

leybonol®

special oil for vacuum pumps



LVO 100

Mineral oil, free of additives
Low vapor pressure, minimal foaming, very good water separation.

Examples of use

Standard oil for low ultimate pressures.
For pumping air, chemically inert gases and water vapor.

Product examples

TRIVAC, E+DK, RUVAC

Mixable with / replacement for

N62

LVO 110

Hydrocracked mineral oil with additives
Very long oil change intervals, high thermal stability, minimal foaming.

Examples of use

Pumps for mass spectrometer.
For pumping air or chemically inert gases.

Product examples

SOGEVAC ≤ SV 65 A & ≤ SV 65 BI (FC)

Mixable with / replacement for

GD 32

LVO 120

Mineral oil with additives
Extension of oil change intervals, minimal foaming, very good water separation.

Examples of use

Standard oil for small SOGEVAC.
For pumping air, chemically inert gases and water vapor.

Product examples

SOGEVAC
Line A ≤ SV 65,
Line B ≤ SV 25 B, ≤ SV 65 BI (FC)

Mixable with / replacement for

GS 32

LVO 130

Mineral oil with additives
Extension of oil change intervals, minimal foaming, very good water separation.

Examples of use

Standard oil for large SOGEVAC.
For pumping air, chemically inert gases and water vapor.

Product examples

SOGEVAC
Line A ≥ SV 100,
Line B ≥ SV 40 B

Mixable with / replacement for

GS 77

LVO 210

Synthetic oil (Ester oil with additives)
Very high thermal, oxidative and chemical stability, good detergent and dispersion properties, excellent wear protection.

Examples of use

For high temperature applications, pumping of air, chemically inert gases, carbon dioxide (dry), carbon monoxide, organic solvent vapors, resin vapors, etc.

Product examples

TRIVAC, SP-Line, RUVAC, E+DK, DRYVAC
SOGEVAC ≥ SV 100, ≥ SV40 B
SV 40 Kat 1 (i)/ 2(o) IIB + H2
SV 40 B to 630 B Kat. 2 (i)/ 2(o) & 3 (i)/ 3(o)

Mixable with / replacement for

GS 555
HE 600

LVO 240

Synthetic oil (Special-Ester oil)
Excellent polymer handling properties

Examples of use

When pumping solvents or gases, which tend to polymerize (e.g. styrene, butadiene)

Product examples

TRIVAC B

Mixable with / replacement for

NC 10

LVO 260

Synthetic oil (Ester oil with additives)
Very high thermal and oxidative stability.

Examples of use

Bearing oil for turbo blower

Product examples

TURBOSTREAM

Mixable with / replacement for

TST Oil 22

LVO 300

Synthetic oil (PAO with additives)
NSF / H1 registered.
All components meet the requirement of the FDA regulation 21 CFR 178.3570.
According to USDA – H1.

High thermal and oxidative stability.

Examples of use

Recommended for food packaging applications
Pumps for mass spectrometer.
Cleaning equipment.

Product examples

TRIVAC, SOGEVAC

Mixable with / replacement for

FGC 100

LVO 310

Synthetic oil (PAO with additives)
High thermal and oxidative stability.

Examples of use

Recommended for cold starts at low temperatures. For pumping air, chemically inert gases and water vapor and small quantities of refrigerant R717 (ammonia).

Product examples

TRIVAC

Mixable with / replacement for

SHC 224

LVO 400

Synthetic oil (perfluorinated polyether PFPE, free of additives)
Chemically inert. Highest thermal stability.

Examples of use

For pumping corrosive gases and oxidants like oxygen, ozone or nitrogen oxides as well as reactive substances like halogens, hydrogen halides and conditionally Lewis acids.

Product examples

TRIVAC BCS, E+DK, RUVAC, SOGEVAC

Mixable with / replacement for

NC 1/14
HE 1600

LVO 410

Synthetic oil (perfluorinated polyether PFPE, free of additives)
Chemically inert. Highest thermal stability.

Examples of use

For pumping corrosive gases and oxidants like oxygen, ozone or nitrogen oxides as well as reactive substances like halogens, hydrogen halides and conditionally Lewis acids.

Product examples

RUVAC, E+DK, DRYVAC

Mixable with / replacement for

NC 1/25
HE 2700

LVO 500

White oil, free of additives
High thermal and oxidative stability.
Very low vapor pressure.

Examples of use

Diffusion pump oil for high vacuum applications.

Product examples

Oil diffusion pumps DIP, LEYBOJET

Mixable with / replacement for

DIFFELEN normal

LVO 600

White oil
Good chemical stability.

Examples of use

For pumping small quantities of chemically reactive substances like halogens, halogen hydracid, halogenated hydrocarbons, Lewis acids, acetic acid.

Product examples

TRIVAC

Mixable with / replacement for

NC 2
HE 400

Classes	
LVO 1XX	= Mineral Oil
LVO 2XX	= Ester Oil
LVO 3XX	= PAO Oil
LVO 4XX	= PFPE Oil
LVO 5XX	= Diffusion Pump Oil
LVO 6XX	= White Oil
LVO 7XX	= Special Lubricants
LVO 8XX	= Greases
LVO 9XX	= Services / Analyses

Self-explanatory part numbers		
Example for LVO 100		
L 100 01	=	1 liter
L 100 05	=	5 liter
L 100 20	=	20 liter
L 100 99	=	208 liter (drum)

Example 1: Mineral Oil, No. 00, 5 liter

L 100 05

- L → oil class (Example: Mineral Oil)
- 100 → serial number for type of oil
- 05 → unit size in liter (Example: 5 liter)