

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

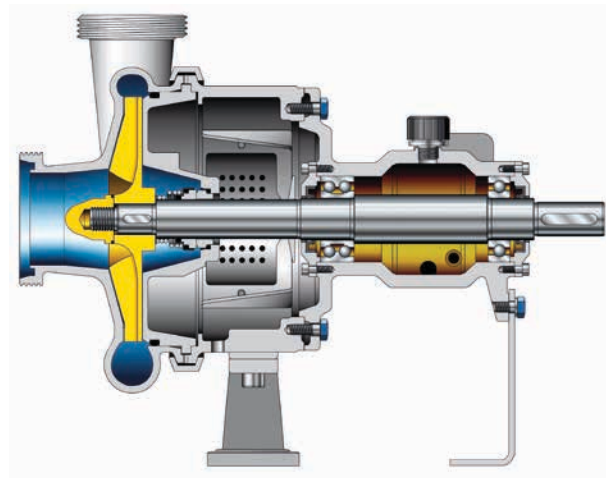
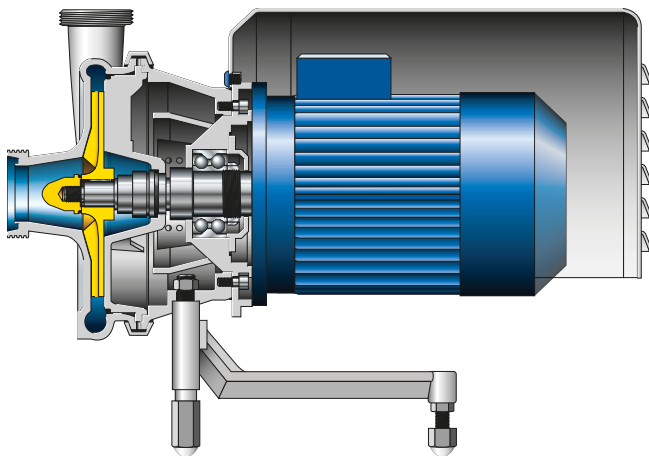


Vitacast® mounted on baseplate (optional)



Intelligent monitoring with KSB Guard: ksb.com/guard

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.
- KSB Guard enables the pump's operating status to be closely monitored – for maximum transparency and efficiency. www.ksb.com/guard

*IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW: IE5 in preparation)

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 m³/h	Up to 500 m³/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	



KSB SE & Co. KGaA
Johann-Klein-Straße 9
67227 Frankenthal (Germany)
www.ksb.com