

# HLT VACUUM PUMP OIL

TYPES: HLT-19, HLT-20, SINGLE STAGE, FOMBLIN

**HLT-19:** HLT-19 is a high quality, mechanical pump fluid for use in direct drive mechanical vacuum pumps. HLT-19 is a purified hydrocarbon fluid with excellent lubricity and resistance to gum formation and oxidation. This fluid is recommended for use in mechanical pumps where low back streaming is a necessity. It is suited for use in mechanical pumps backing diffusion pumps with more exotic fluids.

**HLT-20:** HLT-20 is a high quality, general purpose diffusion pump fluid which is double distilled from a straight petroleum hydrocarbon mineral oil to yield pure high viscosity oil for all types of diffusion pumps. HLT-20 is designed to meet the performance curves of speed and throughput of today's modern oil diffusion pumps. This fluid is also recommended for use in mechanical vacuum pumps where exposure to reactive gases is prevalent. In many instances HLT-20 has become the optimal selection for use in conjunction with applications such as: ion implantation, reactive plasma etching and LPCVD.

**Single Stage:** Single State Vacuum Pump oil is a high quality, straight mineral oil made to have extremely low vapor pressure by special refining methods. Single State oil is recommended for absolute pressures from 7601 millimeters of mercury down to the lowest pressures so far guaranteed for any commercial single stage mechanical pump, namely, 10 microns of mercury as measured by a McLeod gauge.

**Fomblin Oil:** Fomblin Oil is totally inert vacuum pump oil used in high oxygen and / or corrosive environments. Fomblin is ideally suited for the harsh conditions encountered in semiconductor manufacturing operations. There are several viscosities of Fomblin YL-VAC available to meet most vacuum pump manufacturer's requirements.



## Applications

- Standard Vacuum
- Belt Driven
- Corrosive
- Standard Hydrocarbon Fluids

**NOTE:** HLT regularly stocks all vacuum pump oil for your convenience.