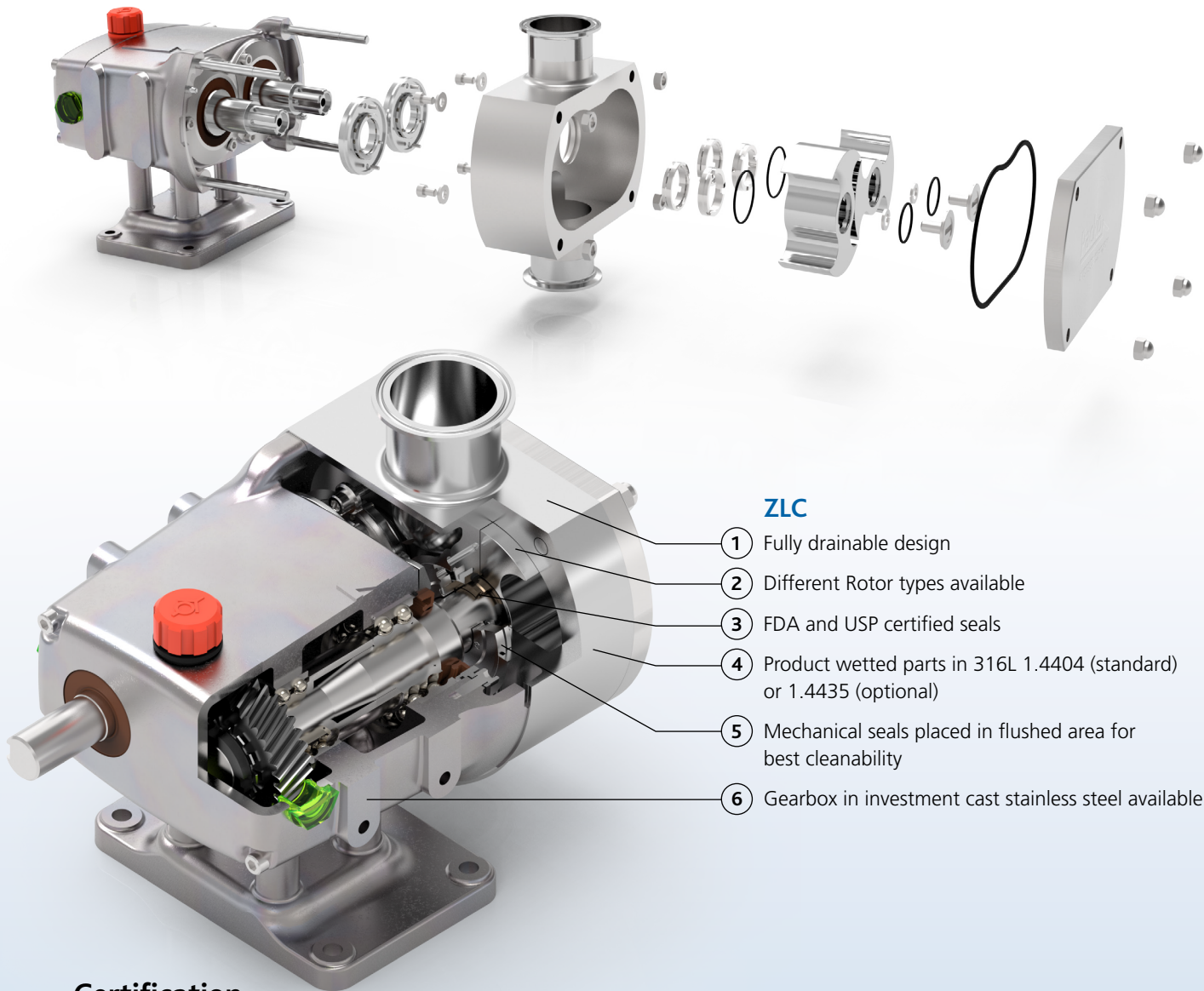


# Pump series ZLC



## Characteristics

The Packo 3A certified pharmaceutical process pumps of the ZLC series are used for the most demanding sterile applications in the pharmaceutical, biotech and cosmetic industry. These perfectly cleanable pumps have their wetted parts in stainless steel 316L , 100% non porous and extremely smooth. Thanks to its crevice-free design and electropolishing as a final surface treatment, the ZLC pump series are perfectly cleanable, resulting in a reliable component into your production process.



