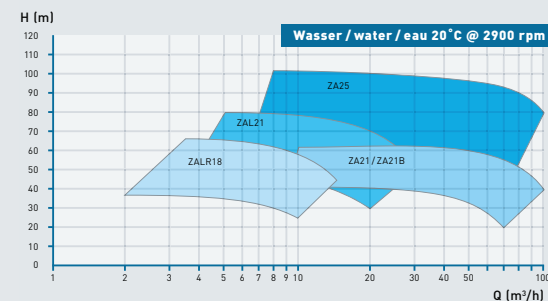
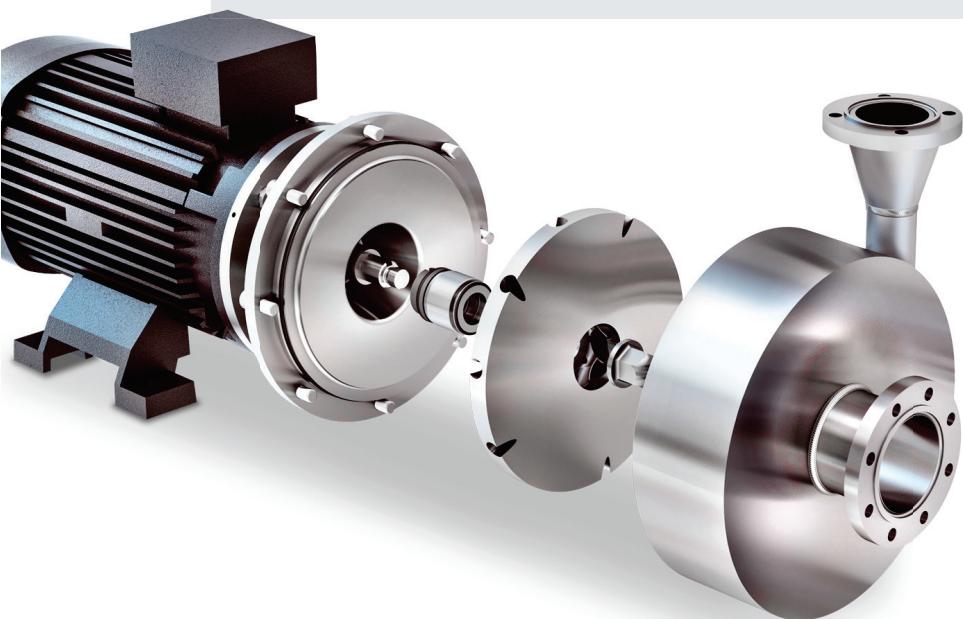




# Centrifugal pump ZA/ZAL

The pump type ZAL with its specially designed impeller achieves a maximum pressure of up to 10 bar with a single stage. It also ensures gentle and quiet product pumping. Due to the steep characteristic curve of the pump it can be controlled well with a frequency converter. The ZA pump is suitable for applications with high flow rates at high delivery pressures.



## Features

- dead space-free design (hygienic design)
- very quiet operation
- CIP and SIP compliant
- simple design/low maintenance costs
- sturdy design comprising high-quality chromium-nickel-molybdenum stainless steel 1.4435 (316L) with electropolished surfaces
- pumping of solids-laden media with no risk of clogging
- ideal for fast temperature changes thanks to sturdy design
- the sturdy design allows handling of abrasive and corrosive media
- option for various mechanical seal systems
- high delivery head with a single stage pump

## Optional forms

- **ATEX**  
for zones 1, 2, 21 and 22
- **pharma design**  
for maximum safety, reliability and hygiene (surface roughnesses down to Ra < 0.4 µm)
- **magnetic coupling**  
hermetically sealed version ZALM and ZAM for crystallising, toxic, flammable and environmentally hazardous liquids
- **vertical installation**  
for simple residual drainage
- **bearing housing**  
for special requirements
- **mobile**  
with sturdy trolley and accessories to customer requirements
- **heatable**  
with liquid or heating cartridge



High-quality materials ensure that the media remains pure.

- Foodstuffs**
- Beverages**
- Pharmaceuticals / cosmetics**
- Chemicals / industry**

Flow rate Q	max. 100 m³/h
Delivery head H	up to 100 m
Temperature range	minus 30°C to 130°C, max. 145°C (SIP)
Viscosity	up to approx. 500 mPas
Nominal pressure	PN10 to PN100