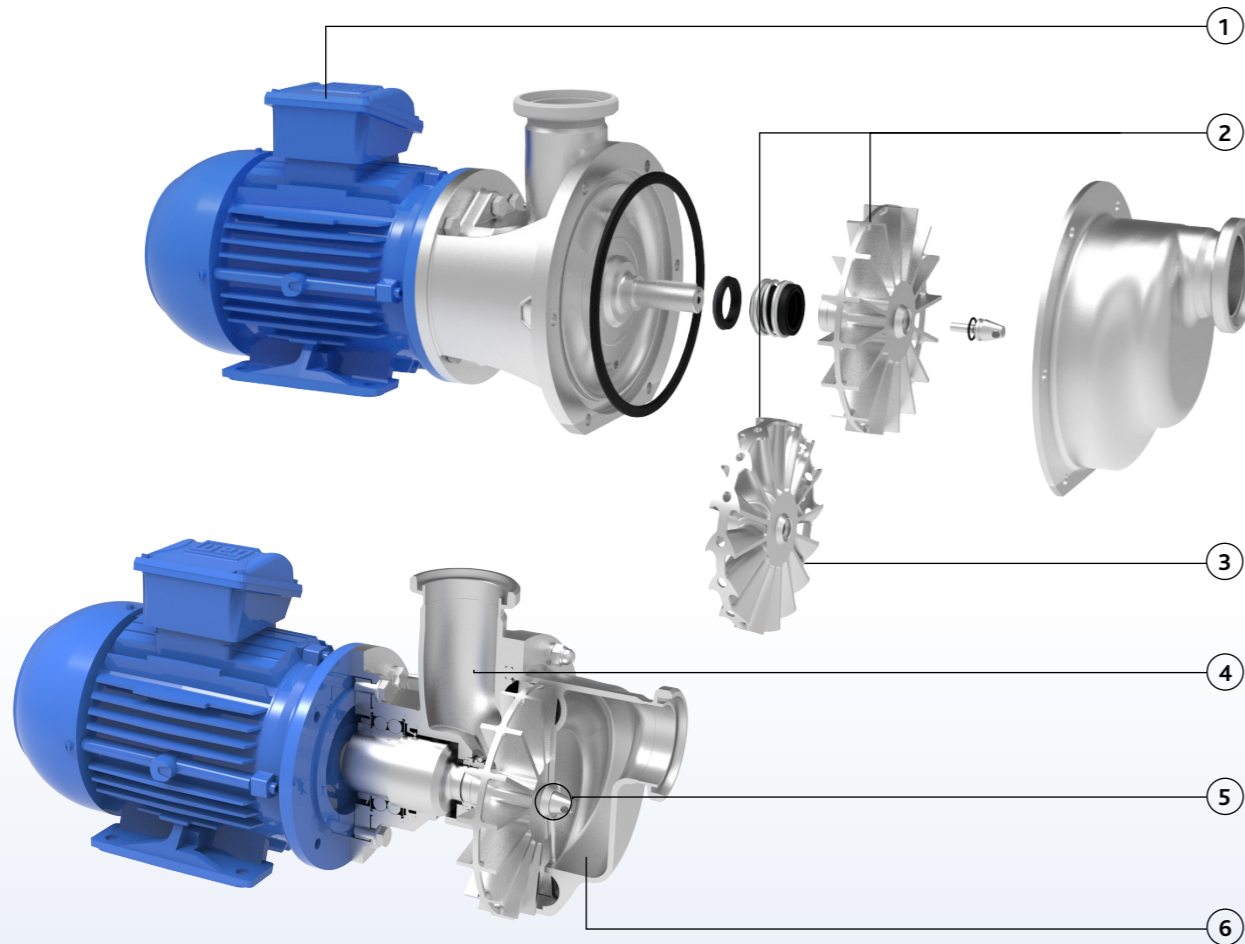


Pump series MSCP



Characteristics

Both the pump casing, the impellers and the lantern piece with bearing support of this self-priming pump consist of electrolytically polished precision casting in stainless steel 316L. This results in a robust, reliable pump with a very fine surface structure.



MSCP

- 1 Monobloc version with standard IEC motors (4-pole)
- 2 Connection ring on the outside of the blades. Pump casing is cleaned better than with an impeller attached to the outside and yet there is no resonance of the blades as with open impellers.
- 3 Impeller with profiled blades (optional) results in exceptional suction and air handling capacity and in a low NPSH.
- 4 Pump outlet on seal chamber. The liquid flushes the mechanical shaft seal, ensuring perfect cleaning of the seal chamber.
- 5 No dead space around impeller mounting screw.
- 6 When stopped, sufficient liquid remains in the pump to be able to start up again.
- 7 FDA approved mechanical seals to EN 12756. Different types of seals available.



Your benefits

- Exceptional suction power and air handling capacity thanks to impeller with profiled blades (optional)
- Sucks the suction line completely empty
- Also suitable for foaming liquids and liquids that are slightly more viscous
- Hygienic design
- Electrolytically polished: easy to clean
- Standard engine and mechanical seal are the best guarantee for reasonable spare part prices

Application areas

This self-priming side channel pump is used in various applications where air must be pumped in against a high back pressure in the discharge line.

The MSCP has exceptional suction power and air handling capacity. This means it can completely empty the suction line, even with foaming and slightly more viscous liquids.

It is often used for unloading trucks and pumping in high silos.

Pump series

Performance

	MSCP
max. flow rate	40 m ³ /h
max. differential head	75 m
max. inlet pressure	5 bar
max. liquid viscosity	300 cP
max. temperature	140°C
impeller type	star impeller with straight or profiled blades
airhandling capacity	up to 50 litre/min
suction depth	up to 8,5 m
max. motor power	15 kW
max. speed	1500/1800 rpm
available frequency	50/60 Hz

Technical specifications

materials wetted parts	stainless steel 316L or similar
mechanical seal configuration	diverse types single mechanical seal
available material O-ring	EPDM, FKM, FFKM
connections	DIN11851, SMS, RJT, DIN11864-1, DIN11864-2
surface finish	electropolished
certificates & legislation	

Performance curves at 1500 rpm

MSCP

