

Welch by Gardner Denver - Pump Oils

Labovac

Use Labovac pump oils with Welch pumps to reduce oil change cycles and maximize performance. This warranty is only effective when using Welch qualified vacuum pump oils.

Please note that for demanding applications not all types of Welch vacuum pump oil can be used, please contact Camlab for further details.

Labovac 10 - Mineral oil

Standard oil for One and Two-Stage Welch Rotary Vane Pumps and chemvac's . To pump air, inert gas and noble gas.

Remarks:

Oil service cycles can be extended by using an oil filter.

Labovac 11- Synthetic oil

Used for high operating temperatures > 100°C, specially in One-Stage rough vacuum rotary vane pumps.

Remarks:

Do not pump any inorganic acids. Ultimate pressure up to 0.5 mbar.

Labovac 12S - Paraffin based mineral oil

For pumping air, chemically inert permanent gases - water vapour, solvent vapors.

Remarks:

Oil service cycles can be extended by using a chemical oil-filter. Pump should operated with a cold trap.

Labovac 13- PFPE oil

For pumping strong oxidants like oxygen, ozone and reactive substances (halogens).

Remarks:

Mixing with other types of oil must be absolutely avoided. we recommend to order the rotary vane pump directly with these vacuum oil to ensure best performance.

Labovac 14- Polyalphaolefin oil (PAO)

For pumping of chemically inert permanent gases - water vapor and solvent vapors. Improved cold starting at low temperatures.

Remarks:

A oil-filter is strongly recommend. Ultimate pressure up to 10⁻²mbar.

Vacuum Pump Oil Condition Color

Vacuum Pump oil can become contaminated with ingested fluids and vapors. Use recommended pump oil and change your pump oil regularly. Cloudy and discolored oil will lead to premature pump failure.

Make the clear choice and change your oil regularly.

Good



Bad (Possible Pump Damage)



Product Information

	Labovac 10 Mineral oil	Labovac 11 Synthetic oil	Labovac 12S Paraffin based mineral oil	Labovac 13 PFPE oil	Labovac 14 Polyalphaolefin (PAO) oil
1Liters (1.1qt)	800122	800125	800128	800131	800135
2 Liters (2.1qt)	-	-	-	800132	800136
5 Liters (3.5qt)	800120	-	-	800133	800137
10 Liters (10.6qt)	800123	800126	800129	800134	800138
20 Liters (21.2qt)	800124	800127	800130	-	-
200 Liters (1.2ba)	800119	-	-	-	-