

DEEPWELL CARGO PUMPS FOR PRODUCT AND CHEMICAL TANKERS

Powering a better future



Solutions for the zero-carbon transition

SVANEHØJ
An ITT Company



THE FUTURE OF LIQUID CARGO HANDLING

Svanehøj is the most trusted and renowned supplier of cargo pump solutions. Our energy-efficient electrical deepwell cargo handling system for product and chemical tankers has demonstrated its effectiveness and reliability globally for decades. Svanehøj Deepwell Cargo Pumps for product and chemical tankers are driven by unparalleled technology and a unique electrical handling system.



Let's electrify your cargo handling

The electrical drive system in our pumps is designed to meet your preferences for monitoring scope, flexibility, and redundancy. Compared to traditional hydraulic technology, the electric deepwell cargo pump system delivers more reliable and efficient performance.

Higher efficiency

Our electric deepwell cargo pump system generally offers higher efficiency, using less energy to achieve the same tasks. This results in reduced energy consumption and lower operational costs.

Significantly less maintenance

Our electrical system requires less maintenance, leading to reduced costs and downtime, and extending the equipment's lifespan.

Minimal CO₂ emissions

Our electric cargo pump system produces significantly fewer greenhouse gas emissions compared to hydraulic systems, making it a more environmentally friendly choice.

Reduced noise levels

Operating more quietly than hydraulic systems, our electrical system minimizes noise, which is beneficial in noise-sensitive environments.

Flexibility in integration

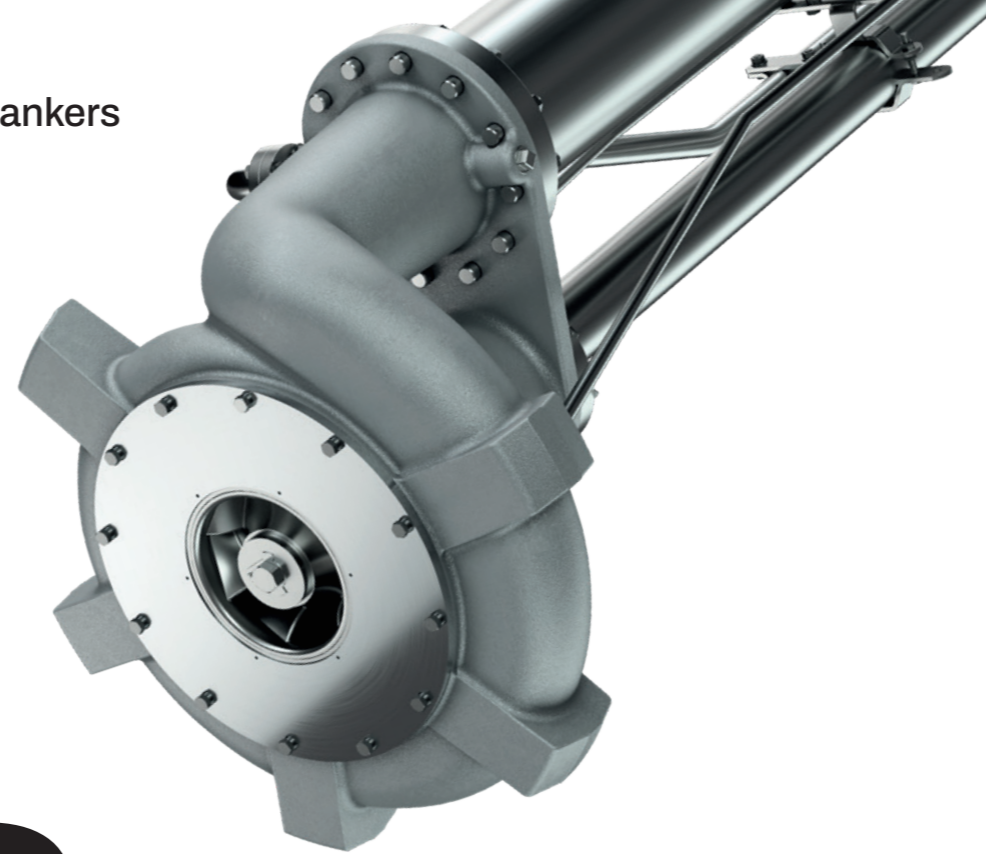
The electric deepwell cargo pump system integrates seamlessly with other onboard systems, offering greater flexibility in operation and monitoring.

Enhanced safety

By eliminating the risk of hydraulic fluid leaks, our electric system improves overall safety and reduces environmental contamination risks.