### ZLC

- 1 Fully drainable design
- 2 Different Rotor types available
- 3 FDA and USP certified seals
- 4 Product wetted parts in 316L 1.4404 (standard) or 1.4435 (optional)
- 5 Mechanical seals placed in flushed area for best cleanability
- 6 Gearbox in investment cast stainless steel available

## Certification

- 3A
- EHEDG
- Roughness measurement certificate EN10204 3.1
- Performance test certificate EN10204 3.1
- Hydrostatic pressure test certificate EN10204 2.1
- Material certificates EN10204 3.1
- FDA and USP Class VI 121°C certificate
- Delta ferrite measurement < 3% + certificate EN10204 3.1
- Welders and welding certification
- Passivation and electro polishing certificate
- ...

## Your benefits

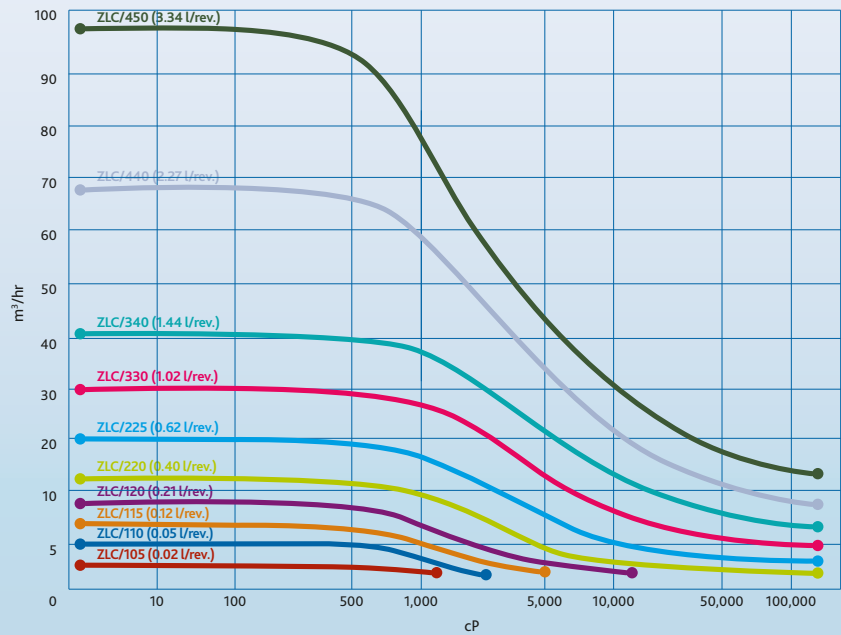
- Fully drainable design
- Electropolished: perfectly cleanable
- Pumps in 1.4435 with delta ferrite < 3% available
- Easy & robust construction and easy maintenance: less downtime
- Fully certified (roughness value, FDA, USP, 3.1 for wetted parts, certificate of conformity, etc.)
- Pneumatic controlled Pressure Relieve Valve available
- Suitable for SIP

## Application areas

The ZLC is the ideal process pump for a wide range of applications, from cosmetic products such as shampoos, gels and personal hygiene products to medical and pharmaceutical substances that require the highest level of safety in terms of handling and hygiene.

Pump series	ZLC
Performances	
Max flow rate	100 m³/h
Max viscosity	1.000.000 cP
Max differential pressure	20 bar
Max temperature	150°C
Technical specifications	
Materials wetted parts	stainless steel 316L 1.4404 (standard) or 1.4435 (optional)
Seal configuration	single, flushed, double mechanical seal
Available material O-ring	EPDM, FKM, FFKM
Connections	sterile connections
Mounting position	horizontal and vertical
Surface finish	pharmaceutical quality, roughness value < 0,4 µm for wetted parts, electropolished, fully certified
Certificates & legislation	

## Pump curves



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