

FOR SENSITIVE FLUIDS.





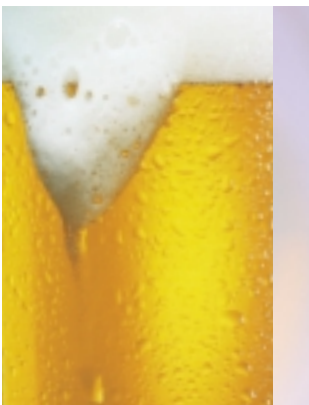
Tradition and Innovation – it is always KSB

KSB experience means over 120 years of developing and building pumps, valves and the systems to go with them.

KSB know-how means matching creative engineering to specific customer demands. And it means combining up-to-the-minute technology with expertise in all the right areas.

KSB experience and know-how coupled with uncompromising

quality assurance in every area – the results are solutions which you can rely on.



High- performance quality you can rely on: Vitachrom®

Vitachrom® meets the stringent hygiene standards for plant components in the food processing and beverages industry.

A key to this is our manufacture of the carefully chosen materials. The pump casing is made of high-grade chrome nickel steel (1.4571). Its excellent surface quality is the result of deep-drawing technology and special polishing techniques.

The pump interior is designed for complete and easy flushing.



Tested and approved

The Dutch „TNO-Nutrition and Food Research Institute“ certifies that Vitachrom® meets the international standards for cleanability and food-quality equipment of the „European Hygienic Equipment Design Group“ (EHEDG). This is also confirmed by the German Dairy Institute in Weihenstephan.

In addition, Vitachrom® meets the hygiene requirements stipulated by the FDA, USDA and 3A standards.



More than just clean: Hygienically safe

CIP/SIP routines are no problem at all with Vitachrom® thanks to its durable materials and its no-dead-volume design.

The same goes of course for the mechanical seals. As well as the well-proven standardised single-acting mechanical seals, standard-dimension tandem

mechanical seals with quench are available. The contact face and seal materials used are physiologically safe and can be matched to the task in hand.

Flexibility of connection thanks to a large variety of flange designs

Gentle and safe media handling

Gentle media handling includes those tricky to handle. A generous casing design and the open impeller with its novel hydraulics mean optimum flow characteristics. Top efficiency and low NPSH are two further advantages. Vitachrom® rigid design combined with reduced axial thrust, which considerably lessens the strain on motor bearings, translate into a high degree of operating reliability and minimum downtimes. Added to that are the pump's low vibration and noise levels.

The different flange designs make Vitachrom® suitable for an enormous range of piping systems and production processes. It can be used up to the following limits:

Q: up to 350 m³/h
H: up to 100 m
t: max. 110 °C (150 °C)
pd: up to 16 bar

Hygienic due to excellent surface quality and flushing of the mechanical seal

Easy on the fluid thanks to the polished surface and open impeller

Corrosion-resistant: motor stool with stove enamel finish or made of stainless steel

Drive flexibility: can be coupled to all commercially available standard motors, including speed-controlled motors

