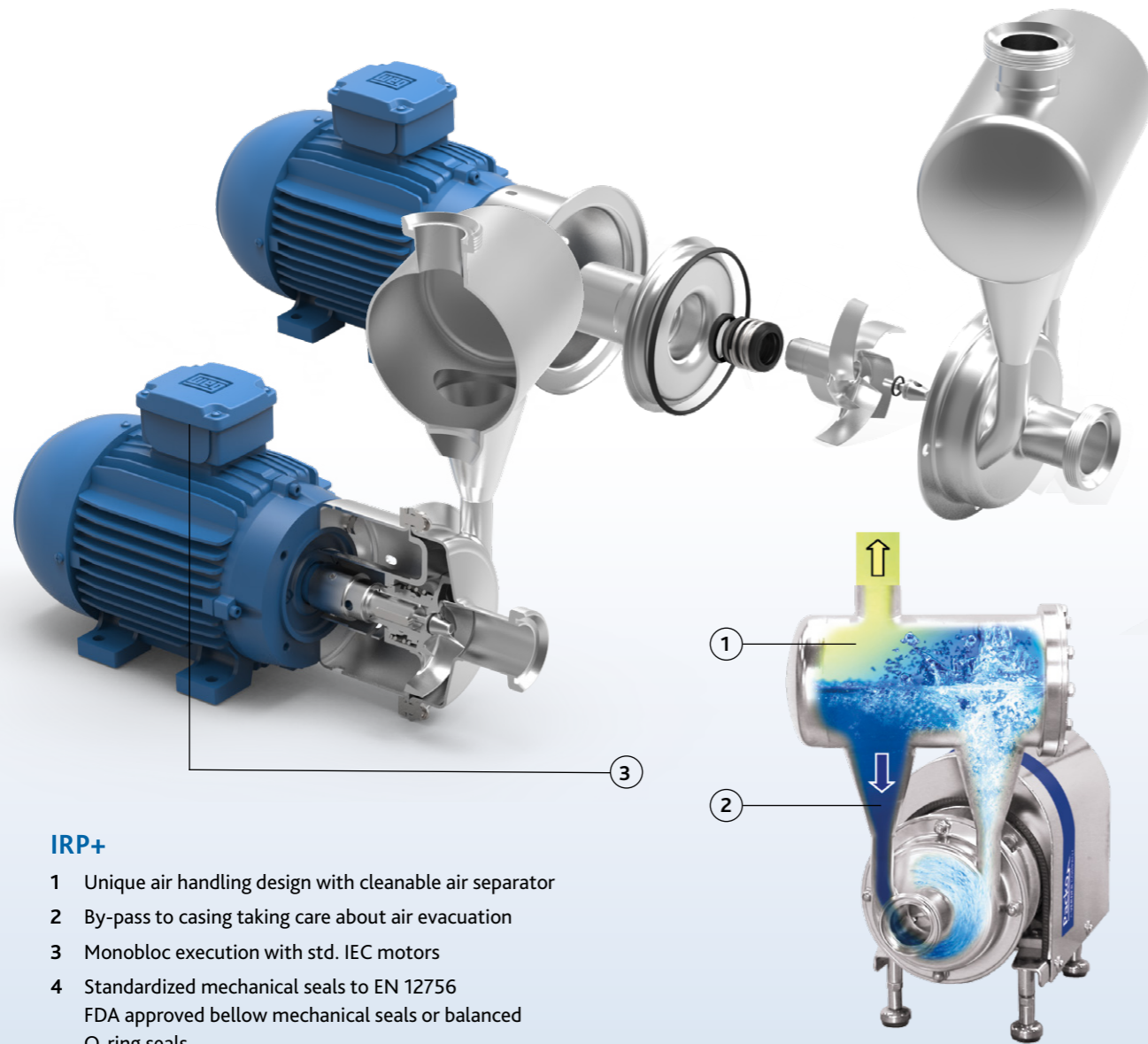


Pump series IRP+



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.



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







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
- 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.

| Pump series | IRP+ |
|---------------------------------|---|
| Performance | |
| max. flow rate | 80 m ³ /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 |     |

Performance curves at 2900 rpm

