

 **Leybold**

leybonol[®]

Best choice for your
vacuum pump



leybonol

special oil for vacuum pumps



Excellent vacuum performance

LEYBONOL has been specially formulated to achieve the best performance for your pump. Our certified oils keep your production running.



Extended pump lifetime

Through its use of vacuum-compatible additives, LEYBONOL protects your pump and extends its life expectancy.



Premium lubrication

LEYBONOL premium quality ensures long oil change intervals and reduces overall power consumption, wear and maintenance costs.



Extensive quality controls

LEYBONOL oils are subjected to frequent ongoing and rigorous testing to ensure that each batch is consistent and provides the same outstanding vacuum performance.



Highest industry standards

LEYBONOL ensures regulatory compliance with REACH, DSL and NDSL, GHS and many others.



Mineral Oil

	Type of oil:	Application examples:	Product examples:
LVO 100	Mineral oil, free of additives Low vapor pressure, minimal foaming, very good water separation	Standard oil for low ultimate pressures and for pumping air, chemically inert gases and water vapor	TRIVAC, E+DK, RUVAC
LVO 120 LVO 130	Mineral oil with additives Extension of oil change intervals, minimal foaming, very good water separation	Standard oil for SOGEVAC and for pumping air, chemically inert gases and water vapor	SOGEVAC
LVO 140 LVO 150	Mineral oil with additives Resistant to oxidation and highly resistant to contamination, H1 registration by NSF	Applications in the food industry	SOGEVAC
LVO 170	Mineral oil with detergent additives High detergency, high thermal stability, low incidence of foaming	Heat treatment, low pressure carburizing processes and other processes creating tar or soot	SOGEVAC

Ester Oil

	Type of oil:	Application examples:	Product examples:
LVO 210	Synthetic oil (ester oil with additives) Very high thermal, oxidative and chemical stability, good detergency and dispersion properties, excellent wear protection	High temperature applications and pumping of air, chemically inert gases, (dry) carbon dioxide, carbon monoxide, organic solvent vapors, resin vapors, etc.	TRIVAC B, SP-Line, E + DK, RUVAC, DRYVAC, SOGEVAC
LVO 220	Synthetic oil (ester oil with additives) Very high thermal, oxidative and chemical stability, good detergency and dispersion properties, excellent wear protection	Operation with gas lasers	RUVAC (WSLF)
LVO 240	Synthetic oil (special ester oil) Excellent solubility for polymers	Pumping of process media with a tendency to polymerize/styrene and butadiene	TRIVAC B
LVO 250 LVO 260	Synthetic oil (ester oil with additives) LVO 250 has a high thermal and oxidative stability. LVO 260 has an even higher thermal and oxidative stability.	Bearing lubricant for turbo-radial blowers	TURBOSTREAM

PAO Oil

	Type of oil:	Application examples:	Product examples:
LVO 300	Synthetic oil (PAO with additives) High thermal and oxidative stability, H1 registration by NSF	Recommended for applications in the food industry, backing pumps for mass spectrometers and cleaning systems	TRIVAC (only D25B), SOGEVAC
LVO 310	Synthetic oil (PAO with additives) High thermal and oxidative stability	Cold starting at low temperatures and pumping of air, chemically inert gases, water vapor and small quantities of R717 (ammonia) refrigerant	TRIVAC (up to D16B)
LVO 320	Synthetic oil (PAO with additives) High thermal and oxidative stability	Pumping of air, chemically inert gases and water vapor	VACUBE
LVO 330	Synthetic oil (PAO with additives) Excellent water protection, e.g. bearings, high thermal and oxidative stability	High temperature applications and pumping of air, chemically inert gases and water vapor	CLAWVAC, RUVAC 40.000

PFPE Oil

	Type of oil:	Application examples:	Product examples:
LVO 400 LVO 420	Synthetic oil (PFPE, free of additives) Chemically inert, highest thermal stability	Pumping of strong oxidants, such as oxygen, ozone or nitrous oxides as well as reactive substances like halogens, hydrogen halides and acids	LVO 400: TRIVAC BCS, E + DK, RUVAC, SOGEVAC, LEYVAC LVO 420: SOGEVAC BI
LVO 410	Synthetic oil (PFPE, free of additives) Chemically inert, highest thermal stability, H1 registration by NSF	Pumping of strong oxidants, such as oxygen, ozone or nitrous oxides as well as reactive substances like halogens, hydrogen halides and acids	RUVAC, E + DK, DRYVAC, ECODRY Plus.

Diffusion Pump Oil

	Type of oil:	Application examples:	Product examples:
LVO 500	Hydrocarbon oil, free of additives Good thermal stability	Standard diffusion pump oil for applications in a high vacuum	DIP, LEYBOJET 630
LVO 521	Special silicone oil High oil purity (DC 704, DC 705), extended oil life, low vapor pressure, high viscosity, high temperature stability, highly resistant to oxidation and decomposition	Premium diffusion pump oil for high vacuum and ultra-high vacuum applications	DIP, LEYBOJET 630 Replacement for LVO 520, LVO 530, LVO 510
LVO 540	Special hydrocarbon oil Extended oil life, enhanced ultimate pressure, improved temperature stability, highly resistant to oxidation and decomposition	Booster pump oil for industrial rough and high vacuum applications	Oil Booster OB

Special Lubricants

	Type of oil:	Application examples:	Product examples:
LVO 700	Synthetic cyclic hydrocarbon Very high thermal stability and highly resistant to oxidation and decomposition, long life, H1 registration by NSF	Chemically inert with gases of an acidic nature - for long service intervals.	SOGEVAC Replacement for LVO 200, LVO 110
DOT 4	Brake fluid High-quality brake fluid based on glycol ether, corresponds to FMVSS DOT 4. Part number E20010037	For filling of brake fluid circuits in the automotive industry only.	TRIVAC, SOGEVAC

leybonol®

Self-explanatory part numbers

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Unit size in liter
01 = 1 liter
05 = 5 liter
20 = 20 liter
99 = drum (200-208 liter)

Oil class / Type of oil
■ **1XX** = Mineral Oil
■ **2XX** = Ester Oil
■ **3XX** = PAO Oil
■ **4XX** = PFPE Oil
■ **5XX** = Diffusion Pump Oil
■ **7XX** = Special Lubricants





 **Leybold**

Pioneering products. Passionately applied.

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