

NRT Series for Reactive Gas Service

Product Information

The NRT series of Krytox™ oils and greases have been specifically developed for reactive gas applications.

The NRT series is a part of the performance lubricants family of Krytox™ lubricant offerings. Krytox™ perfluoropolyether (PFPE) oils are based on poly(hexafluoropropylene oxide), the most thermally stable of all PFPE oils. Krytox™ PFPE oils are inert in oxygen and can not burn or support combustion. Krytox™ oils are differentiated by viscosity or vapor pressure performance; but, these factors do not affect the oxygen stability of the oil.

Krytox™ greases in the NRT series have been specially formulated for reactive gas service. With Krytox™ base oil, the NRT greases have special thickeners and additives for use with reactive gas or chemical applications.

Several of the NRT greases are thickened with a polytetrafluoroethylene (PTFE) thickener. Because Krytox™ oil and the PTFE thickener are fully fluorinated, they will not oxidize under extreme thermal conditions. The NRT series also includes greases containing inorganic thickeners, especially useful for high pressure oxygen applications.

All NRT oils and greases have been tested by West German Federal Institute for Materials Testing (BAM).

Chemours lubricants have been used in oxygen and reactive gas service for decades. Krytox™ lubricants have been independently tested by organizations, including BOC, Air Liquide, NASA, General Dynamics, and Praxair, and proven acceptable for oxygen and other reactive chemical compatibility.

Krytox™ Lubricant NRT BAM Ratings, <60 °C (<140 °F)

Product	BAM Rating (bar)
NRT 8908	270
NRT 8906A	80
NRT 8950	180
NRT 8990	80
NRT 8904	70
NRT 8906	70
NRT PLSS	60
NRT 8805	130

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