Klüber Tyreno Fluids 3/6V, 6/14V, 12/25V

for low and fine vacuum applications (in mech. backing pumps) and high vacuum applications (in diffusion pumps)



Description:

Klüber Tyreno Fluids 3/6V, 6/14V and 12/25V are perfluorinated polyether oils with very low vapour pressures suitable for vacuum pumps.

Application:

Klüber Tyreno Fluids based on perfluorinated polyether oils are technical operating materials for high-vacuum pumps. They have proven successful for the extraction of very aggressive media including oxygen.

Application notes:

Prior to first application, clean all the parts in contact with the fluids with white spirit 180/210 and afterwards with Klüberalfa XZ 3-1. Then blow them carefully with clean, dry compressed air or use hot air in order to remove all white spirit residues.

The application point has to be completely bright, i.e. free from any oil, grease, perspiration residues and contaminating particles. When used with oxygen, the filling process has to be "oxygen-clean".

We recommend contacting our application engineers to ensure maximum service life. Klüber Tyreno Fluids 3/6V, 6/14V, 12/25V are supplied as standard products based on the characteristics listed in this product information leaflet, the corresponding data sheet and the EU materials safety data sheet.

Minimum shelf life:

The minimum shelf life is 60 months if the product is stored in the closed original container in a dry place.

Pack units:

PE canister of 500 ml PE canister of 1 l PE canister of 2.5 l PE canister of 5 l PE canister of 10 l

Klüber Tyreno Fluids 3/6V, 6/14V, 12/25V

- For high-vacuum applications and low final pump pressures
- High chemical resistance
- BAM approval

Product data:

	3/6V	6/14V	12/25V	
Base	perfluorinated polyether oils			
Colour, aspect	colourless, clear			
Density at 20 °C (g/cm³), DIN 51 757	approx. 1.90	approx. 1.90	approx. 1.90	
Viscosity at 40 °C/mm ² /s DIN 51 562, pt. 1	approx. 30	approx. 60	approx. 100	
Flash point, °C, DIN ISO 2592	non-flammable			
Vapour pressure, 20 °C, mbar DIN 28 426	approx. 10 ⁻⁵	approx. 10 ⁻⁶	approx. 10^{-8}	
BAM Log. No.				
as sliding agent	4313/1984, 4-1598 I	5028/1985, 4-1751 l	4313/1984, 4-1598 II	
as filling fluid	9254/85, 4-3169 I	9254/85, 4-3169 II	5204/1984, 4-1928	

Klüber Tyreno Fluids 3/6V, 6/14V, 12/25V Safety Data Sheet

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reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.

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