Leybold

LEYBONOL®

SPECIAL OIL FOR VACUUM PUMPS

The right choice for your vacuum pump

LEYBONOL®

SPECIAL OIL FOR VACUUM PUMPS

Reliability

LEYBONOL oil supports optimal performance of your vacuum pumps, improving system efficiency while reducing maintenance costs, downtime, and the risk of breakdowns.

Compatibility

Designed to fit perfectly with existing pumps, LEYBONOL oil is compatible with internal metal parts, reducing malfunctions and extending pump lifetime.

Quality

Made from high-quality ingredients and rigorously tested, LEYBONOL oil meets original pump specifications and deliver long service life with a competitive lifecycle cost.

Safety

LEYBONOL oil helps reduce the risk of accidents or failures caused by inferior or counterfeit parts, including in critical ATEX applications.

leybonol.com

Oil color scale:
Mineral oil check made easy and accurate.

1.
2.

Good oil quality.

3.

Continue to monitor.

4.

Oil should be changed and replaced.

5.
6.

Pump requires a clean and overhaul, or full service.

Mineral Oil

	Type of oil	Application examples	Product examples
LVO 120 **LVO 130**	**Mineral oil with additives** for good oxidation resistance, low foaming, and effective water separation.	Standard oil for SOGEVAC pumps, suitable for pumping air, chemically inert gases, and water vapor.	LVO120: SOGEVAC, NEO D LVO130: SOGEVAC, NEO D, TRIVAC, RUVAC, E+DK (LVO100 HAS BEEN REPLACED BY LVO130.)
LVO 130HD	**Mineral-based oil with enhanced additives** for extended oil change intervals and improved thermal stability.	Designed for reliable pumping of air, chemically inert gases, and water vapor, even under demanding high-temperature conditions.	SOGEVAC 220B-750B(F)
LVO 140 **LVO 150**	**Mineral-based oil (NSF H1 registered)** with high resistance to oxidation and contamination.	Suitable for applications in the food industry.	SOGEVAC, NEO D

Ester Oil

	Type of oil	Application examples	Product examples
LVO 210	**Ester-based synthetic oil** offering excellent thermal, oxidative, and chemical stability with strong wear protection.	Designed for high-temperature applications, including use under special ATEX Cat. II conditions and in steel degassing systems.	SOGEVAC, TRIVAC, RUVAC, DRYVAC, SCREWLINE
LVO 211	**Ester-based synthetic oil (free of hazardous substances)** with high thermal stability and detergency.	Suitable for high-temperature applications and pumping of air, chemically inert gases, organic solvent vapors, resin vapors, and similar media.	SOGEVAC, RUVAC
LVO 240	**Special ester-based synthetic oil** with excellent solubility for polymers.	Designed for pumping process media with a tendency to polymerize, such as styrene and butadiene.	TRIVAC B
LVO 250 **LVO 260**	**Synthetic ester oil with additives** offering high thermal and oxidative stability.	Bearing lubricant for turbo-radial blowers requiring high thermal and oxidative stability.	TURBOSTREAM

PAO Oil

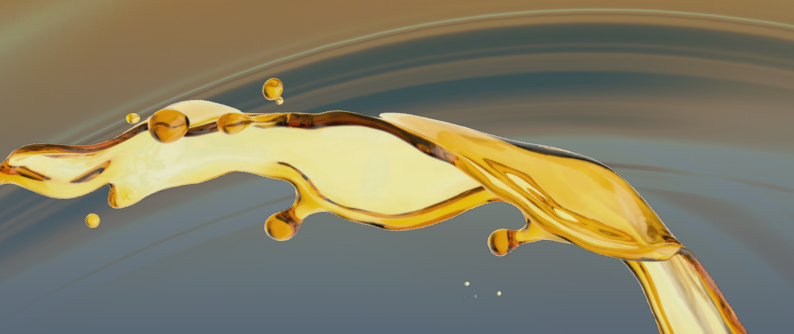
	Type of oil	Application examples	Product examples
LVO 300	**PAO-based synthetic oil (NSF H1 registered)** with high thermal stability, good low-temp performance.	Recommended for food industry applications, backing pumps for mass spectrometers, and cleaning systems using dry carbon dioxide or carbon monoxide.	SOGEVAC, TRIVAC
LVO 310	**PAO-based synthetic oil** with high thermal and oxidative stability.	Suitable for cold starts at low temperatures and pumping of air, chemically inert gases, water vapor, dry carbon dioxide, carbon monoxide, and small quantities of ammonia (R717).	TRIVAC (up to D16B)
LVO 320	**PAO-based synthetic oil** with high thermal and oxidative stability.	Suitable for pumping air, chemically inert gases, and water vapor.	VACUBE
LVO 330	**PAO-based synthetic oil** with excellent water protection, high thermal and oxidative stability.	Designed for high-temperature applications and pumping of air, chemically inert gases, and water vapor.	RUVAC, CLAWVAC

PFPE Oil

	Type of oil	Application examples	Product examples
LVO 400 **LVO 420**	**PFPE (free of additives)** Chemically inert, high thermal stability.	Suitable for pumping strong oxidants such as oxygen, ozone, and nitrous oxides, as well as reactive substances including halogens, hydrogen halides, and acids.	LVO400: SOGEVAC, NEO D, TRIVAC, RUVAC, LEYVAC, E+DK LVO420: SOGEVAC BI, NEO D
LVO 410	**PFPE (free of additives, NSF H1 registered)** Chemically inert, high thermal stability.	Suitable for pumping strong oxidants and reactive substances; NSF H1 registered for food-related applications.	DRYVAC, RUVAC, ECODRY Plus, E+DK

Diffusion Pump Oil

	Type of oil	Application examples	Product examples
LVO 501	**Hydrocarbon oil** Free of additives Good thermal stability.	Standard diffusion pump oil for high-vacuum applications.	DIFFVAC DP DIP, DIJ LEYBOJET 630 (REPLACEMENT OF LVO 500)
LVO 521	**Special silicone oil** with high-purity silicone oil with low vapor pressure, high viscosity, and excellent thermal stability.	Premium diffusion pump oil for high-vacuum and ultra-high-vacuum applications.	DIFFVAC DP DIP, DIJ, LEYBOJET 630 (REPLACEMENT OF LVO 520, LVO 530, LVO 510).
LVO 540 **LVO 540US**	**Special hydrocarbon oil** with extended service life and enhanced temperature stability.	Booster pump oil for industrial rough and high-vacuum applications requiring extended oil life.	DIFFVAC OB, OB



Special Lubricants

	Type of oil	Application examples	Product examples
LVO 702	**Synthetic cyclic hydrocarbon (NSF H1 registered)** with very high thermal stability and long service life.	Suitable for pumping chemically inert gases of acidic nature, enabling long service intervals.	SOGEVAC, NEO (REPLACEMENT OF LVO 700)
DOT4	**Brake fluid** Glycol ether-based brake fluid compliant with FMVSS DOT 4 Order PN: E20010037	High-quality brake fluid for filling brake fluid circuits in the automotive industry only (FMVSS DOT 4).	SOGEVAC, TRIVAC

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SPECIAL OIL FOR VACUUM PUMPS

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

Oil Finder

Find the right oil for your vacuum pump.

Online shop

Shop everything in one place.

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Leybold

Pioneering products. Passionately applied.