

Pump series MCP2



Characteristics

These robust pumps have stainless steel 316L cast pump casings and open or semi-open 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.

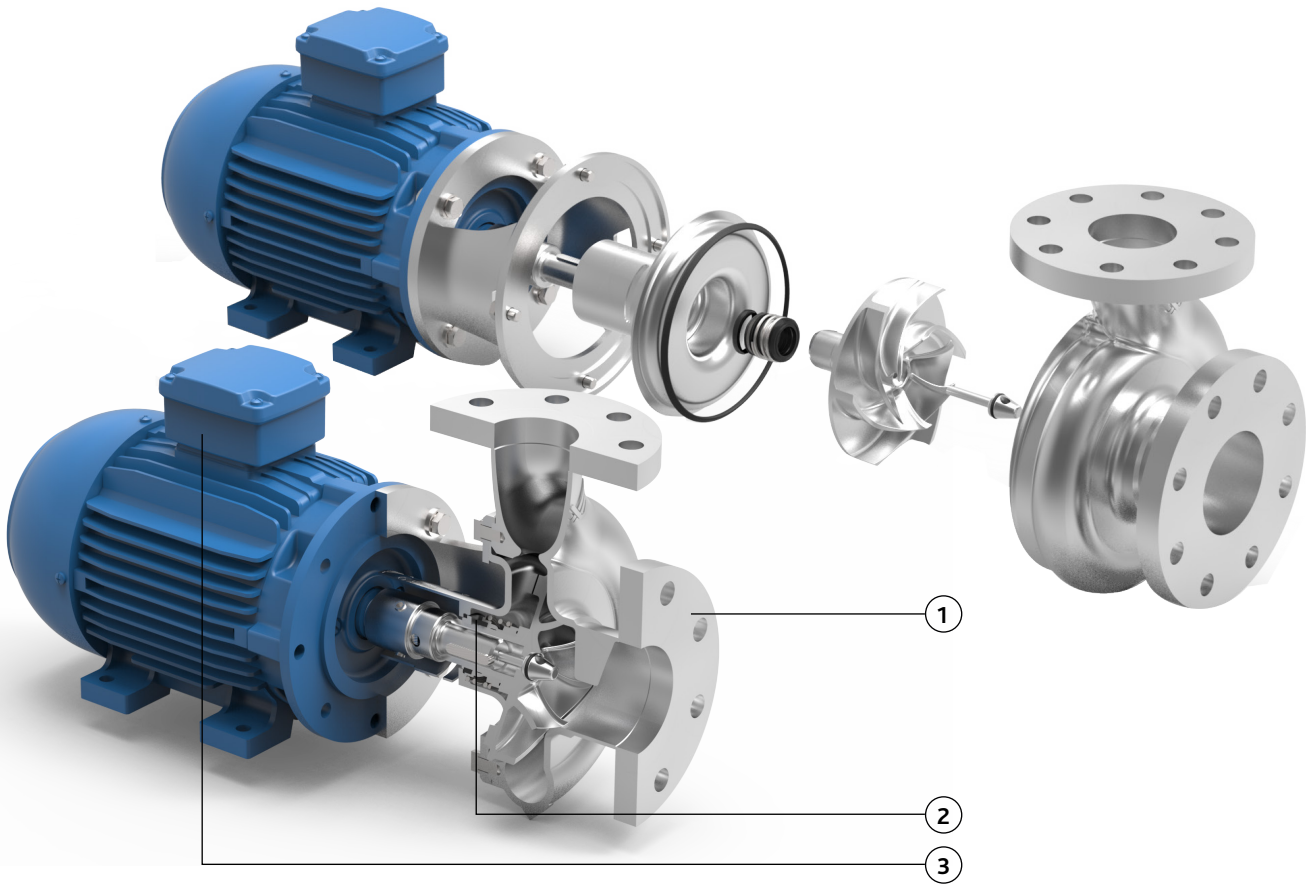
Your benefits





- 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
- Solid impellers compared to low cost spot welded versions
- 1 mechanical seal diameter for entire range
- Standard components

Application areas

These robust process pumps are often used as process pump for contaminated water as well as for CIP cleaning systems, filtration of wine, mash, whey and blanching of vegetables.

Typical liquids: mash, wort, process and contaminated water, biodiesel, bioethanol, alcohols, CIP, biogas, etc.



Pump series	MCP2
Performance	
max. flow rate	120 m³/h
max. differential head	65 m
max. inlet pressure	10 bar
max. liquid viscosity	1000 cP
max. temperature	140 °C
impeller type	open or semi-open
max. free passage	25 mm
max. motor power	22 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, Silicone
connections	BSP fittings, flanges according to EN1092-1/01 & 02, ANSI flanges, smooth tubes
surface finish	industrial, internal welds not hand polished, electropolished
certificates & legislation	   

MCP2

- 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 One seal diameter for the entire range: Ø 33 mm



Performance curves for MCP2

