



LME Series

High Efficiency
Centrifugal Pumps



LME SERIES



Ampco Pumps GmbH offers the LME Series, ideal for hygienic applications and equipped with a front-loading seal design. There is no longer a need to disconnect the pump from piping to perform routine seal maintenance. The front-loading seal is maintenance-friendly and is easily convertible to a double mechanical seal.

LME Series pumps are built with a machined solid EN 1.4404 stainless steel casing, making it resistant to flashing and cavitation. All LME pumps include EN 1.4301 stainless steel adapters.

The pump channel is flow-optimized, allowing for very gentle product handling and highly efficient operation.

Additionally, the LME Series is 100% dimensionally and hydraulically interchangeable with competing pumps.

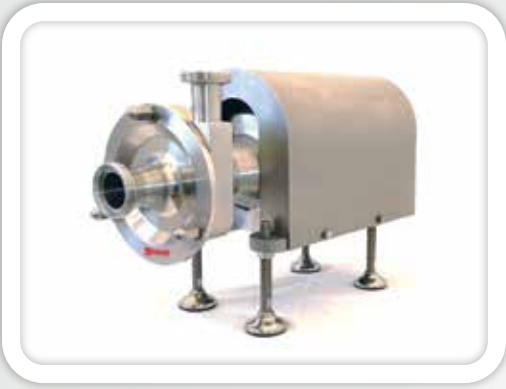
Pasteurizer equipped with Ampco LME pump



LME R52 for high inlet pressure and delta p



Brewery Fermenting Tanks



LME pump with motor cover



LME-V532 with heating jacketed cover

LME ADVANTAGES

- Universal use, robust design, low maintenance, durable and economical
- All spare parts are interchangeable with competing models
- Affordable replacement parts are readily available for fast delivery
- Heavy-wall construction, tight manufacturing tolerances, dynamically balanced impellers and a self-aligning shaft minimize vibration and promotes longer seal life
- Gentle product handling, suitable for product viscosities up to 1.200 cP
- Capable of pumping product containing air, gases or suspended solids
- Wetted parts EN 1.4404, adapter EN 1.4301
- Customer specified international connections available
- IEC motors standard
- Low NPSH values
- Suitable for CIP and SIP
- ATEX Certification
- Drain option available
- Close-coupled design

SIZES OVERVIEW

SIZE	FLOW RATE (m ³ /h)	HEAD (m)
LME R10	15	20
LME R20	25	28
LME R40	28	55
LME R50	55	95
LME V520	52	30
LME V530	62	45
LME V540	120	60
LME V550	140	93

Values obtained at 2900 1/min. Higher flow rates and pressure may be obtained using a variable-frequency drive (VFD) and higher speed. Max. inlet pressure 16 bar. Max. outlet pressure 21 bar.



Exploded view LME-Series

TECHNICAL DATA

PERFORMANCE OVERVIEW

- Models: 8
- Max Discharge Pressure: 110 m, higher pressure with VFD is possible.
- Max Flow Rate: up to 140 m³/hr, higher flow rates with VFD
- Inlet pressure up to 16 bar
- Max Viscosity: 1.200 cP

SEAL OPTIONS

- Single mechanical seal front-loading
- Flushed seal (double mechanical seal)
- 2 Seal sizes for all 8 LME models ø 22 and ø 35 mm

SEAL MATERIALS

- SiC/SiC
- TC/TC
- SS/Carbon

O-RINGS

- Special materials available
- Viton
- EPDM

OR CERTIFICATES

- 1935/2004
- CFR title 21 (FDA)

DRIVE

- 50Hz
- 1450-2900 1/min (rpm)
- IEC Motor

MATERIALS

- Wetted parts EN 1.4404
- Adapter EN 1.4301 stainless steel

CONNECTIONS

- DIN11851
- DIN 11853
- DIN 11864
- DIN 32676
- Tri-Clamp
- SMS-connections
- Several aseptic standard options

INSTALLATION

- Horizontal
- Close coupled

OPTIONS

- LME on a mobile cart
- LME with base and feet
- Front-loading system for seal change
- Special polishing requirements
- Flushing options for the mechanical seal
- Double jacket on cover for heating or cooling
- LME R52 for high inlet and head pressure
- Motor shrouds
- Drain



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