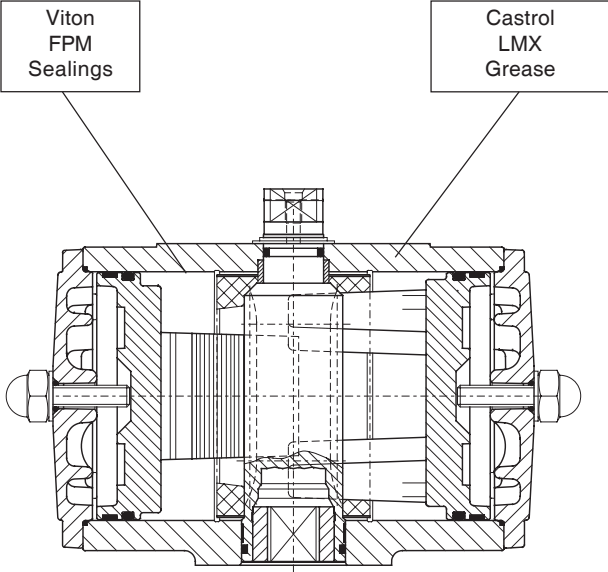


VALVE AUTOMATION SYSTEMS		<p>Description: A double piston, rack and pinion pneumatic actuator incorporating a three point piston support system, anti-blowout spindle and with high duty synthetic bearings at all bearing points.</p> <p>This version is a standard aluminium actuator, but incorporating parts and materials suitable for high temperature operation.</p> <p>Specification: Max. pressure : 120psi Torque : Standard Media : Air or non corrosive gas Temperature : -4°F to +248°F (-20°C to +120°C) Finish : Polyester non-TGIC based powder coating (see data sheet 4.204.01).</p> <p>Spare parts: Dedicated high temperature spare parts are available for maintenance or make a standard actuator suitable for high temperature operation.</p>	HIGH TEMPERATURE ACTUATOR SPECIFICATIONS -20°C / +120°C -4°F / +248°F																																																															
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Nr.: A 1.101.71 Date: Jan. '06	All rights reserved																																																																	
		<p>Materials:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Part</th> <th>Material</th> <th>Specifications</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>Housing</td> <td>Aluminium Alloy</td> <td>UNS A13600, ASTM B85</td> <td></td> </tr> <tr> <td rowspan="3">Drive Shaft</td> <td>Aluminium Alloy</td> <td>UNS 1 77075, ASTM 7075 T6</td> <td>Hard anodized.</td> </tr> <tr> <td>Steel (180° rotation)</td> <td>ETG100 or 42CrMo4V XM</td> <td>Zinc Plated type > P750</td> </tr> <tr> <td>Stainless Steel</td> <td>Sandvic 1802, SS2382 or X35CrM017</td> <td>type > E950</td> </tr> <tr> <td>Piston</td> <td>Aluminium Alloy</td> <td>UNS A03560, ASTM B26</td> <td></td> </tr> <tr> <td>Sealings</td> <td>Viton FPM O-rings</td> <td>-/-</td> <td></td> </tr> <tr> <td>Grease</td> <td>Castrol LMX</td> <td>-/-</td> <td></td> </tr> <tr> <td rowspan="2">Shaft bearings</td> <td>Top : Delrin.</td> <td>POM</td> <td></td> </tr> <tr> <td>Bottom : Nylatron</td> <td>PA6.6 + MoS2</td> <td></td> </tr> <tr> <td>Piston bearings</td> <td>PTFE</td> <td>25% Carbon filled</td> <td></td> </tr> <tr> <td rowspan="2">Body bearings</td> <td>PTFE ("P" serie)</td> <td>25% Carbon filled</td> <td></td> </tr> <tr> <td>Nylatron ("E" serie)</td> <td>PA6.6 + MoS2</td> <td></td> </tr> <tr> <td>Shaft thrust washer</td> <td>CRMZX100</td> <td>-/-</td> <td></td> </tr> <tr> <td rowspan="2">End cap bolts</td> <td>Stainless Steel ("E" serie)</td> <td>AISI 304 A2</td> <td></td> </tr> <tr> <td>Alloy Steel ("P" serie)</td> <td>8.8 DIN 912</td> <td>Deltatone coating.</td> </tr> <tr> <td>Springs</td> <td>Carbon Spring Steel</td> <td>UNS G10860, ASTM A228</td> <td>Deltatone coating.</td> </tr> </tbody> </table>	Part	Material	Specifications	Remark	Housing	Aluminium Alloy	UNS A13600, ASTM B85		Drive Shaft	Aluminium Alloy	UNS 1 77075, ASTM 7075 T6	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	UNS A03560, ASTM B26		Sealings	Viton FPM O-rings	-/-		Grease	Castrol LMX	-/-		Shaft bearings	Top : Delrin.	POM		Bottom : Nylatron	PA6.6 + MoS2		Piston bearings	PTFE	25% Carbon filled		Body bearings	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	UNS G10860, ASTM A228	Deltatone coating.	
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