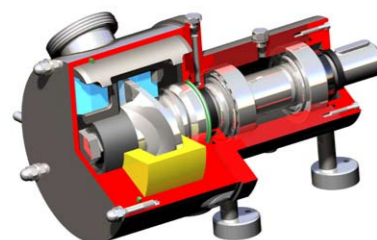


Sinusoidal pumps

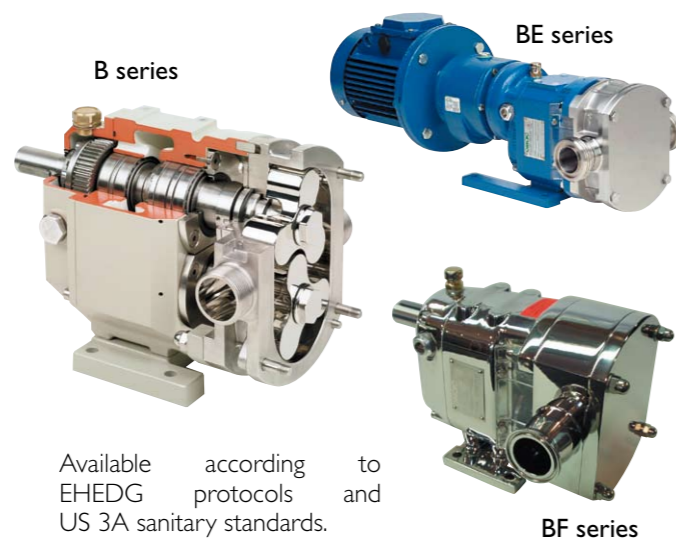


SN series
Sinusoidal pump for transferring of delicate product thanks to a very low pulsation. Ideal for foodstuff and pharmaceutical applications with solids parts in suspension.

Manufactured in stainless steel AISI 316L made from solid bar.



Rotary Lobe pumps



Available according to EHEDG protocols and US 3A sanitary standards.

Dissolvers



Powder and liquid dissolvers. Equipment for dispersion and dissolution of soluble powders and liquids.



Manufactured in various versions with or without tank. Flows up to 70 m³/h.

