Leybold



Leybonospecial 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 Iubrication

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

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|--------------------|--|---|---------------------|
| | 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

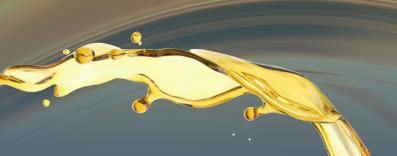
| | Type of oil: | Application examples: | Product examples: |
|--|---|---|--------------------------------|
| NSF OSRADE SORAD | Synthetic oil (PAO with additives) High thermal and oxidative stability, H1 registration by NSF | Recommended for applications in the food industry, backing pumps for mass spectrometers and cleaning systems | TRIVAC (only D25B), SOGEVAC |
| LVO 310 | Synthetic oil (PAO with additives) High thermal and oxidative stability | Cold starting at low tem- peratures 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. bear- ings, 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 |
| NSF OGRADE SOROS | 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, DRY- VAC, 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 |
| 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 |
| 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: |
|-------|--|--|--|
| NSF | Synthetic cyclic hydrocarbon Very high thermal stability and highly re- sistant 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 break fluid circuits in the auto- motive industry only. | TRIVAC, SOGEVAC |







Pioneering products. Passionately applied.