

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 stock fluids that are world-renown for their quality, performance and reliability.

GRADE	SPECIFICATIONS	APPLICATIONS	SIZE	PART#
 <p>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.</p>	Vapor Pressure < 1 x 10 ⁻⁵ Torr	<ul style="list-style-type: none"> • Mech. Vac. Pumps under 300 cfm • Belt drive rotary vane pumps • Optical and decorative coatings • Leak detection • Freeze drying • Sputtering, Heat treating • Vacuum furnaces 	3 Liter	LVO195L03
	Viscosity @ 100°F 83 cSt / 386 SUS		5 Liter	LVO195L05
	Viscosity @ 200°F 9.2 cSt / 56 SUS		20 Liter	LVO195L20
	Flash Point (COC) 235°C / 455°F			
	Pour Point -14°C / +7°F			
Specific Gravity 0.89				
 <p>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.</p>	Vapor Pressure < 1 x 10 ⁻⁶ Torr	<ul style="list-style-type: none"> • Diffusion pumps • Direct drive rotary vane pumps • Optical and decorative coatings • Leak detection • Freeze drying • Mass spectrometry • Sputtering 	3 Liter	LVO20L03
	Viscosity @ 100°F 53.9 cSt / 249 SUS		5 Liter	LVO20L05
	Viscosity @ 200°F 7.0 cSt / 49 SUS		20 Liter	LVO20L20
	Flash Point (COC) 232°C / 450°F			
	Pour Point -15°C / +4°F			
Specific Gravity 0.869				
 <p>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.</p>	Vapor Pressure < 1 x 10 ⁻³ Torr	<ul style="list-style-type: none"> • Large mechanical vacuum pumps and blowers • Rotary piston pumps from 150 cfm to 300 cfm with operating temperatures up to 160°F (70°C) 	3 Liter	LVO130L03
	Viscosity @ 100°F 95 cSt		5 liter	LVO130L05
	Viscosity @ 200°F 10.1 cSt		20 liter	LVO130L20
	Flash Point (COC) 518°C / 270°F			
	Pour Point -12°C / +10.4°F			
Specific Gravity 0.88				
 <p>ELITE Z GRADE Double distilled to exhibit the highest performance for mechanical pumps, EZ Grade is very resistant to thermal and chemical attack provides longer oil life and superior protection to the vacuum pump.</p>	Vapor Pressure < 1 x 10 ⁻⁷ Torr	<ul style="list-style-type: none"> • Mechanical pumps operating in severe applications, including higher temperatures and those subject to water or chemical attack • Optical and decorative coatings • Leak detector • Sputtering, Freeze drying 	3 Liter	LVOEZL03
	Viscosity @ 100°F 64 cSt / 298 SUS		5 Liter	LVOEZL05
	Viscosity @ 200°F 10 cSt / 59 SUS		20 Liter	LVOEZL20
	Flash Point (COC) 268°C / 515°F			
	Pour Point -54°C / +65°F			
Specific Gravity 0.84				
 <p>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.</p>	Vapor Pressure < 1 X10 ⁻⁴ Torr	<ul style="list-style-type: none"> • Flushing fluid for all types of mechanical pumps using hydrocarbon fluids. 	3 Liter	LVOFFL03
	Viscosity @ 100°F 25.3 cSt / 120.3 SUS		5 Liter	LVOFFL05
	Viscosity @ 200°F 4.4 cSt / 40 SUS		20 Liter	LVOFFL20
	Flash Point (COC) 180°C / 356°F			
	Pour Point -12°C / +11°F			
Specific Gravity 0.86				

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