Steam-Water mixers



Pipe fittings and Accessories

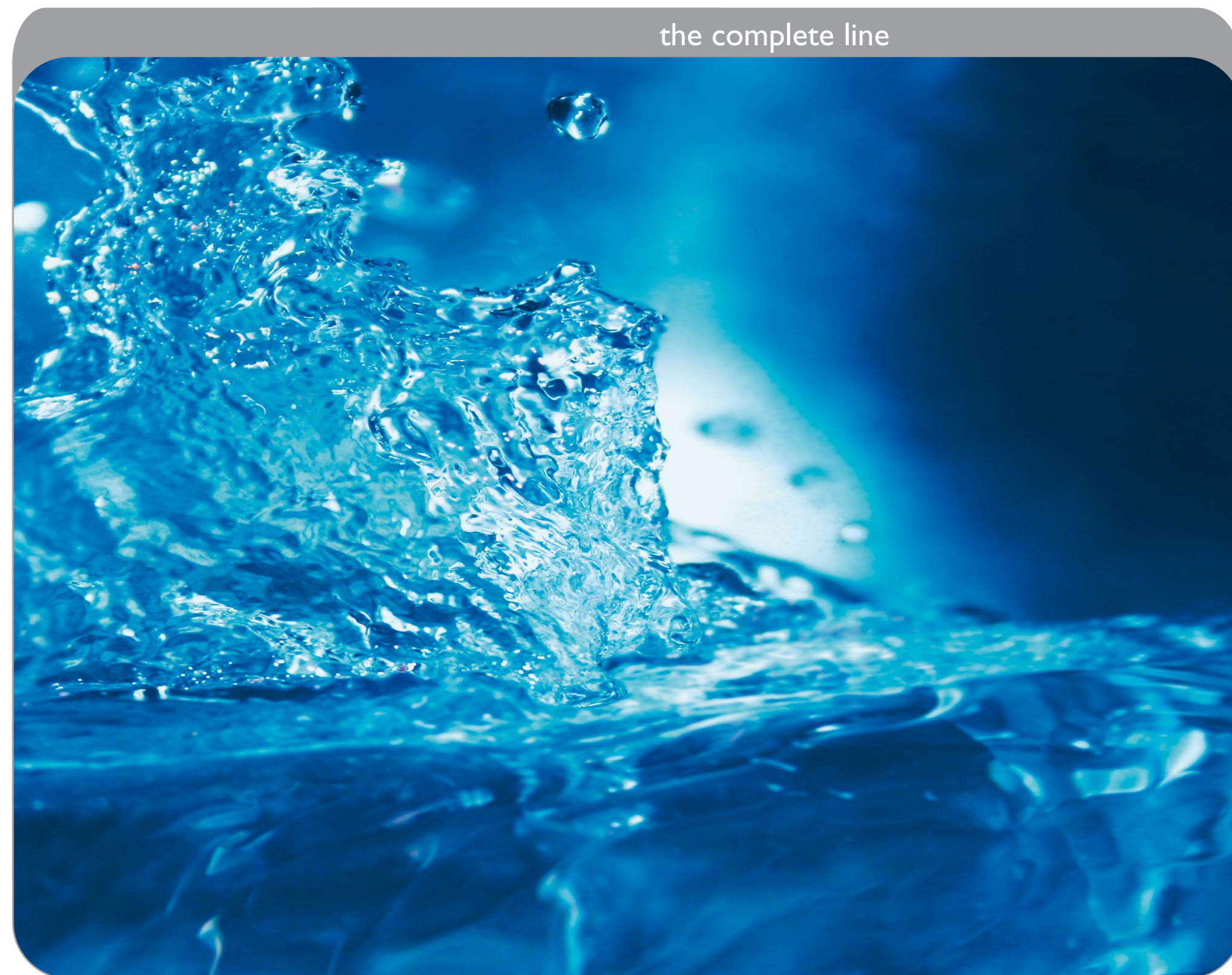


Applications



Pumps and accessories

the complete line



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Pumps and accessories

Centrifugal pumps single stage



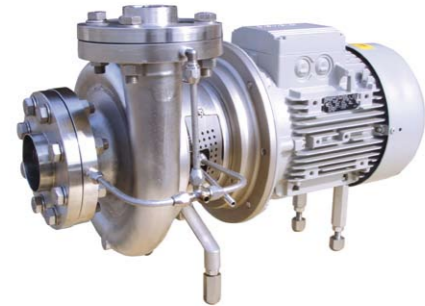
CS - CSX series
Closed coupled hygienic centrifugal pumps with open impellers. CS Series pumps meet the highest requirements of the food, pharmaceutical, chemical and water treatment industries. Wetted parts in CF-3M 1.4404 / AISI 316L stainless steel. Flow rates up to 500 m³/h, heads up to 100 m (10 bar); high performance, with low NPSH values.



CL-CLC series
Conventional food grade pumps, made from forged plate and investment cast components, in a wide range of models with closed or open impellers and 2 or 4 pole motors. Flow rates range from 0 to 100 m³/h, heads up to 70 m (7 bar). Wetted parts are AISI 316 polished stainless steel.



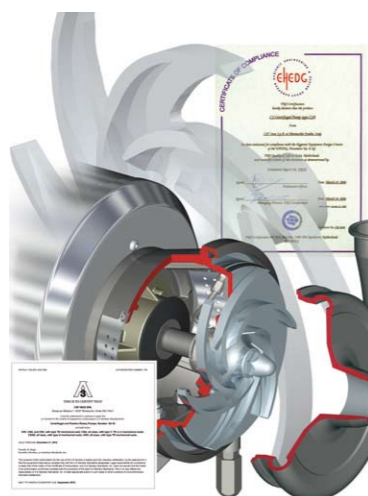
CSK series
Open impeller centrifugal pumps with a separate shaft a support frame containing oil-grease lubricated bearings. Wetted parts in CF-3M 1.4404 / AISI 316L stainless steel, investment cast and electro-chemically polished.



CSD series
Aseptic centrifugal sanitary pumps. For optimal product security, the CSD aseptic series incorporates a steam protection barrier between the pumped product and the external environment.



