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Pumps • Valves • Service



## Vitacast® – Investment Cast Centrifugal Pump for Sterile Applications



### Applications:

Hygienic and sterile handling of fluids in the food, beverage and pharmaceutical industries

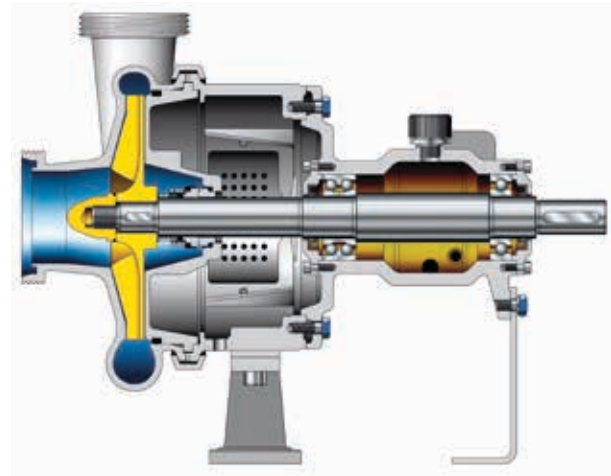
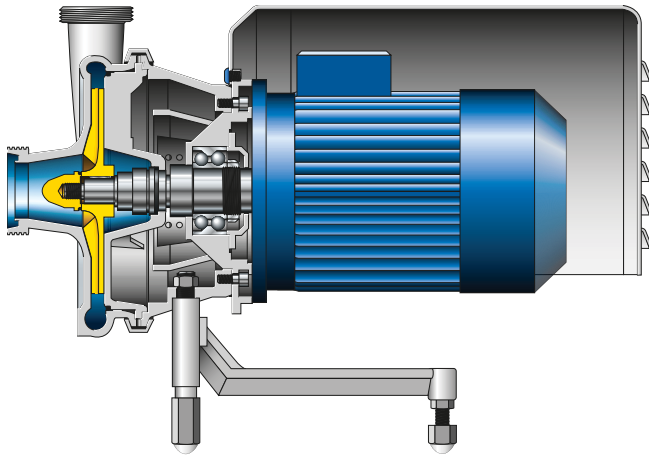
### More information:

[www.ksb.com/products](http://www.ksb.com/products)



Vitacast® in standard design

# Vitacast® – Investment Cast Centrifugal Pump for Sterile Applications



- Suitable for hygienic applications**  
 The zero dead volume design with open impeller and electropolished surface makes the pump perfectly suitable for CIP/SIP.
- Low energy consumption**  
 Optimised hydraulic design and impellers matched to the duty point ensure high efficiency.
- Reliable**  
 Thick casing walls make for robustness, pump shaft in separate bearings ensures smooth running.
- Flexible**  
 Numerous connection options, diverse mechanical seal variants and different material combinations.

- Service-friendly**  
 The pump casing can be opened easily and quickly thanks to the clamping ring connection.
- Versatile**  
 The pump shaft in separate bearings allows for connecting motors to different standards, including variable speed motors.
- Energy-efficient**
  - Variable speed operation in combination with KSB PumpDrive.
  - When used in combination with the KSB SuPremE® motor, the pump achieves efficiency level IE5 to IEC/CD 60034-30 Ed. 2.
  - The KSB PumpMeter monitoring unit identifies the current operating point and measures all key data of the pump.

## Materials

Wetted components	Chrome nickel molybdenum steel DIN 1.4404 / 1.4409 (AISI 316 L / CF3M)
	Some sizes also available made of: - Duplex – DIN 1.4469 - Hastelloy C276

Technical data	50 Hz	60 Hz
	29 pump sizes	29 pump sizes
Flow rate	Up to 540 m <sup>3</sup> /h	Up to 500 m <sup>3</sup> /h
Head	Up to 105 m	
Operating pressure	Up to 10 bar (up to 14 bar on request for individual sizes)	
Fluid temperature	Up to +140 °C Higher temperatures on request	



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