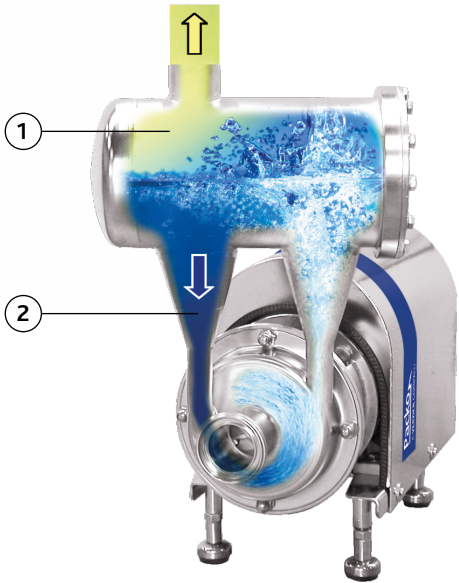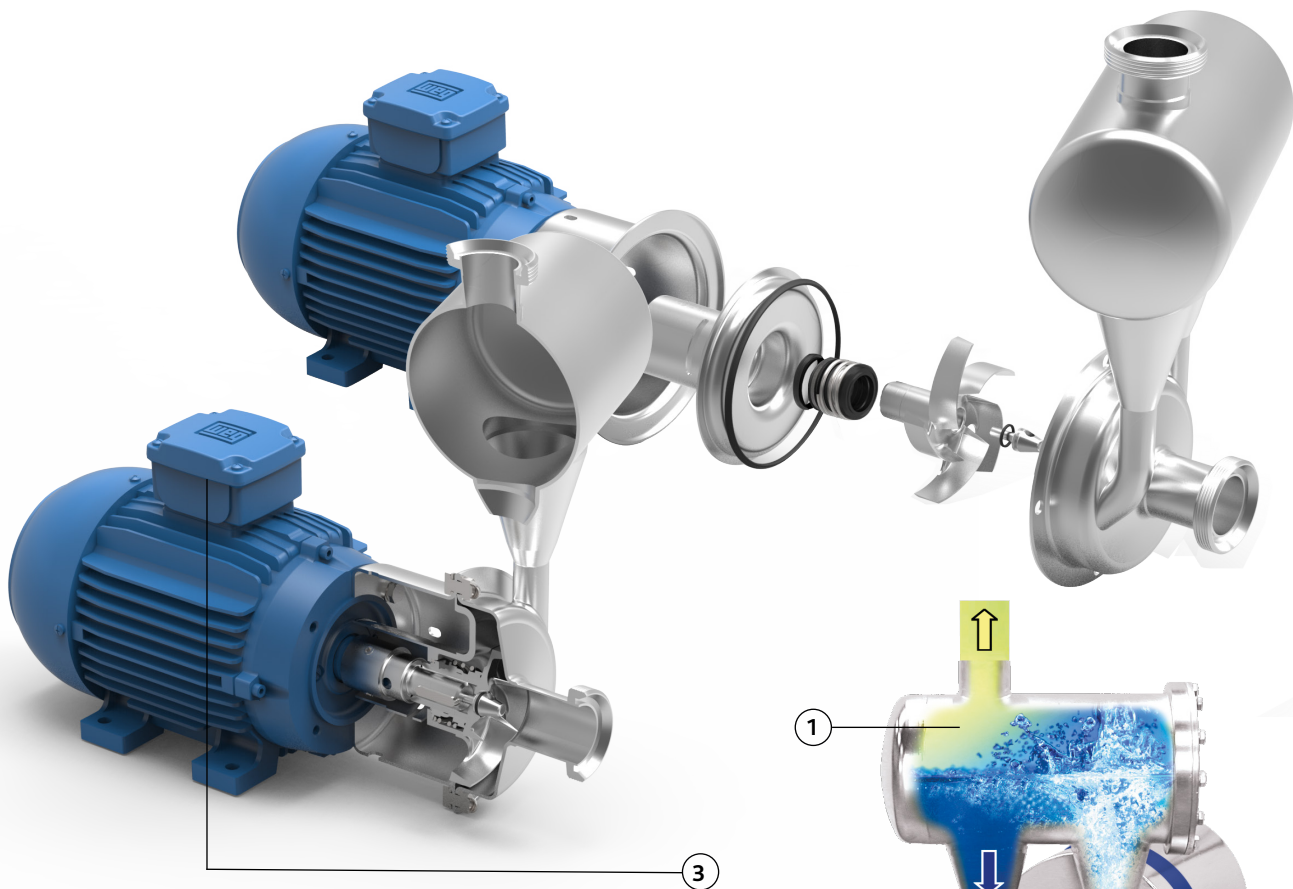# Pump series IRP+

Characteristics

These air handling pumps have stainless steel 316L pump casings constructed in thick cold rolled plate, 100% non-porous and extremely smooth. The pumps have open investment cast impellers, constructed in 316L or duplex materials. Together with an electropolished design the industrial air handling pump series IRP+ are a reliable component into your production process.

Your benefits

- Higher pump efficiency compared with a classic liquid ring pump
- Low NPSH values: less risk on cavitation
- Electropolished: higher resistance against corrosion
- Easy & robust construction, easy to install and easy maintenance: less downime
- Construction without non-return valve
- Easy to install
- 1 mechanical seal diameter for the entire range
- Limited noise level

Application areas

Thanks to its unique air handling design based on a standard centrifugal pump, the IRP+ series are particularly suitable as a IRP+ return pump, as well as for unloading all type of collecting tankers and trucks.

IRP+

1. Unique air handling design with cleanable air separator
2. By-pass to casing taking care about air evacuation
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: Ø 33 mm

Bellow seal

Pump series	IRP+
Performance	
max. flow rate	80 m³/h
max. differential head	75 m
max. inlet pressure	13 bar
max. liquid viscosity	10 cP
max. temperature	140 °C
impeller type	open or closed
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 or similar
mechanical seal configuration	single bellow, single balanced, quench, double, pressurized barrier
available O-ring materials	EPDM, FKM, FEP-FKM, FFKM or similar
pump connections	hygienic fittings
surface finish	industrial, internal welds not hand polished, electropolished
certificates & legislation	FDA Ex EAC

Performance curves for IRP+