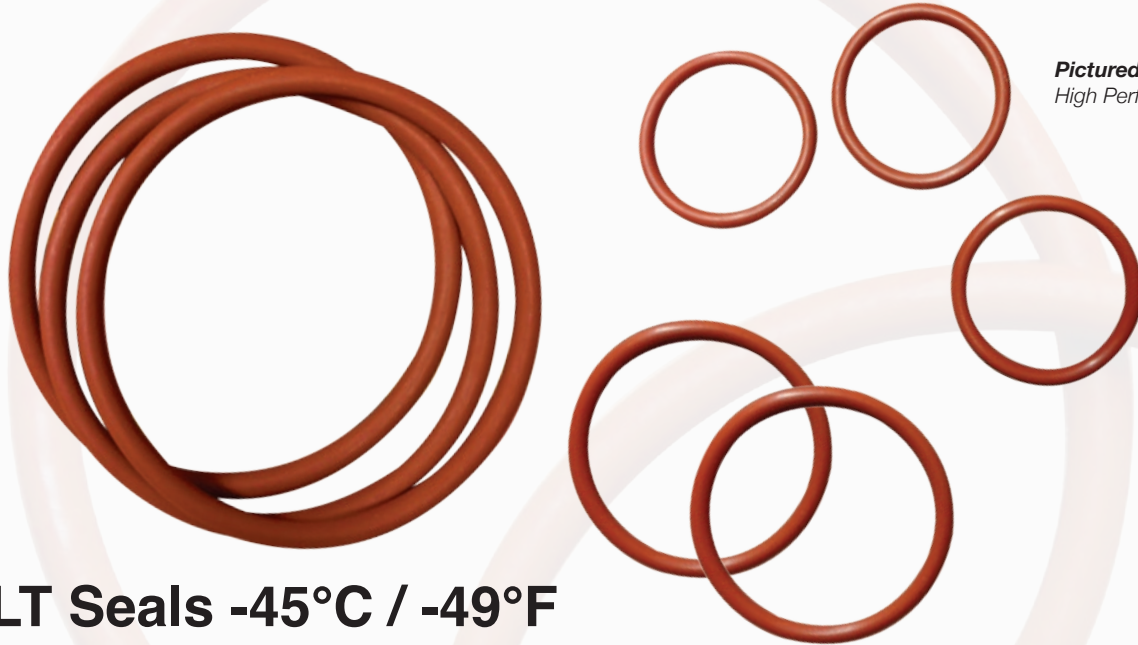




MAX-AIR TECHNOLOGY, INC.

Enhanced Low Temperature Pneumatic Actuators

Product Bulletin Apr, 2014



Pictured: Custom Molded High Performance LT Seals

LT Seals -45°C / -49°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 low temperature service conditions; reaching lows of -45°C (-49°F). This is an enhancement to our current actuator offering (previously -40°C/F) allowing for lower operating temperatures to be reached.

Enhanced LT Seals:

In order to reach these low temperature service conditions, Max-Air Technology retrofits UT and MT series pneumatic actuators with our proprietary 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 low temperature unit are made with custom compounded 70 Durometer Silicone elastomer designed for long service life and enhanced sealing properties in extreme low temperature conditions. They also exhibit low compression set and good resistance to hydrocarbon lubricants.

Lubricant:

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

With these enhancements, Max-Air improves the service range for MT and UT Series low temperature actuators down to -45°C/-49°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, continue to use our standard Low Temperature identifier, by adding "LT" to the end of our part numbers. Please note that not all low temperature service actuators will be immediately available in this enhanced configuration. Please specify "enhanced low temperature" during this transition period. **Thank you!**

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Example ● ————— ↑

Max-Air Technology
751 Hoff Road
O'Fallon, MO 63366

Phone: 888.842.9998
www.maxairtech.com
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