

Synthetic diffusion pump oil

NEOVAC SX®

NEOVAC SX is the synthetic vacuum diffusion pump oil which is produced by the fractional distillation process by using finely refined alkyl-diphenyl-ether in our unique molecular distillation device.

NEOVAC SX provides an extreme low vapor pressure and has a long life due to its excellent thermal and oxidation stability.

Description

1. Excellent chemical stability

This oil does not react by such metallic catalyst, as iron and copper at high temperature, and has a long life, due to its excellent thermal and oxidation stability. This is more stable oil than mineral oil and other synthetic oil.

2. Low vapor pressure

Pump being unable to obtain the lowest pressure with a low back streaming value, which is an untrapped and ultimate pressure at 10⁻⁷Torr.

3. Narrow molecular W/T range

Pumps can get a maximum speed and wide operation range, which minimizes the irregular pump operation caused by the variation of the voltage.

Properties

		General Properties
Viscosity	40°C · mm ² /s	22.0
Color	ASTM	L0.5
Density	15°C g/cm ³	0.936
Flash Point	°C	235
Average Molecule		394
Specific Heat	J/g	2.31
latent heat of vaporization	J/g	210
Operation Temperature		170~210
Vapor pressure	25°C Pa	Below 1.3×10 ⁻⁶
Ultimate pressure	25°C Pa	Below 7×10 ⁻⁶

Application

- The operated temperature : 170~210°C
- NEOVAC SX is unable to be blended with water or other fluids.
- Application for diffusion pump oil

Packaging

4L/Tin can, 18L/Can, 20L/Pail

Regulations

Fire Defense Law Non Hazardous : (Designated Combustible & Flammable Liquid)

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