









Premium Vacuum Pump Fluids

Optimize the performance of your vacuum pump with our wide selection of custom vacuum pump oils. With a low vapor pressure and minimal additives, our oils reduce the sludging that occurs with lower quality oils. Molecular distillation of premium base stocks produce fluids that are world-renown for their quality, performance and reliability.

GRADE	SPECIFICATIONS	APPLICATIONS	SIZE	PART #
 19 GRADE Designed for direct drive rotary vane pumps, LVO19 improves pumping cycles, lowers maintenance costs, cools pumps, and extends fluid life. Low vapor pressure reduces system backstreaming and thermal stability provides resistance to oxidation and sludge formation.	Vapor Pressure	< 1 x 10 ⁻⁵ Torr	• Direct drive rotary vane pumps	1 Qt. LVO191QT
	Viscosity @ 100°F	47.7 cSt / 220.8 SUS	• Optical and decorative coatings	1 Gal. LVO191G
	Viscosity @ 200°F	6.4 cSt / 47.2 SUS	• Leak detection	5 Gal. LVO195G
	Flash Point (COC)	232°C / 450°F	• Freeze drying	55 Gal. LVO1955G
	Pour Point	-15.3°C / +4.5°F	• Mass spectrometry	
	Specific Gravity	0.869	• Sputtering	
 195 GRADE Higher viscosity gives superior performance in belt drive rotary vane and piston pumps. The highly versatile LVO195 offers excellent vapor pressure, thermal stability, and superior resistance to oxidation and sludge formation in both rotary vane and piston pumps.	Vapor Pressure	< 1 x 10 ⁻⁵ Torr	• Mech. vac. pumps under 300 cfm	1 Qt. LVO195X1QT
	Viscosity @ 100°F	83 cSt / 386 SUS	• Belt drive rotary vane pumps	1 Gal. LVO195X1G
	Viscosity @ 200°F	9.2 cSt / 56 SUS	• Optical and decorative coatings	5 Gal. LVO195X5G
	Flash Point (COC)	235°C / 455°F	• Leak detection	55 Gal. LVO195X55G
	Pour Point	-14°C / +7°F	• Freeze drying	
	Specific Gravity	0.89	• Sputtering, heat treating	
 20 GRADE For rotary vane pumps and high vacuum blowers, LVO20 offers excellent vapor pressure, low volatility, extended fluid life, reduced backstreaming, and high corrosion resistance. LVO20 eliminates cross contamination when used in mechanical and diffusion pumps.	Vapor Pressure	< 1 x 10 ⁻⁶ Torr	• Diffusion pumps	1 Qt. LVO201QT
	Viscosity @ 100°F	53.9 cSt / 249 SUS	• Direct drive rotary vane pumps	1 Gal. LVO201G
	Viscosity @ 200°F	7.0 cSt / 49 SUS	• Optical and decorative coatings	5 Gal. LVO205G
	Flash Point (COC)	232°C / 450°F	• Leak detection	55 Gal. LVO2055G
	Pour Point	-15.5°C / +4°F	• Freeze drying	
	Specific Gravity	0.869	• Mass spectrometry	
 130 GRADE Ideal for operating at elevated temperatures the LVO130 pump oil is engineered for use in rotary piston pumps from 150 cfm to 300 cfm with operating temperatures up to 160 °F.	Vapor Pressure	< 1 x 10 ⁻³ Torr	• Large mechanical vacuum pumps and blowers	5 Gal. LVO1305G
	Viscosity @ 100°F	95 cSt	• Rotary piston pumps from 150 cfm to 300 cfm with operating temperatures up to 160 °F	55 Gal. LVO13055G
	Viscosity @ 200°F	10.1 cSt		
	Flash Point (COC)	518°C / 270°F		
	Pour Point	-12°C / +10.4°F		
	Specific Gravity	0.88		
 ELITE Z GRADE Double distilled to exhibit the highest performance for mechanical pumps, EZ Grade is very resistant to thermal and chemical attack and provides longer oil life and superior protection to the vacuum pump.	Vapor Pressure	< 1 x 10 ⁻⁷ Torr	• Mechanical pumps operating in severe applications, including higher temperatures and those subject to water or chemical attack	1 Qt. LVOEZ1QT
	Viscosity @ 100°F	64 cSt / 298 SUS	• Optical and decorative coatings	1 Gal. LVOEZ1G
	Viscosity @ 200°F	10 cSt / 59 SUS	• Leak detection	5 Gal. LVOEZ5G
	Flash Point (COC)	268°C / 515°F	• Sputtering, Freeze drying	55 Gal. LVOEZ55G
	Pour Point	-54°C / +65°F		
	Specific Gravity	0.84		
 FF GRADE Designed to assist in the internal cleaning of particles and sludge build-up in mechanical vacuum pumps. It's low viscosity helps free contamination from internal parts, allowing it to be flushed from the pump through the drain valve.	Vapor Pressure	< 1 x 10 ⁻⁴ Torr	• Flushing fluid for all types of mechanical pumps using hydrocarbon fluids.	1 Gal. LVOFF1G
	Viscosity @ 100°F	25.3 cSt / 120.3 SUS		5 Gal. LVOFF5G
	Viscosity @ 200°F	4.4 cSt / 40 SUS		55 Gal. LVOFF55G
	Flash Point (COC)	180°C / 356°F		
	Pour Point	-12°C / +11°F		
	Specific Gravity	0.86		

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

www.vacoil.com

139 West 2260 South Salt Lake City, UT 84115 | Phone: 801.486.1015 Fax: 801.486.1032