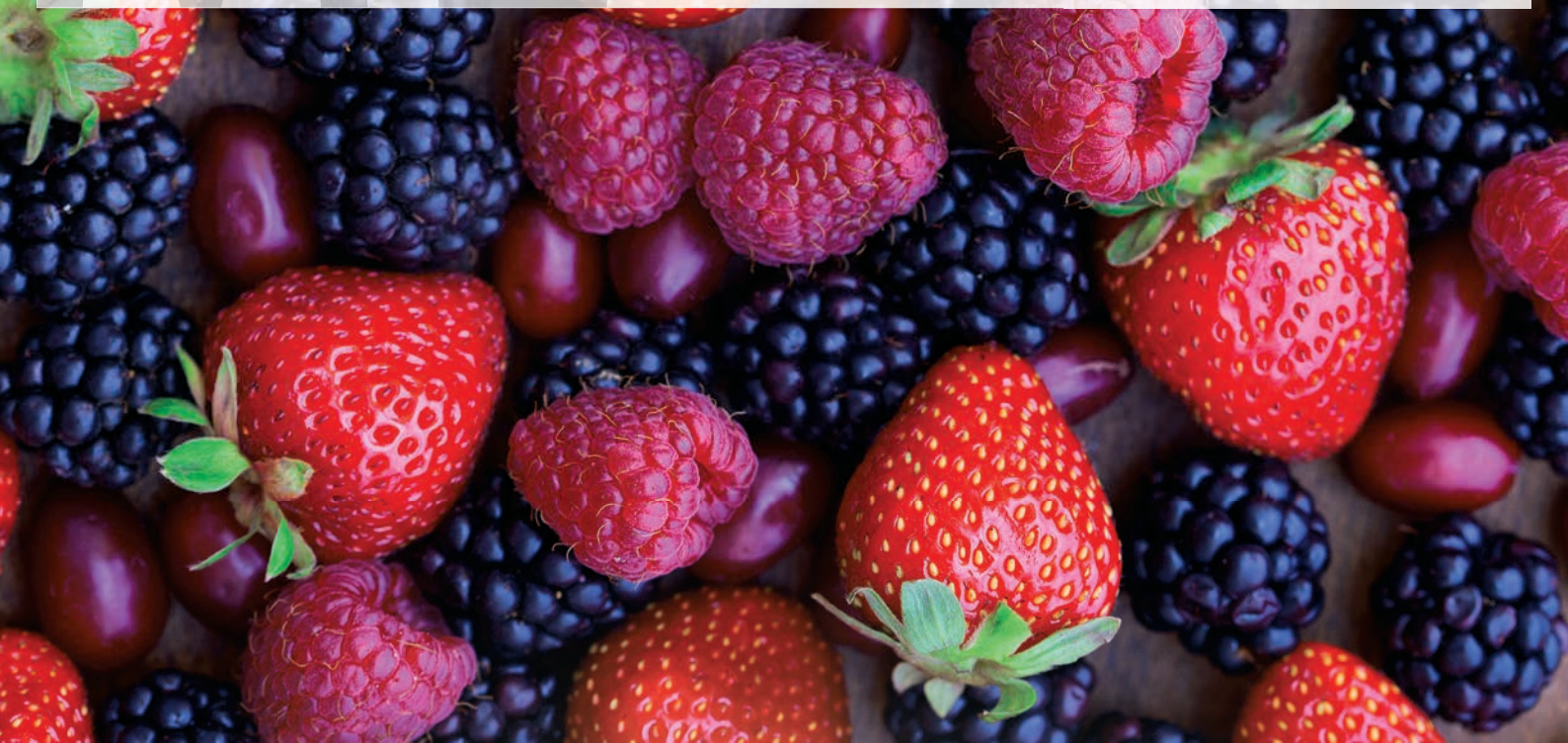


Rotary lobe pumps ML

**KNOLL**  
.It works

Issue 03-2017



Drehklobenpumpen ML

## Structure

The KNOLL rotary lobe pumps ML are extremely well-suited for highly-demanding conveying tasks due to their robust construction. In the food industry, rotary lobe pumps are the most frequently-used positive displacement pumps. Their small space requirement, easy maintenance and reliability have been convincing people for decades.

