LUBCON® Products for High Vacuum Technology

Molecular and Turbo Molecular Pumps

High Vacuum

Turmotemp® II/400 VAC Series
Outstanding lubricating and sealing greases suitable in high vacuum areas down to $10^{-6}$ mbar. Based on perfluorinated polyether (PFPE) oils and showing optimal oxidation and thermal stability.

- extremely low vapor pressure
- high molecular weight
- outstanding dielectric properties
- compatible with all sealing materials

Thermoplex® LME 252 / 552
Unique grease technology suitable in high speed, high temperature and high vacuum areas.

- speed factor up to 1 800 000 n x d,
- temperature range -40°C to 160°C (short time 180°C)
- low vapor pressure

Ultratherm® 2000
Special high vacuum grease for lifetime lubrication of bearings and sealing properties in turbo molecular pumps. Unique combination of low molecular weight polymers and a special perfluorinated polyether structure enables an excellent thermal and chemical resistance with the lowest evaporation losses. For use in ultra vacuum down to $10^{-9}$ mbar.

- excellent corrosion and wear protection
- prevents swelling of plastics and elastomers
- speed factor up to 300 000 n x d,
- low evaporation losses

Ultra High Vacuum and Radiation

Ultravac® 1002
Low and middle speed bearing grease containing special white solid lubricants with excellent behavior at high temperatures and in high vacuum operating conditions down to $10^{-9}$mbar. Perfectly adapted for long term or long life lubrication of turbo molecular vacuum pumps due to its high pressure stability.

- excellent corrosion protection
- low friction torque
- speed factor up to 500 000 n x d,

Complementary Products

Vanes and Valves

Turmotemp® II/400 OX

- BAM approved
- low evaporation
- no swelling of plastomers and elastomers

Turmotemp® M 802
Special sliding agent, suitable for high temperature applications.

- BAM approved
- no swelling of plastomers and elastomers

Ultratherm® 1000
It is used for special Ferrofluidic feedthroughs at high vacuum $10^{-9}$ mbar

- excellent friction and wear protection
- high temperature and pressure resistance
- no swelling of plastomers and elastomers
The indications made represent the present state of development and knowledge of LUBRICANT CONSULT GMBH which is subject to change without notification. The products are subject to severe controls of manufacture and comply in full with the specifications set forth by our company, but due to the multitude of different influencing factors, we cannot assume any warranty for the successful application in each individual case. Therefore, we recommend to perform field tests. We strictly refuse any liability.