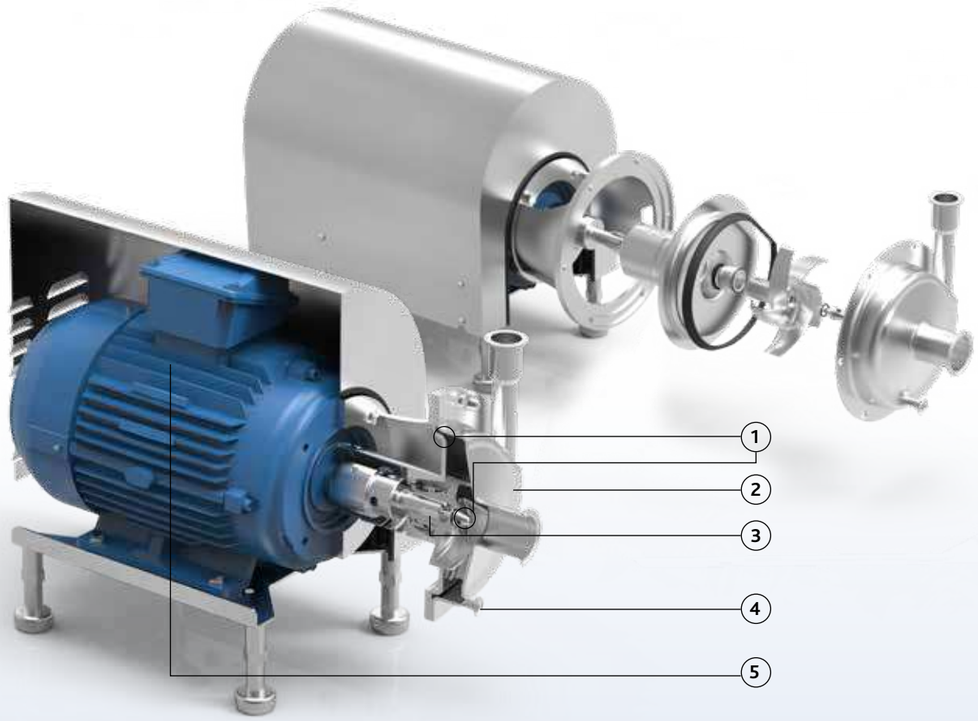
Pump series PHP2



Characteristics

The Packo EHEDG and 3A certified pharmaceutical process pumps of the PHP2 series are used for the most demanding sterile applications in the pharmaceutical, biotech and semi-conductor industry. 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 PHP2 pump series are perfectly cleanable, resulting in a reliable component into your production process.



PHP2

1 Electropolished, easy to clean construction, no bacteria traps and no small clearances in order to clean the area around the O-ring

2 Pressed stainless steel pump casing in 2B, extremely smooth

3 Large seal cavity to clean mechanical seal properly

4 Fully drainable

5 Monobloc execution with std. IEC motors

6 Standardized mechanical seals to EN 12756
FDA approved sterile O-ring seals

7 Sterile mechanical seal with hydropad
static seal face for WFI > 80°C



sterile seal



hydropad

Packo Pumps

Your benefits:

- High pump efficiency lower energy consumption
- Low NPSH values: less risk on cavitation
- Electropolished: perfectly cleanable
- Easy & robust construction and easy maintenance: Less downtime
- Standard components
- 2 mechanical seal diameters for 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

These perfectly cleanable process pumps are the ideal solution for pure water circulation loops, cleaning applications, etc.
Typical liquids are pure water, WFI, CIP, syrups, etc.

Pump series	PHP2
Performance	
max. flow rate	100 m³/h
max. differential head	110 m
max. Inlet pressure	13 bar
max. liquid viscosity	1000 cP
max. temperature	140°C
Impeller type	Open
max. free passage	22 mm
max. motor power	45 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, cETLus, FDA, USP, Ex, EAC

Performance curves at 2900 rpm

PHP2

