silicone MVQ70	X
O-ring seal limit stop	Silicone MVQ70	X
B-port seal	Silicon rubber	X
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 Low temperature operation:	Castrol Optitemp LG2 or SKF – LGLT 2 or FUCHS – Renolit Unitemp 2	X