

HIGH PERFORMANCE TECHNOLOGY IN NON-REACTIVE LUBRICANTS

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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.®

 **BRAYCO**



DISCOVER CASTROL®’S RANGE OF BRAYCO® AND BRAYCOTE® NON-REACTIVE LUBRICANTS

The Castrol Brayco and Braycote Series of non-reactive lubricants are an advanced line of fluids and greases designed for critical applications in hostile environments. This series of cost effective lubricants provides extended lubricant life and good wear resistance under the most corrosive of conditions and a wide temperature range.

The Castrol Brayco 1720 Series of oils are based upon low molecular weight perfluoroether technology. These fluids are among the most chemically inert, high performance materials available today.

The Castrol Braycote greases are based upon perfluoroether base oils. They are blended with select polytetrafluoroethylene thickeners that provide the characteristic chemically inert properties desired from this class of lubricant.

The Castrol Brayco and Braycote Series of non-reactive lubricants have been carefully formulated to meet the needs of a broad range of commercial and industrial applications, including:

- Centrifugal pumps
 - Roller, ball and linear bearing assemblies
 - Valves, connectors, stopcocks
- Gear boxes
 - Instruments and gauges
 - Gaskets

TECHNICAL BENEFITS

- Chemically inert
 - Excellent solvent resistance
 - Oxidative and thermally stable
- Non-flammable
 - Good lubricating properties
 - Compatible with most commonly used metals, plastics and elastomers

Chemical Inertness

The Castrol Brayco and Braycote non-reactive lubricants exhibit excellent chemical inertness to virtually all highly reactive oxidizers and fuels, strong acids and alkalies and reactive gases. In general, the Castrol Brayco and Braycote series of perfluoroether lubricants will not react with and show virtually no solubility in the following chemicals, even at elevated temperatures: oxygen (LOX/GOX); chlorine-based oxidants; organic and inorganic oxidizing agents; concentrated hydrogen peroxide; nitric acid; and kerosene.

Enhanced Corrosion Protection

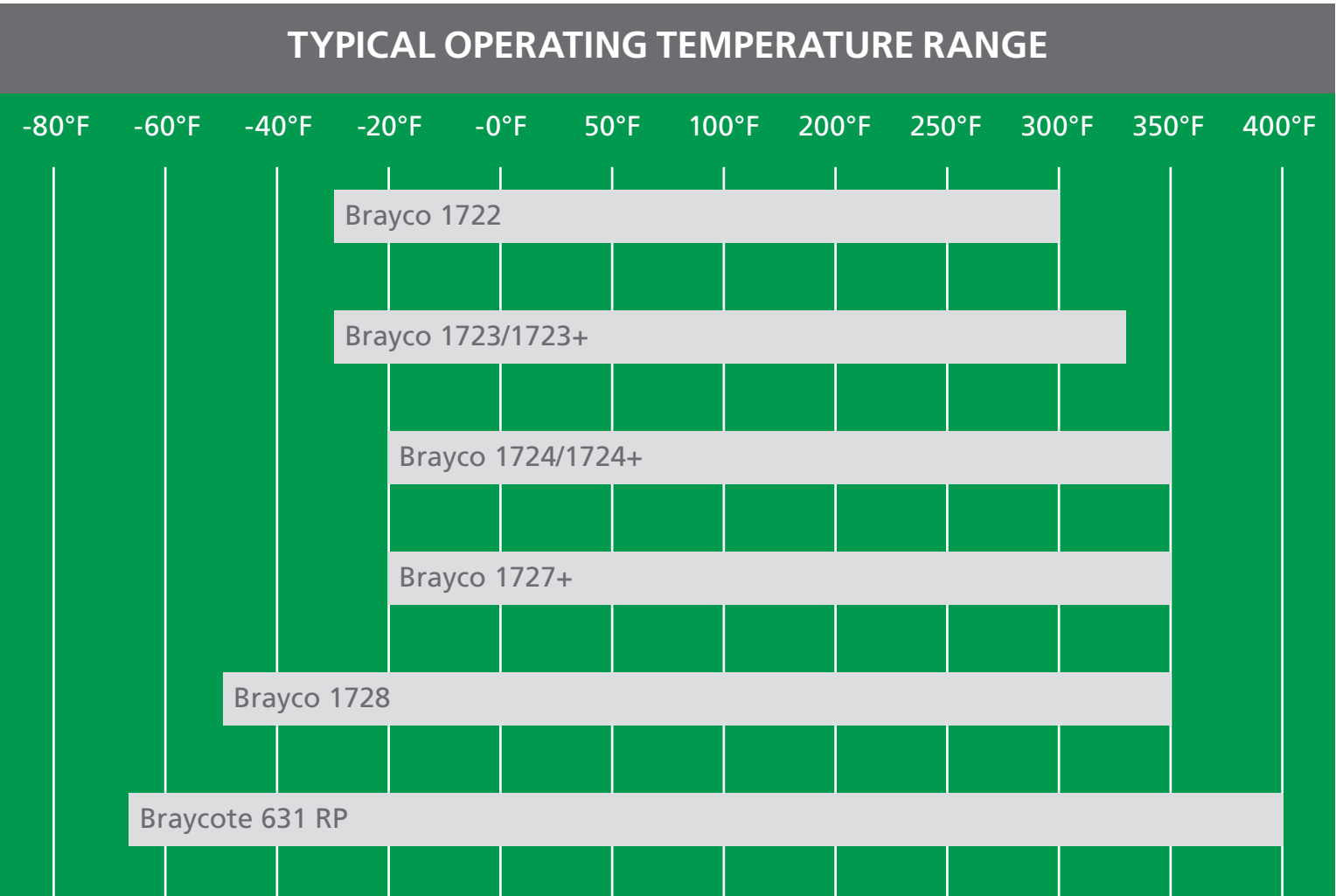
Some applications require enhanced corrosion protection in non-reactive lubricants. Castrol Braycote 631 RP is formulated with special additives to protect against corrosion.

Solubility

Only highly fluorinated solvent dissolves perfluoropolyether based lubricants. Castrol Brayco IC X-100 can be used to remove these lubricants. Certain chlorinated solvents have a mild emulsification tendency while other non-fluorinated solvents are usually completely immiscible.

Compatibility with Construction Materials

The Castrol Brayco and Braycote Series lubricants are compatible with most metals, plastics and elastomers, even at elevated temperatures. Alloys containing aluminum, titanium or magnesium in direct contact with perfluoroether lubricants, under dynamic shear conditions, should be adequately tested prior to use.



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