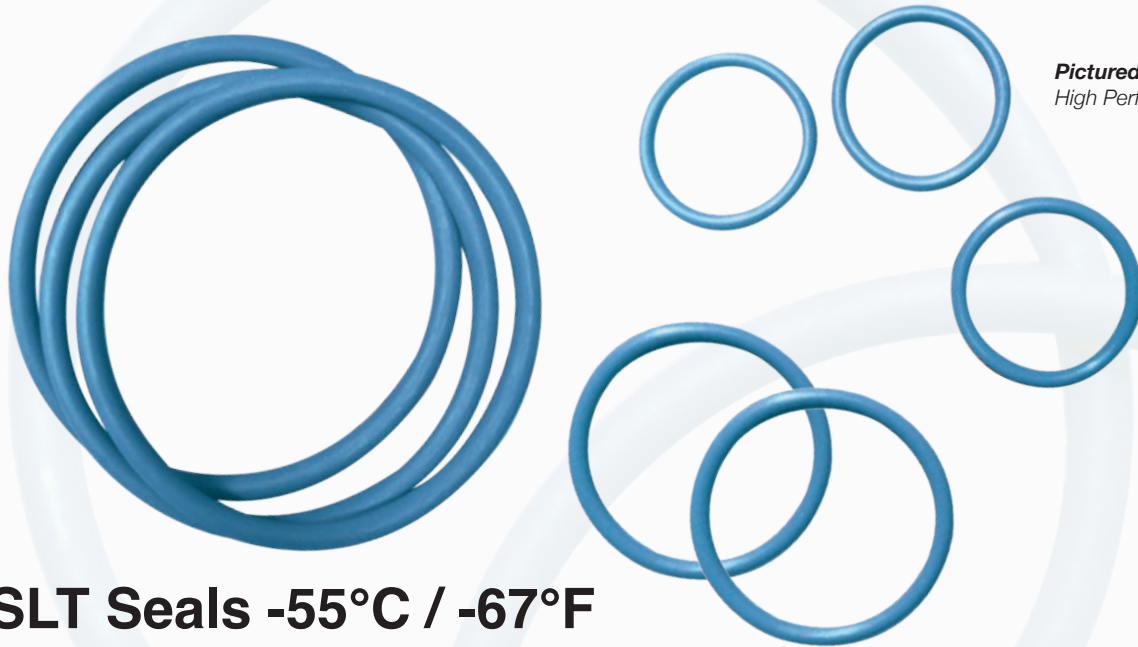




MAX-AIR TECHNOLOGY, INC.

NEW Super Low Temperature Pneumatic Actuators

Product Bulletin Jan, 2015



Pictured: Custom Molded High Performance SLT Seals

SLT Seals -55°C / -67°F

Introduction:

Max Air Technology has been working to find new solutions to old challenges in an effort to extend the range in which our products are able to operate reliably in very low temperatures. Max-Air Technology is therefore pleased to announce that our rotary pneumatic actuators are now able to reliably operate in very low temperature service conditions; reaching lows of -55°C (-67°F). This is an extension to our current actuator offering allowing for super low operating temperatures to be reached.

Enhanced SLT Seals:

In order to reach these super low temperature service conditions, Max-Air Technology retrofits UT and MT series pneumatic actuators with our proprietary super low temperature service package. This special service preparation includes replacement of all seals within the actuator and replacement of critical lubricants.

The seals in the super low temperature unit are made with a custom and proprietary compounded 70 Durometer Fluorosilicone elastomer designed for long service life and enhanced sealing properties in extreme low temperature conditions. They also exhibit very low compression set and excellent resistance to hydrocarbon lubricants.

Lubricant:

The proprietary grease compound used in this extended service actuator is a specially formulated lubricant utilizing high phenyl silicone and proprietary soap thickeners. It has excellent lubricating and sealing properties while maintaining extremely stable viscosity across very low temperature ranges.

With these enhancements, Max-Air improves the service range for MT and UT Series low temperature actuators down to -55°C/-67°F, offering the same reliable service at lower temperatures than ever before. Max-Air strives to continue pushing the limits and to provide solutions for our customer partners.

Ordering:

To order, use our new Super Low Temperature identifier, by adding "SLT" to the end of our part numbers. Please note that super low temperature service actuators are built upon demand due to the higher cost of the special super low temperature Fluorosilicone seals and lubricants. Please specify "super low temperature" when ordering. *Thank you!*

MT17.DA.F05-F07.CH14.**SLT**

Example ●



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