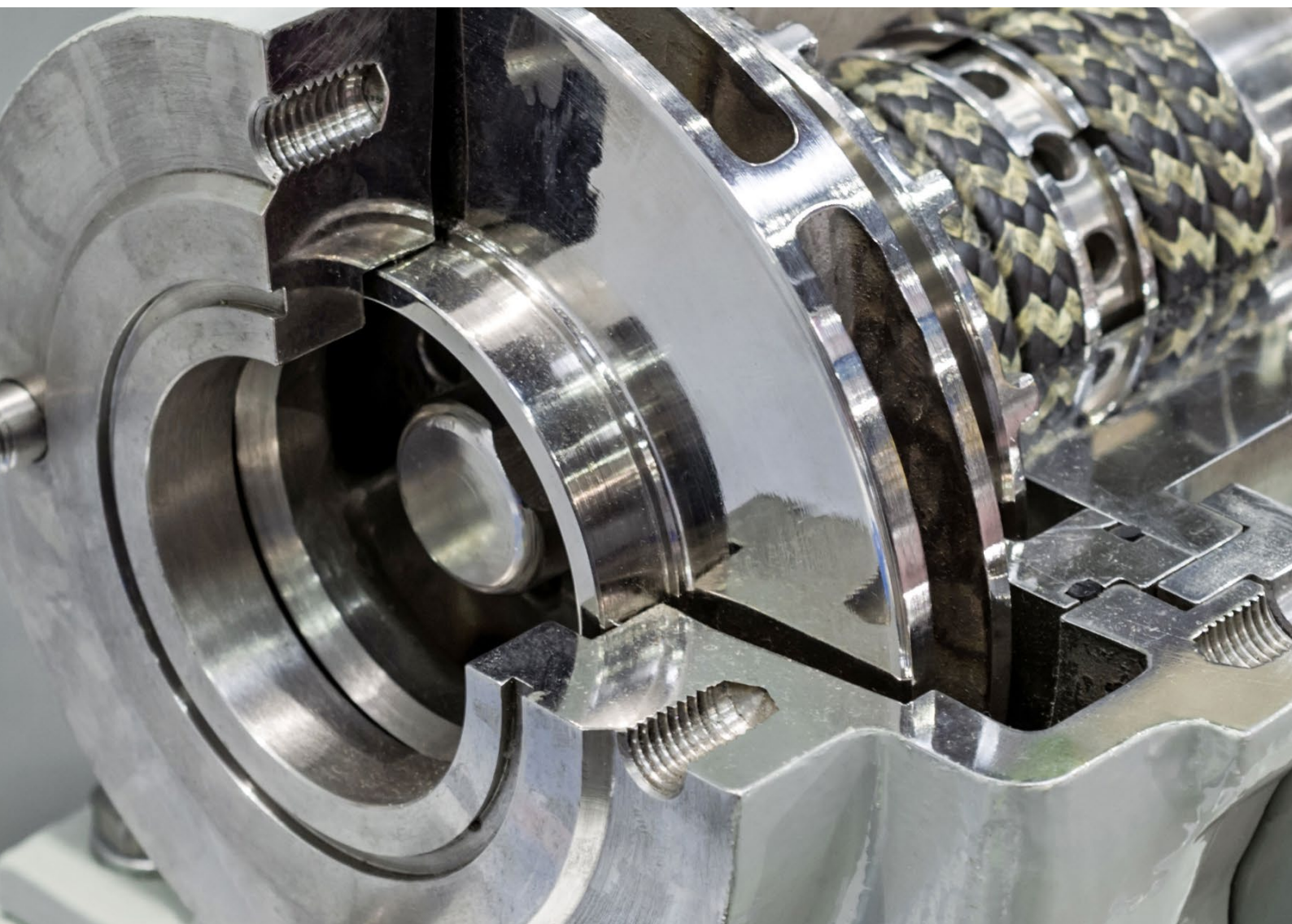

ABB MOTORS AND DRIVES

Efficient operation of sanitary pumps in hygienic applications



Food Safety. Reliability. Quality. Efficiency. Everything counts.

Whether you are producing dairy, meat or poultry, or other products that have to meet rigorous hygienic requirements, our motor and drive solutions will keep your pumps operating reliably while ensuring high quality products and saving energy.

Food safe operation

IEC Food Safe motors with smooth stainless steel enclosures are easy to clean and sanitize, and help to maintain hygiene standards. There is also no need for motor shrouds, which can harbor food particles and allow bacteria to breed.

Reliable pumping

Complying with high ingress protection (IP) standards, IEC Food Safe motors prevent failures in hygienic areas which are due to harsh washdowns/chemicals used. Our remote monitoring service for drives and motors will help you to reduce unplanned downtime.

Efficient pumping

A drive controlled pump saves energy compared to a throttled control system. At the same time a drive allows to monitor the hourly, daily and cumulative energy consumption and see the energy costs, kWh and CO₂ emissions.

Quality pumping

Our drives' anti-cavitation software extends pump lifetime and secures the process by detecting cavitation, ensuring optimal process and liquid flow.

High productivity

Our drives feature a soft pipe filling function which enables a smooth build-up of flow in the pipes, thus increasing the lifetime of piping and pump systems by avoiding pressure peaks and allowing faster pumping.



We have a portfolio of global services to meet your needs

No matter where your sanitary pumps are installed or used, our wide channel partner network and global service is always local. You choose the services that fit your needs, from classroom training to customized Drive Care contracts.





ABB offers a broad portfolio of motors for the food and beverage industry that will help you achieve better efficiency and reliability without compromising food safety.

IEC Food Safe stainless steel motors

IEC Food Safe motors are tailored to applications that need frequent sanitation and specific features:

- Hygienic design – the external surfaces of the motors are self-draining, with no crevices where particles can collect
- IP69 ingress protection and encapsulated windings ensure a longer motor lifetime in tough washdown conditions
- Food grade lubrication
- IE3 premium efficiency to reduce energy consumption and emissions
- Stainless steel motors up to 7.5 kW, standard aluminum and cast iron motors available for higher powers



Variable speed drives enable more efficient pumping, extension of equipment lifetime and cost savings.

- Drives available with IP21 and IP55 protection class
- Low harmonics based on internal choke
- EMC level C2 due to built-in EMC filter
- Safe torque off (SIL 3/PL e) function ensures machine, production and personnel safety
- Compact design for easy installation, commissioning and maintenance
- State-of-the-art assistant control panel, 14 different languages with help functions
- Primary settings and control macros for quick product setup
- Wide range of fieldbus adapters enables connectivity with all major automation networks



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For more information, please contact
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