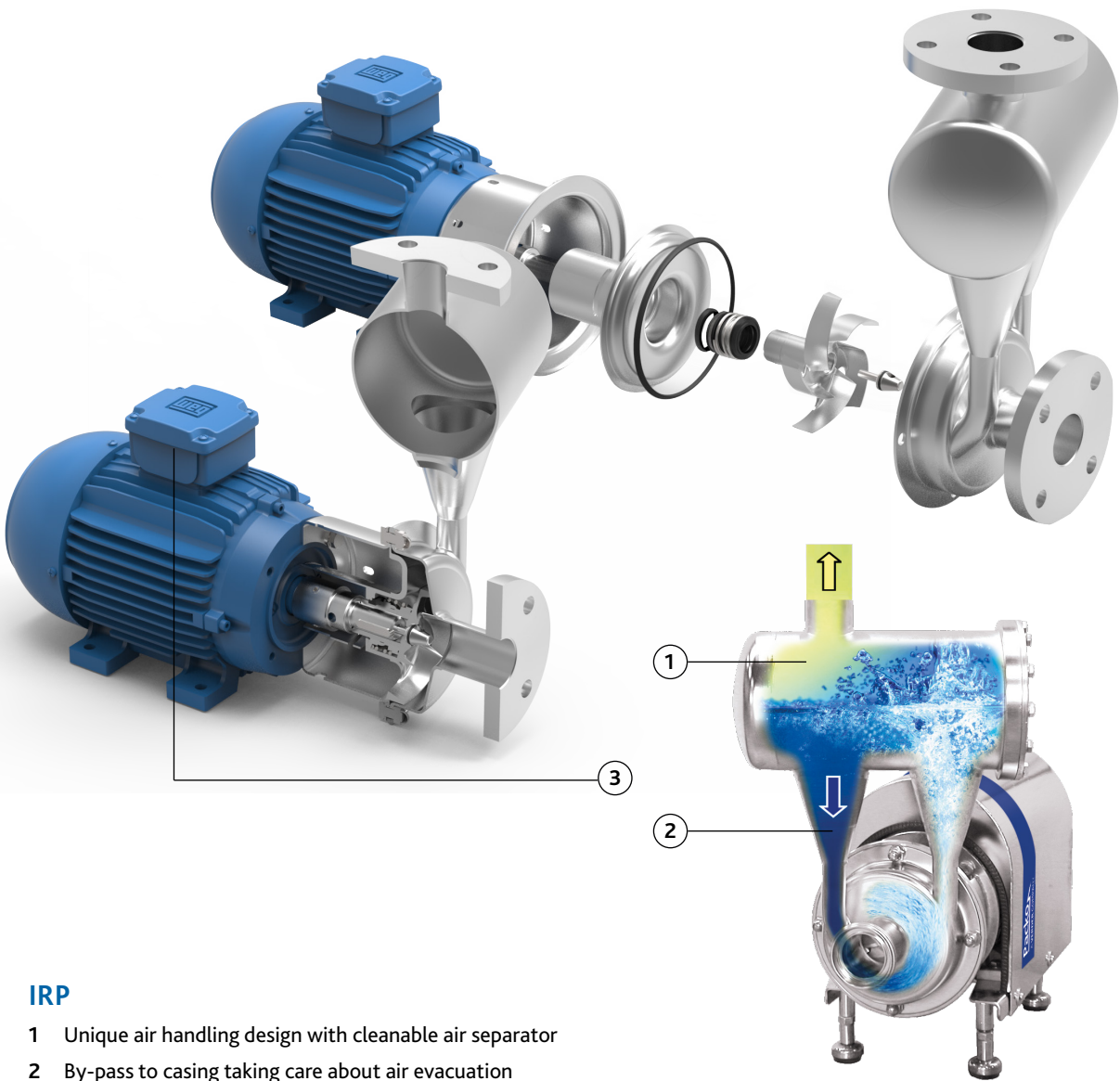


Pump series IRP



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 or closed 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.



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
bellow mechanical seals or balanced O-ring seals
- 5 One seal diameter: Ø 33 mm.
Except for 80-160: Ø 43 mm



Bellow seal

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 downtime
- Construction without non-return valve
- Easy to install
- 2 mechanical seal diameters 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 CIP return pump, as well as for unloading all type of collecting tankers and trucks.

Pump series

IRP

Performance	
max. flow rate	150 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
available O-ring materials	EPDM, FKM, FEP-FKM, FFKM or similar
connections	BSP fittings, flanges according to EN1092-1/01 & 02, ANSI flanges
surface finish	industrial, internal welds not hand polished, electropolished
certificates & legislation	 

Performance curves for IRP

