



## 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 → unit size in liter (Example: 5 liter)
- 05 → serial number for type of oil