



Leybold

Pioneering products. Passionately applied.

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Leybold

LEYBONOL®

SPECIAL OIL FOR VACUUM PUMPS

Right choice for your vacuum pump



LEYBONOL®

SPECIAL OIL FOR VACUUM PUMPS

Excellent vacuum performance

LEYBONOL has been specially formulated to achieve a high 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.

High industry standards

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

www.leybonol.com

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, NEO, TRIVAC
LVO 140 LVO 150 NSF FOOD GRADE	**Mineral oil with additives** Resistant to oxidation and highly resistant to contamination, H1 registration by NSF	Food industry	SOGEVAC, NEO
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 ATEX Ex	**Synthetic oil (ester oil with additives)** High Thermal oxidation and chemical stability, good detergency and dispersion properties, excellent wear protection	High temperature applications and additionally applied for Special ATEX Cat II conditions and steel degassing systems	DRYVAC, RUVAC, SP-Line
LVO 211 NEW FORMULA	**Synthetic oil w/o hazards (ester oil with additives)** High Thermal oxidation 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, E+EK, SOGEVAC
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 NSF FOOD GRADE	**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, 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, high 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, NEO
LVO 410 NSF FOOD GRADE	**Synthetic oil (PFPE, free of additives)** Chemically inert, high 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 NEW FORMULA	**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 NEW FORMULA	**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 LVO 710 NSF FOOD GRADE	**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, NEO LVO 700 replaces LVO 200 and 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

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Self-explanatory part numbers

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Unit size in liter
- **01** = 1 liter
- **05** = 5 liter
- **20** = 20 liter
- **98** or **99** = drum (200-209 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