## Benefits

- Touchless conveying elements
- Compact design
- CIP and SIP capable
- Good self-priming behavior
- Service and inspection friendly
- FDA conform materials

## Options

- Completely made out of stainless steel (also bearing housing)
- Heating / Cooling jacket
- Rectangular inlet
- Integrated overpressure valve
- Gear rotors
- Mobile base plate

## Type code

	ML 18-B-0003
Designation .....	ML
Size .....	18
Model .....	B
Nominal flow rate .....	0003

## Power range

Flow rate:	10 – 300.000 l/h
Differential pressure:	up to 20 bar
Viscosity:	up to 1.000.000 mPas

# Design features

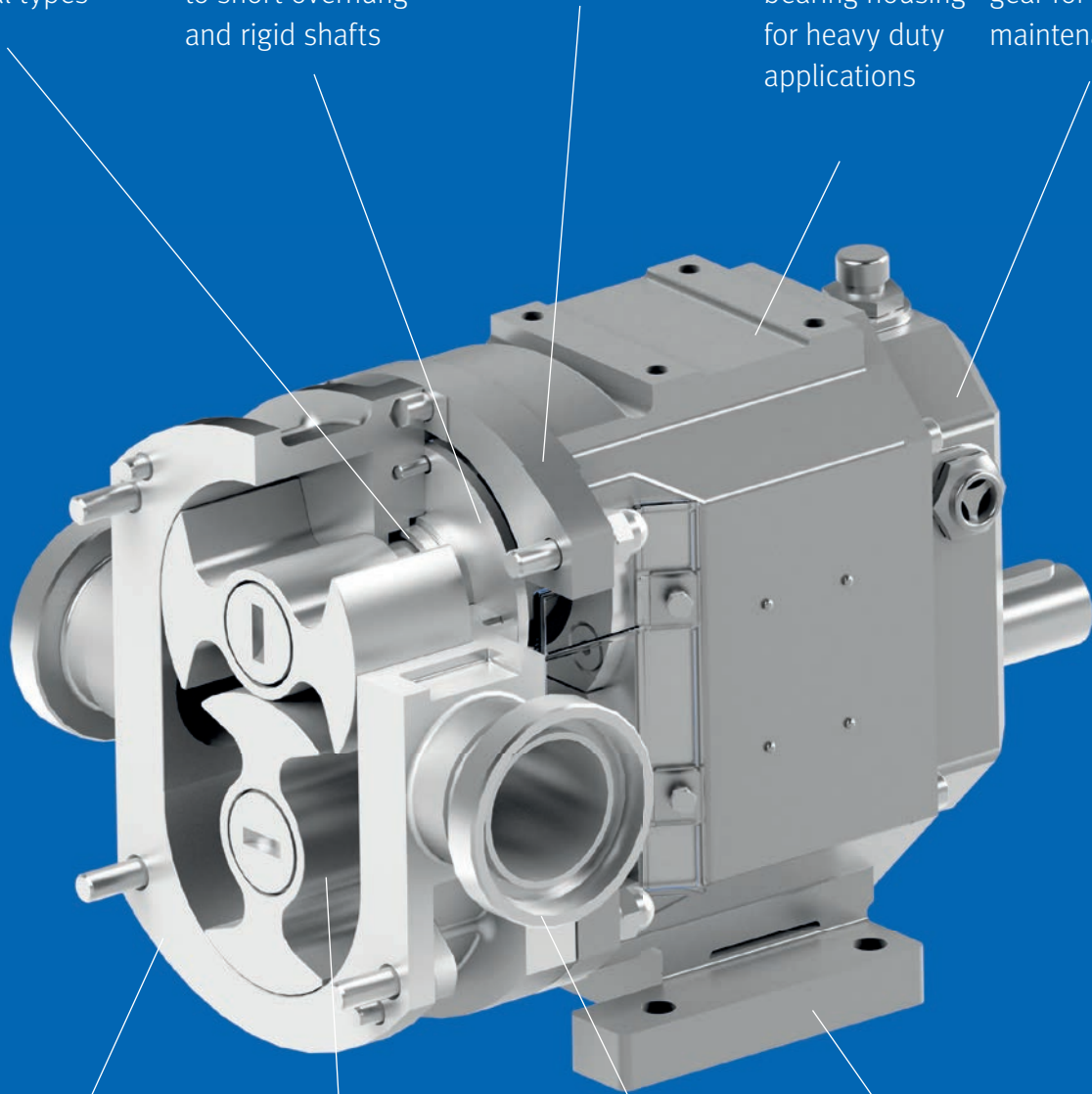
Wide range of interchangeable shaft seal types

Robust pump construction thanks to short overhung and rigid shafts

4x2 heavy duty taper roller bearing

Sturdy, high-quality cast iron bearing housing for heavy duty applications

External synchronization gear for easy maintenance



Self-draining pump casing (in vertical arrangement)

Various lobe- and rotary piston geometries

Welded ports for highest sanitation and flexibility

Removable foot for flexible position of drive shaft and horizontal or vertical arrangement of in- and outlet



## Checklist

The ML lobe pump is precisely attuned to the solution adapted for customer-specific use.

[What is your application?](#)

### Contact data

Company:

Address:

Contact:

Telephone / E-mail: /

### Application

Conveying application

Dosing application

### Medium

Description:

Viscosity:

Particles:

Temperature:

### Operating parameters

Flow rate:

Discharge pressure:

Additional information:

### Model

Materials:

Requirements:

Additional information:

### Drive

Three-phase motor

Servo motor

Voltage / Frequency: