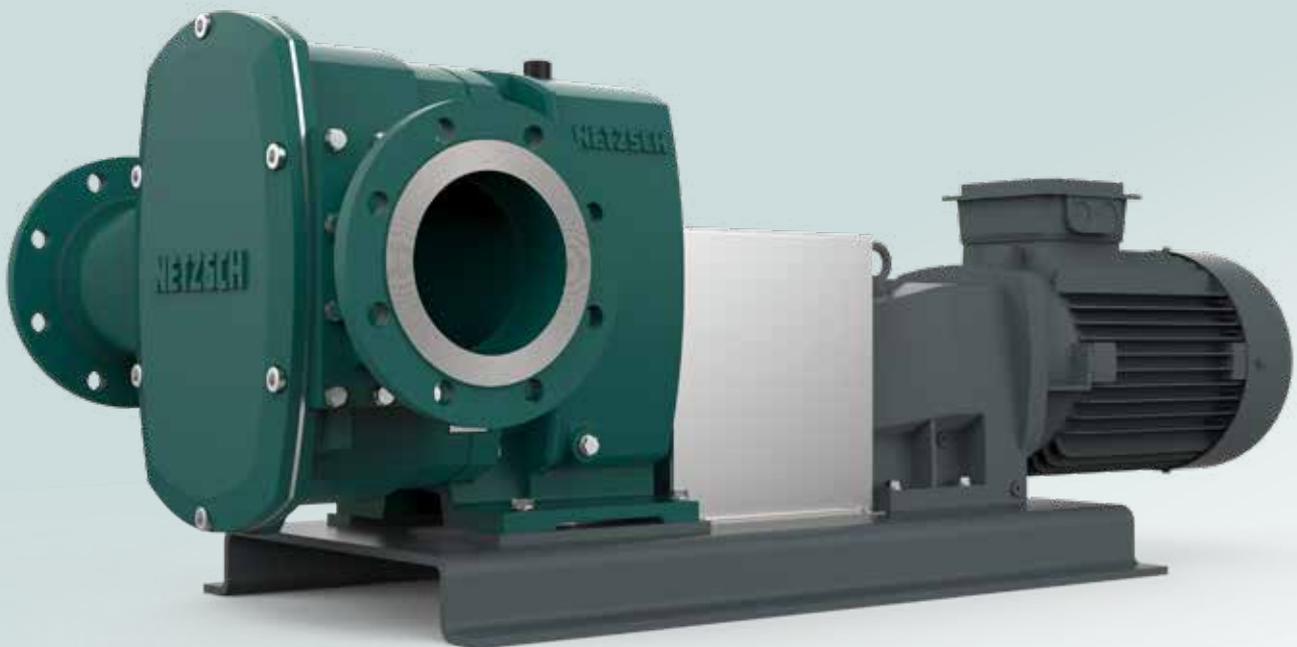


TORNADO® Rotary Lobe Pump T1 Series MB-F, XB-F and XLB-F



The new generation of the TORNADO® T1 Series Lobe Pump is available in ten different sizes developed to the highest standards of quality, technology and efficiency.

Performance

- Capacity up to 1,540 gpm / 350 m³/h
- Maximum pressure 145 psi / 10 bar
- Temperature up to 195°F / 90°C
- Viscosity from 1 to 50,000 cP

Product Advantages

- Maximum operational reliability: NETZSCH GSS¹ Technology
- Full Service-in-Place (FSIP®) maintenance
- Low installation and maintenance cost
- Compact construction
- Installation flexibility
- High suction capacity up to 28 feet / 8.5 meters
- Reversible flow
- Low operating cost

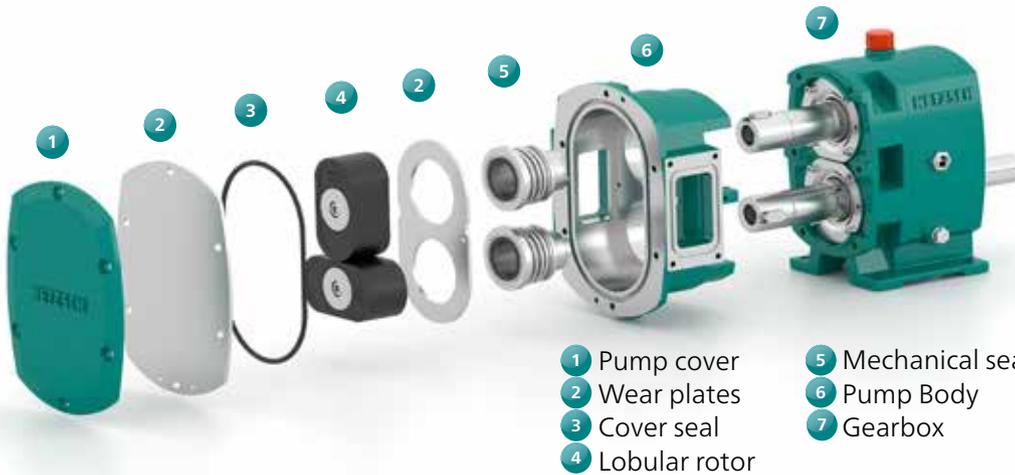
Wide application range

Suitable for a wide range of applications, but particularly for liquids that:

- Contain solids
- Have a wide range of viscosities
- Are sensitive to shear, such as thixotropic, dilatant, pseudo-plastic and others
- Are fibrous and/or abrasive
- Whether lubricating or non-lubricating liquids

¹ Gearbox Security System - a physical air separation between the mechanical seal and the lip seal off the timing gearbox. Process fluid can never contaminate gear oil.

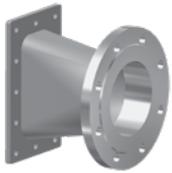
TORNADO® T1 Gen F Series



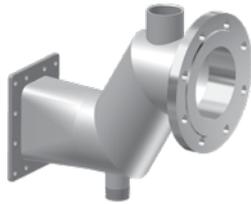
- 1 Pump cover
- 2 Wear plates
- 3 Cover seal
- 4 Lobular rotor
- 5 Mechanical seal
- 6 Pump Body
- 7 Gearbox

Adapter types

Pump inlet and outlet adaptors for connection to installation pipework are available in various designs



Straight adaptor



Gooseneck (liquid trap)



Elbow (90° upwards) adaptor

Connection options

Adaptors designed to suit specific installations available on request

The rotors / lobes – low-pulsation, smooth pumping of all product

Rotors / Lobes in different geometries and materials



2 lobe straight



3 lobe helical



4 lobe helical

The rotor geometry and material are selected for the characteristics of the pumped product. Geometries are available for products which are viscous, abrasive or contain solids. Materials tailored to the product characteristics increase the durability of the rotor/lobes and extend service life.

NETZSCH®

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