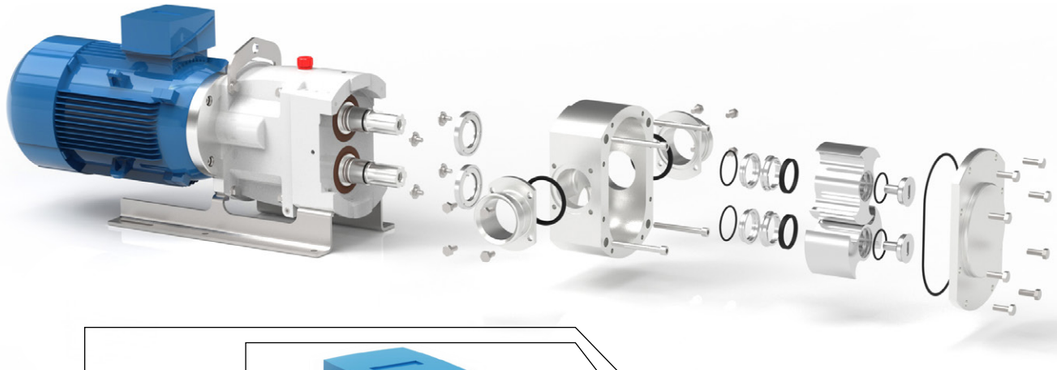
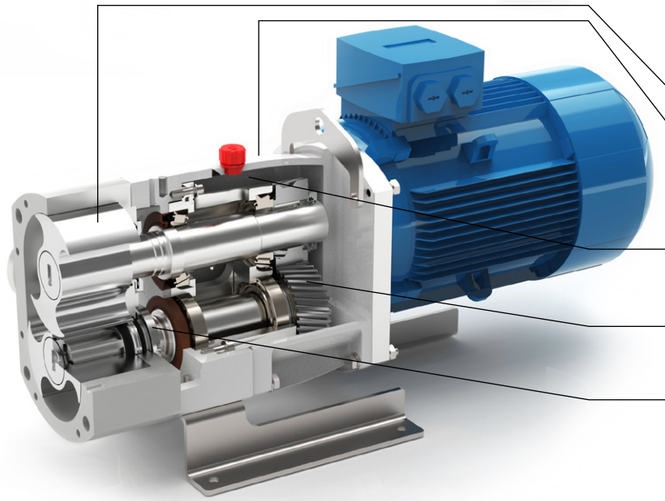
Pump series LTE



Characteristics

The LTE series are hygienic truck loading/unloading pumps. All product-wetted parts are made from 1.4404/316L stainless steel, to match the highest hygienic standards. The use of compact, direct-coupled electric motors enables space-saving and flexible installation.





LTE

1. Different rotor types available to ensure optimal performance for all kinds of liquids.
2. Epoxy coated lightweight aluminum gearbox and gearbox cover.
3. Food grade oil-filled gearbox increases bearing lifetime and requires minimal service effort.
4. Internal 1/2.5 gear reduction allowing direct on line operation with 6 pole motor
5. Design and position of the seals, brings the CIP-fluid in direct contact with them.
6. Wetted seal parts can be replaced without disassembling the rotor case: pump does not need to be mounted out of the installation to change seals.

Your benefits

Cleaner
- Certified to EC1935/2004, and 3A versions available
- Wetted surfaces with Ra < 0.8 µm
- Wetted parts in SS316L/ 1.4404

Improved CIP performance
- Optimized design to eliminate dead-spaces, O-ring grooves without dead corners.
- Wetted parts of mech. seal directly in the product stream.

Shorter downtimes/higher flexibility
- Pump can stay in piping/truck during replacing seals thanks to front loaded seals.
- No need to open gearbox for adjusting axial clearances between rotors and casing.
- Rotor change without timing

Extended service intervals
- The oil-lubricated gearbox avoids frequent relubrication of the bearings with grease.
- This reduces maintenance and increases operational reliability.

Universal mounting
- Pumps can be mounted with both horizontal and vertical port connections.
- Direct coupled electric motors suitable for use with frequency converter.
- Short mounting dimensions also for narrow space conditions.

Heating jackets for casing and front cover, pressure relieve valve and many more options available.

Packo
a VERDER company

Application areas

LTE truck pumps are designed to handle low and high viscous products in bi-directional operation, they offer a very good efficiency especially with low viscosity products. A high displacement, good suction capability and good cleanability are further features of the LTE series. With the direct coupled electric motor the LTE is best suited to be installed in small areas.

Technical specifications

Pump series	LTE
Performances	
Max flow rate	40 m³/h
Max viscosity	1.000.000 cP
Max differential pressure	15 bar
Max temperature	140°C
Technical specifications	
Materials wetted parts	stainless steel 316L / 1.4404
Seal configuration	single, flushed, double mechanical seal, O-ring seal
Available material O-ring	NBR, EPDM, FKM, PTFE
Connections	sanitary and industrial fittings, rectangular inlet available
Mounting position	horizontal and vertical
Surface finish	food quality, internal surfaces polished to 0.8 µm
Certificates & legislation	FDA, 3A, USP, EAC

Dimensions

Size (mm)	A	B	C	D	E1	E2	F	H	J	L	Q	R1	R2
LTE 62	288	63	370	195	250	450	131	187	225	816	264	290	490
LTE 64	302	83	370	195	250	450	160	187	225	845	264	290	490

	LTE 62	LTE 64
Displacement (l/100 revs)	64.0	95.0
Standard port size (mm)	65	76/80
Enlarged port size (mm)	76/80	100
Max differential pressure (bar)	15	8
Max speed (rpm)	720	720
Max flow (l/min)	461	684