CN series
Closed coupled single-stage centrifugal pumps. A range of 3 models with open impeller, independent shaft and IEC standard motor. Optimised design to ensure high levels of hygiene, efficient cleaning by CIP and SIP processes, and the absence of product hold-up and dead-legs. Wetted parts are in forged polished plate and investment cast electropolished CF3M 1.4409 / AISI 316L (1.4404) stainless steel.



CR series
The pump is a close coupled design with separate motor. Flow rates range from 0 to 200 m³/h, heads up to max. 25 m (2,5 bar). The CR Series has been designed for very gentle handling of sensitive media at extremely low flow velocities. The ability to handle high solids products in an extremely gentle way makes CR Series pumps ideal for food processing.

CSA series
A series that comes from CS with special equipments and finishes. Polished surfaces with a Ra of 0,5 micron. Designed and approved to the European Hygienic Engineering & Design Group (EHEDG) protocols for ultimate hygiene, as well as to the US 3A Sanitary Standards.

Multistage Centrifugal pumps



CSM series
CSM Series, extremely robust stainless steel pumps designed for high pressure duties with medium to low flow rates; especially suitable for applications with high suction or system pressures. Single-stage and multistage models with up to 4 impellers. Flow rates up to 50 m³/h, heads up to 150 m. Design pressure 40 bar.



CV series
Multistage centrifugal pumps with closed impeller for medium and high heads. Closed coupled design with closed impellers, directly mounted on to the motor shaft. Setting up in horizontal and vertical way for every requirement of installation. Flow rates up to max. 40 m³/h, heads up to 140 m.

Self-Priming pumps



AS series
Self-priming sanitary pumps. A close coupled design with independent shaft support and standard IEC motors. The ability of these pump to maintain a vacuum under varying suction conditions, makes them ideal for applications where the incoming liquid contains gas or air, such as vessel scavenging, the handling of foaming liquids or where the suction pipe is only partially flooded. All CF-3M 1.4404 / AISI 316L stainless steel parts.

A series
Self-priming pumps. They must be initially filled with liquid for the first start-up. All CF-8M 1.4408 / AISI 316 Stainless steel parts. Flow rates up to 50 m³/h, heads up to max. 35 m (3,5 bar) (50 Hz). A Series pumps are suitable for a wide range of liquids (CIP solutions, juices, milk, whey, syrups, oil, wine, water, spirits, chemical and pharmaceutical media).



Serie ASH
ASH Series pumps are approved to the latest US 3A sanitary standards; ideal for systems where compliance to the most strict hygiene regulations is essential. The ability of ASH pumps to repeatedly create a vacuum makes them ideal for applications where air or gas is entrained in the pumped liquid. Perfect for CIP scavenge and duties where the inlet pipework is only partially filled with fluid, including foaming products. Manufactured for a wide range of requirements in the food, beverage and pharmaceutical process sector. This market leading design includes the latest technologies and construction materials. Wetted parts in CF-3M 1.4404 / AISI 316L stainless steel. Special internal finish 0,8 micron Ra. Flow rates up to 40 m³/h, heads up max. 35 m (3,5 bar) (50 Hz).

Progressive Cavity pumps



Well suited for pumping viscous, delicate and abrasive liquids or suspensions with solids. Renowned for their versatility, different models available in a choice of AISI 304, 316 stainless steel or in cast iron. Flow rates range from m³ 0,3 to 130 m³/h, maximum discharge pressures can be up to 24 bar. In vertical execution for drums emptying.



Enology application
Pumps and accessories for enology
Pressing
Transfer of pressed grapes, mash, musts and wine
Recirculation - Decanting
Filling and emptying of barrels

Bottling - Filtration - Refrigeration



Air-Operated Piston pumps



PA - PAR series
Widely used for container emptying, filling and spraying of high viscosity products where easily adjustable flow rates are requested. They are intrinsically safe and well suited for many explosion-risk environments. Wetted parts are AISI 316 stainless steel.



By using the accessories especially designed for all types of pneumatic pumps, you can obtain high levels of adaptability to different uses.



Some of these accessories are set below:
trolleys for vertical lifting manual or pneumatic, fixed and trailer-mounted tripods, flights for emptying the drums.