



# 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<sup>-6</sup> 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<sub>m</sub>
- ✓ 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<sup>-9</sup> mbar**.

- ✓ excellent corrosion and wear protection
- ✓ prevents swelling of plastics and elastomers
- ✓ speed factor up to 300 000 n x d<sub>m</sub>
- ✓ 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<sup>-12</sup> 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<sub>m</sub>

## 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<sup>-8</sup> mbar**

- ✓ excellent friction and wear protection
- ✓ high temperature and pressure resistance
- ✓ no swelling of plastomers and elastomers



# LUBCON<sup>®</sup> Vacuum Pump Technology



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