

Pump series CRP+

Characteristics

The pumps of the CRP+ series are perfectly 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	CRP+
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
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 for CRP+

