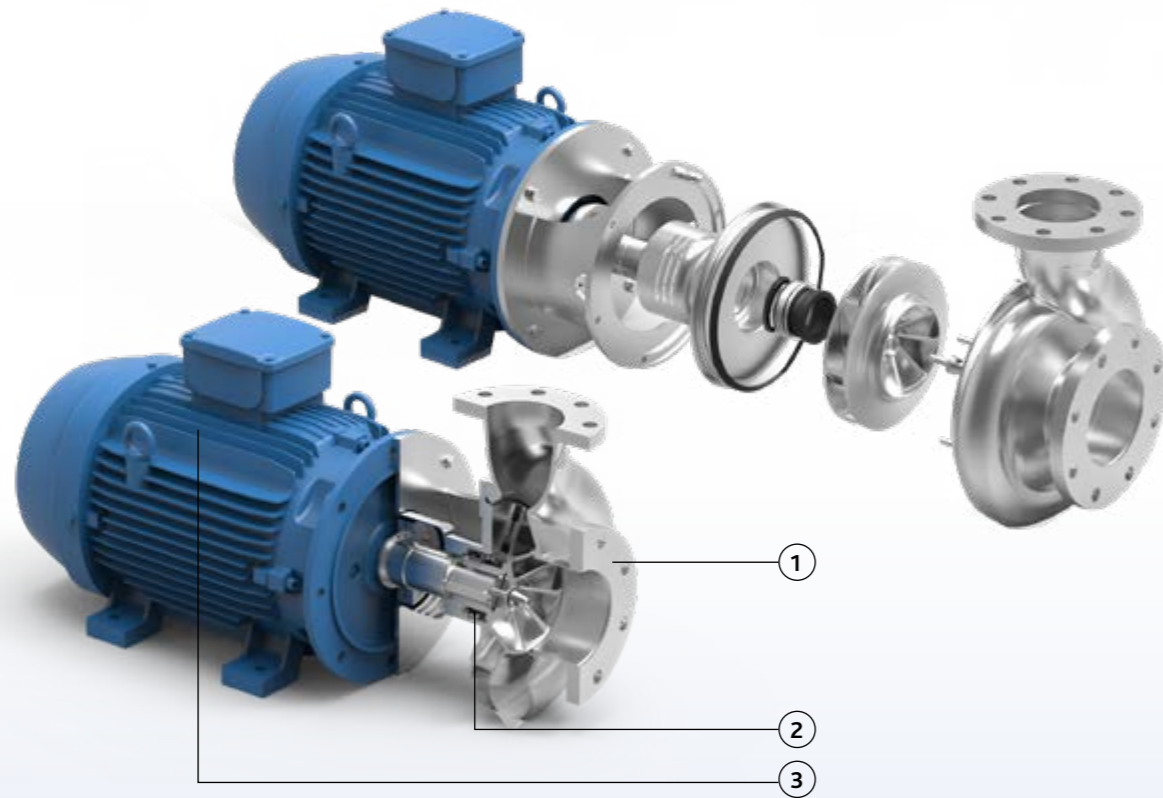


# Pump series MCP3



## Characteristics

These robust pumps have stainless steel 316L cast pump casings and closed or channel investment cast impellers constructed in duplex materials. Thanks to its solid construction and electropolished design these pumps are the reliable component for your production process.



### MCP3

- 1 Solid design thanks to investment cast pump casings and impellers
- 2 Large seal cavity to guarantee liquid circulation around the seal
- 3 Monobloc execution with std. IEC motors
- 4 Standardized mechanical seals to EN 12756  
FDA approved bellow mechanical seals or balanced O-ring seals
- 5 Mechanical seal diameter depending on motor power: 43 - 70 – 100 mm



bellow seal

## Your benefits

- High pump efficiency resulting in lower energy consumption
- Low NPSH values: less risk on cavitation
- Electropolished: higher resistance against corrosion
- Easy and robust construction and easy maintenance: less downtime
- Easy to install
- Very quiet operation
- Standard components

## Application areas

They are often used as process pump for contaminated water as well as for CIP cleaning systems, filtration of wine, mash, beer, whey and blanching of vegetables. Typical liquids: mash, wort, process and contaminated water, biodiesel, bioethanol, alcohols, CIP, biogas, etc.

### Pump series

#### Performance

	MCP3
max. flow rate	1700 m <sup>3</sup> /h
max. differential head	70 m
max. discharge pressure	12 bar
max. liquid viscosity	500 cP
max. temperature	140°C
impeller type	closed (with back vanes and balancing holes) – optional: channel impellers
max. free passage	closed impellers: 27 mm - channel impellers: 41 mm
max. motor power	250 kW
max. speed	3000/3600 rpm
available frequency	50/60 Hz

#### Technical specifications

materials wetted parts	stainless steel 316L or similar
mechanical seal configuration	single bellow, single balanced, quench, double, pressurized barrier
available O-ring materials	EPDM, FKM, FEP-FKM, FFKM
connections	flanges according to EN1092-1/01 & 02, ANSI flanges
surface finish	industrial, welds not hand polished, electropolished
certificates & legislation	



## Performance curves

### MCP3

