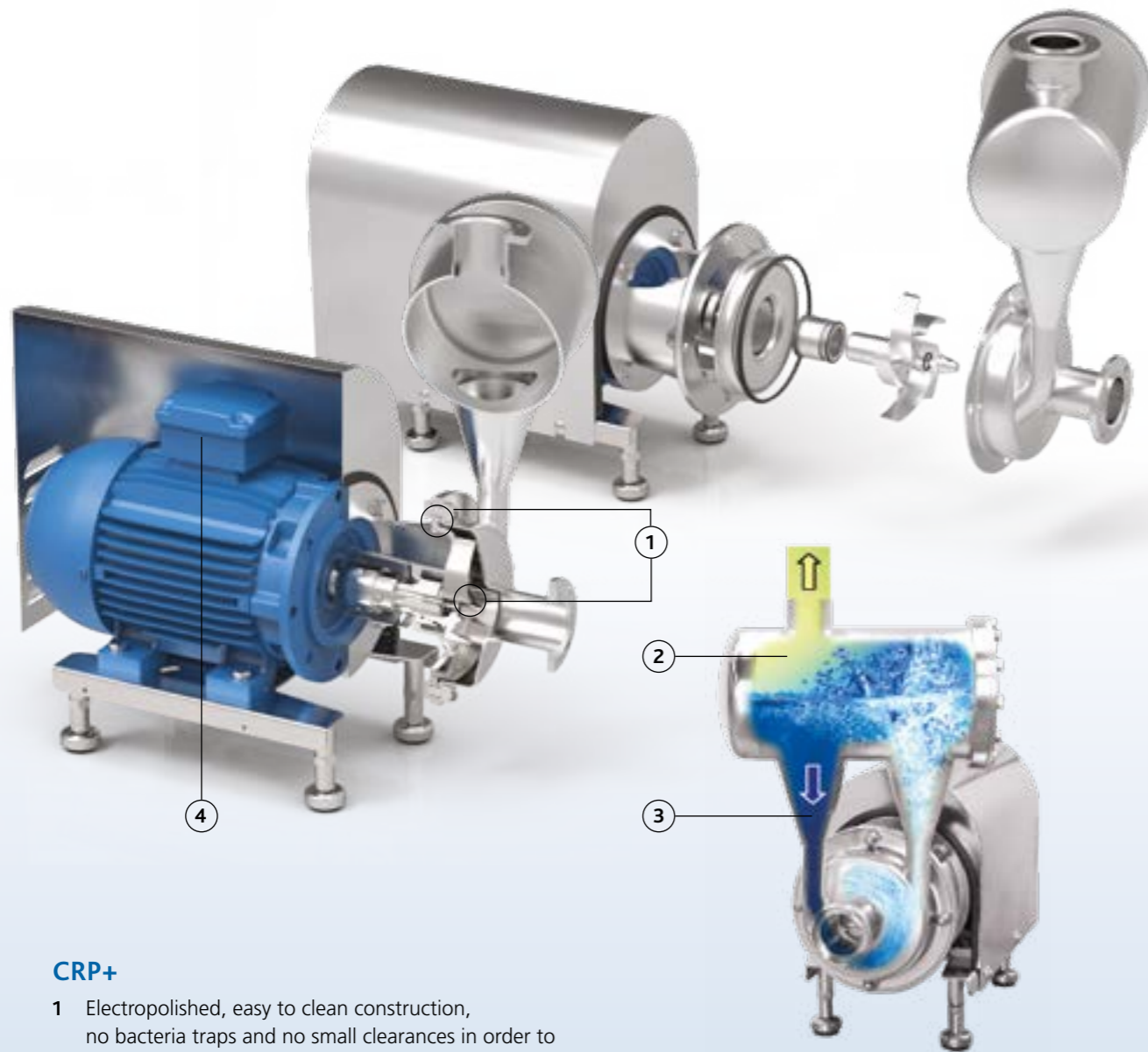


# Pump series CRP+



## Characteristics

The pumps of the CRP+ series are perfectly cleanable EHEDG and 3A certified air handling pumps and are mainly used to pump a mixture of liquid and air. 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. Thanks to its crevice-free design and electropolishing as a final surface treatment, the CRP+ pump series are perfectly cleanable, resulting in a reliable component for your production process.



### CRP+

- 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 Monobloc execution with std. IEC motors
- 5 Standardized mechanical seals to EN 12756 FDA approved sterile O-ring seals (spring not in contact with the liquid)
- 6 One mechanical seal diameter: Ø 33 mm
- 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 construction and easy maintenance: less downtime
- Standard components
- Easy to install
- 1 mechanical seal diameter for the entire range
- Robust construction
- Limited noise level

## Application areas

Thanks to its unique air handling design based on a standard centrifugal pump, the CRP series are particularly suitable as a CIP return pump, as well as for unloading applications.

They are used in the most demanding hygienic applications in almost all industries such as dairies, breweries, beverage industry, distilleries, etc.

In pharmaceutical and biotech industry they are mainly used for CIP return applications.

### Pump series

#### Performance

|                        | CRP+          |
|------------------------|---------------|
| max. flow rate         | 80 m³/h       |
| max. differential head | 75 m          |
| max. inlet pressure    | 10 bar        |
| max. liquid viscosity  | 10 cP         |
| 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 or similar  |
| mechanical seal configuration | single bellow, sterile, quench, double   |
| available material o-ring     | EPDM, FKM, FEP-FKM, FFKM or similar  |
| connections                   | 3A hygienic fittings only  |
| surface finish                | hygienic quality, internal welds hand polished + electropolished (wetted parts 0.8 µm) |

#### certificates & legislation



## Performance curves at 2900 rpm

### CRP+

