

Subject to change without notice

VALVE AUTOMATION  
SYSTEMS

ELCO-MATIC<sup>®</sup>  
w w w . e l c o - m a t i c . c o m

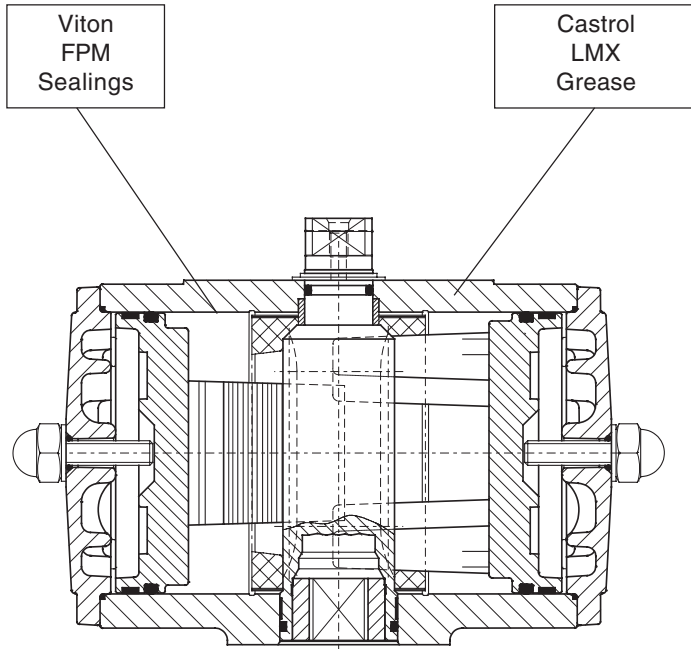
Nr.:

1.101.71

All rights reserved

Date:

Jan. '06



**Description:**

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

This version is a standard aluminium actuator, but incorporating parts and materials suitable for high temperature operation.

**Specification:**

Max. pressure : 8 bar ~ 120psi  
 Torque : Standard  
 Media : Air or non corrosive gas  
 Temperature : -20°C to +120°C  
 : -4°F to +248°F

**Spare parts:**

Dedicated high temperature spare parts are available for maintenance or make a standard actuator suitable for high temperature operation.

Materials:			
Part	Material	Specifications	Remark
Housing	Aluminium Alloy	GAISI10Mg, DIN 1725/2	
Drive Shaft	Steel (90° rotation, std)	9SMn28K, DIN 1651	Zinc Plated
	Aluminium Alloy	AlZnMgCu1.5, DIN 1725/1	Hard anodized.
	Steel (180° rotation)	ETG100 or 42CrMo4V XM	Zinc Plated type > P750
	Stainless Steel	Sandvic 1802, SS2382 or X35CrM017	type > E950
Piston	Aluminium Alloy	GAISI 7Mg, DIN 1725/2	
Sealings	Viton FPM O-rings	-/-	
Grease	Castrol LMX	-/-	
Shaft bearings	Top :	Delrin. POM	
	Bottom :	Nylatron PA6.6 + MoS2	
Piston bearings	PTFE	25% Carbon filled	
Bodybearings	PTFE ("P" serie)	25% Carbon filled	
	Nylatron ("E" serie)	PA6.6 + MoS2	
Shaft thrust washer	CRMZX100	-/-	
End cap bolts	Stainless Steel ("E" serie)	AISI 304 A2	
	Alloy Steel ("P" serie)	8.8 DIN 912	Deltatone coating.
Springs	Carbon Spring Steel	Class C, DIN17223	Deltatone coating.

HIGH TEMPERATURE ACTUATOR SPECIFICATIONS

-20°C / +120°C  
-4°F / +248°F