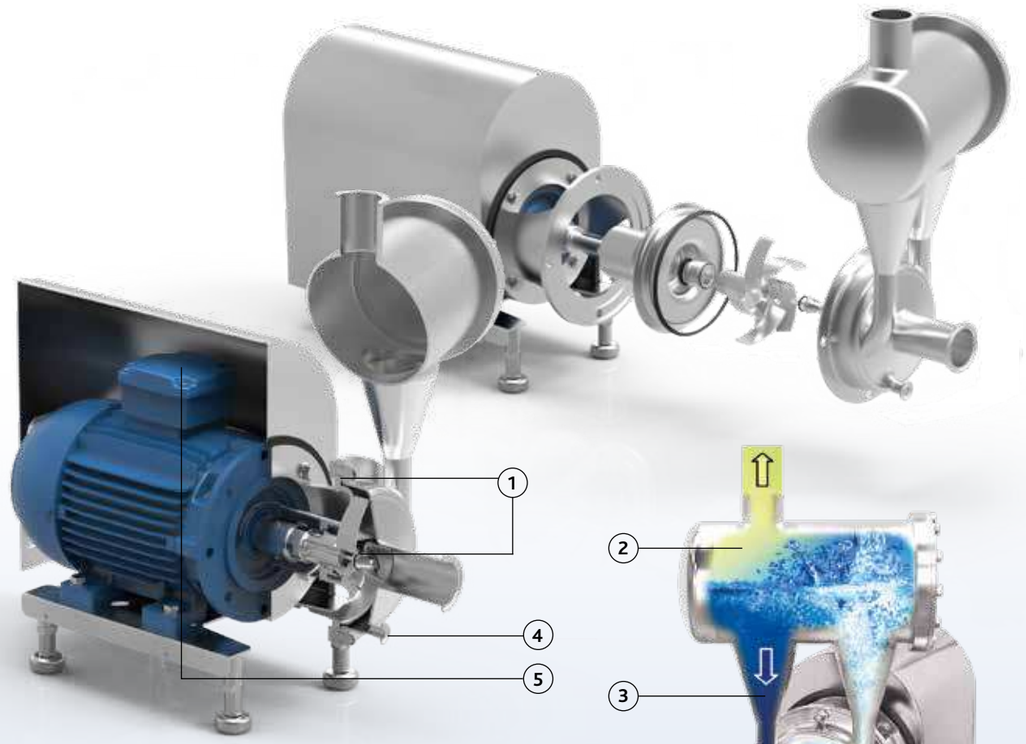
Pump series PRP2



Characteristics

The pumps of the PRP2 series are perfectly cleanable EHEDG and 3A certified air handling pumps and are mainly used to pump a mixture of liquid and air. These perfectly cleanable pumps have stainless steel 316L pump casings constructed in thick cold rolled plate, 100% non porous and extremely smooth. The pumps have fully machined open impellers constructed in 1.4435 material. Thanks to its crevice-free design and electropolishing as a final surface treatment, the PRP2 pump series are perfectly cleanable, resulting in a reliable component into your production process.





sterile seal



novapad

PRP2

1 Electropolished, easy to clean construction, no bacteria traps and no small clearances in order to clean the area around the O-ring
2 Unique air handling design with cleanable air separator
3 By-pass to casing taking care about air evacuation
4 Fully drainable
5 Monobloc execution with std. IEC motors
6 Standardized mechanical seals to EN 12756 FDA approved sterile O-ring seals
7 Optional: Novapad seal for applications with poor lubrication

Your benefits:

- Higher pump efficiency compared with a classic liquid ring pump
- Low NPSH values: less risk on cavitation
- Electropolished: perfectly cleanable
- Easy & robust construction and easy maintenance: Less downtime
- Limited noise level
- 1 mechanical seal diameter for the entire range
- Fully certified (roughness value, FDA, USP, 3.1 for wetted parts, certificate of conformity, etc.)
- Suitable for SIP
- Parts in contact < 0.4 µm

Application areas

Thanks to its unique air handling design based on a standard centrifugal pump, the PRP2 series are particularly suitable as CIP return pump!

Pump series	PRP2
Performance	
max. flow rate	80 m³/h
max. differential head	75 m
max. inlet pressure	10 bar
max. liquid viscosity	10 cP (to guarantee air handling capabilities)
max. temperature	140°C
impeller type	Open
max. free passage	22 mm
max. motor power	22 kW
max. speed	3000 / 3600 rpm
available frequency	50 / 60 Hz
Technical specifications	
materials wetted parts	stainless steel 316L for casing and backplate, 1.4435 for the impellers, duplex 1.4462 for metallic parts of the seal and impeller screw
available materials o-ring	EPDM, FKM, FEP-FKM, FFKM, Silicone
mechanical seal configuration	Single, quench, double
connections	sterile connections
surface finish	pharmaceutical quality, roughness value < 0.4 µm for wetted parts, electropolished, fully certified
certificates & legislation	3A, EHEDG, FDA, USP, Ex, EAC

Performance curves at 2900 rpm

PRP2

