



INFINX™

*Infinite uses...
Infinite possibilities.*

FLUORINATED LUBRICANTS DESIGNED FOR YOUR APPLICATION

Halocarbon developed the InfinX MRO KF Series product line for severe applications that require unsurpassed stability, material compatibility, and chemical inertness. It includes the KF 100 Series of PFPE oils and the KF 200 Series of PFPE Greases.

InfinX MRO KF 100 Series Oils are formulated using highly distilled PFPE (perfluoropolyether) K-Fluid chemistry allowing them to be inert, non-reactive, and nonflammable oils that provide excellent natural lubrication and wear resistance over wide operating temperatures.

InfinX MRO KF 200 Series Greases are all formulated using the KF 100 Series oils and are thickened using superior, non-irradiated micro powders of PTFE (polytetrafluoroethylene). This thickener has a high melting point and small particle size allowing for excellent bearing performance.

These products are typically used in aerospace, automotive, chemical manufacturing, semiconductor, defense, and other general industrial markets.

All InfinX MRO KF Series oils and greases are intrinsically nonflammable and nonreactive. They are safe to handle, broadly compatible with most materials, and chemically inert to strong reactive chemicals like Chlorine, Fluorine, and Oxygen in both liquid and gaseous forms.

MRO KF100 Series Oils

These PFPE oils are designed for use in hazardous operations that require broad material compatibility, extreme thermal resistance, and life-long lubrication. They offer excellent wear resistance over wide operating temperatures, and are inert, non-flammable, and nonreactive.

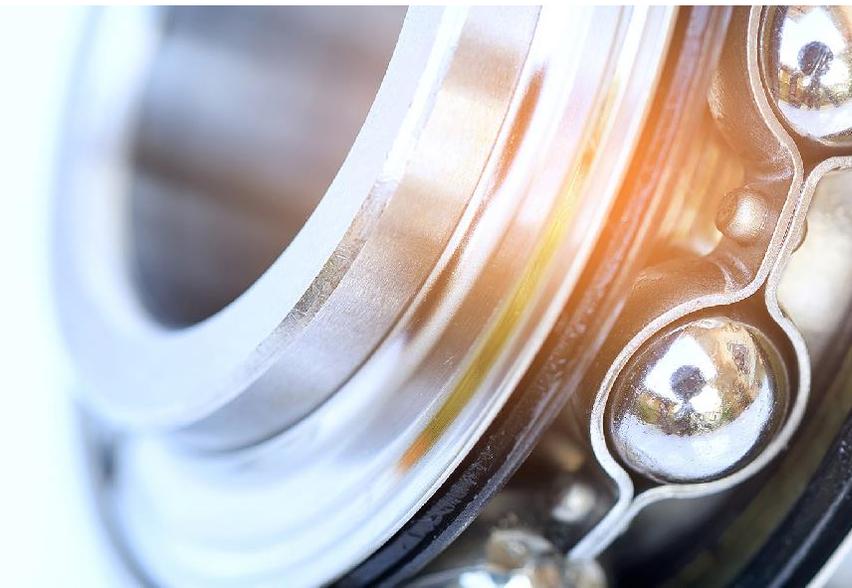
Typical applications include bearings, compressors, gearboxes, valves, O-rings, process instrumentation, automotive seals for squeaks and rattles, and more.

MRO KF200 Series Greases

These PFPE greases, thickened using high-grade PTFE, are designed for use in extreme operations. They offer excellent lubrication, broad material compatibility, and extreme thermal stability over the lifetime of an application. They are non-flammable, nonreactive, and chemically inert greases.

Typical applications include bearings, valves, gears, O-rings, instrumentation, automotive assembly, and more.

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MORE DETAILS »



Typical Properties: InfinX MRO KF100 Series Oils

InfinX PFPE Oil	Kinematic Viscosity		Estimated Service Temperature Range (°C)	Oil Volatility, 22hr. ¹		Density @ 20°C (g/cm ³)	Appearance
	@ 40°C (cSt)	@ 100°C (cSt)		@ 121°C (%)	@ 204°C (%)		
MRO KF102	16	3	-50 to 130	17	-	1.88	Clear Water White
MRO KF105	160	18	-30 to 204	0	1	1.91	
MRO KF106	245	25	-25 to 260	0	0.8	1.91	
MRO KF107	443	42	-20 to 288	0	0.4	1.91	

¹. ASTM D2595

Typical Properties: InfinX MRO KF200 Series Greases

InfinX PFPE Greases	Thickener	Kinematic Viscosity		NLGI Grade	Estimated Service Temperature Range (°C)	Oil Volatility, 22hr. ¹		Density @ 20°C (g/cm ³)	Appearance
		@ 40°C (cSt)	@ 100°C (cSt)			@ 121°C (%)	@ 204°C (%)		
MRO KF202*	PTFE	16	3	2	-60 to 130	17	-	1.97	Creamy White
MRO KF205		160	18	2	-40 to 204	0	1	1.99	
MRO KF206		245	25	2	-30 to 260	0	0.8	1.99	
MRO KF207		443	42	2	-25 to 288	0	0.4	1.99	

¹. ASTM D2595

* InfinX MRO KF202 is NSF H-1 Registered

The information provided herein is based on technical tests conducted by Halocarbon and is believed to be correct. It is intended for use by persons trained in the proper use of these and related materials. Always refer to the appropriate Safety Data Sheets prior to using any product. Please contact our customer service department to obtain Safety Data Sheets. Since actual use conditions may differ from those used in the generation of the data provided herein, Halocarbon cannot guarantee the accuracy of this information or be held responsible for loss or damage that results from the use of this information. Nothing in this document is intended or should be construed as a recommendation to infringe on any existing patents.