Future-proof technology

Our electric cargo pump system is designed to meet future environmental regulations, offering 11-25% less power consumption and fuel savings, along with significantly lower CO₂ emissions compared to hydraulic alternatives.



PUMP TYPES FOR EVERY NEED

We offer different types of cargo pumps for product and chemical tankers, which have been designed based on our extensive experience in the marine industry and thoroughly tested in our unique in-house testing tower at our facility in Aalborg, Denmark.

The DL and DW pumps cover capacity ranges from 30 m³/h to 500 m³/h, while the CKL pump range covers a higher range of capacity from 500 m³/h, up to 1800 m³/h. Each pump type consists of:

Electric motor

The electric motor is explosion-proof and weatherproof for safe installation on-deck. The deck arrangement includes base arrangement, integrated lubricating oil tank, upper drive shaft bearing, purging, and stripping connections.

Pipe stack

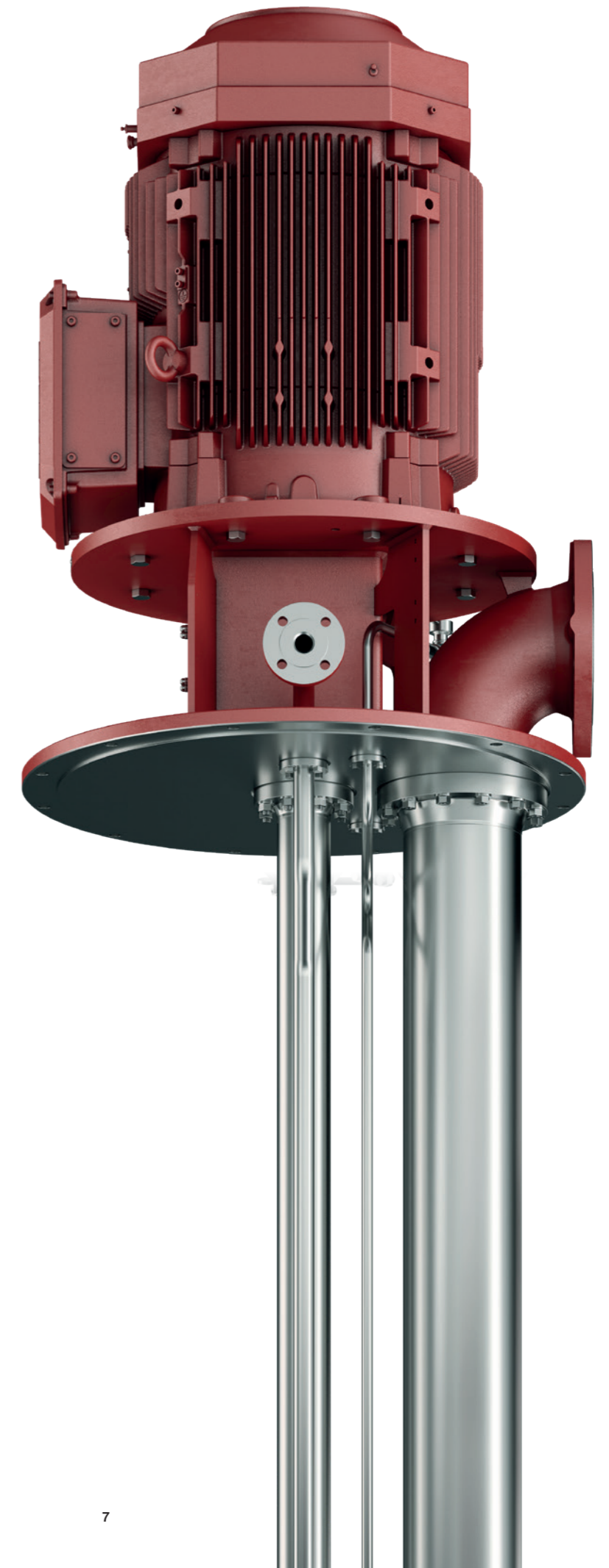
The pipe stack consists of a cargo pipe and an oilfilled drive shaft column with slide bearings. The oil lubricated bearings are held in position by flexible O-rings. The transmission shaft is made of carbon steel alloy.

Pump head

The fully casted pump head has a double mechanical shaft seal, stainless steel shaft, and a ball bearing arrangement. The cofferdam between the two mechanical shaft seals has pipe connections to deck for purging. The casing wear rings are easily accessible.

Additional components

Upon request we offer additional pump components such as a hydraulically-driven portable pump, ballast pumps, multisuction solution for DW and an automatic stripping system for DL and CKL.





Custom-fit pump solutions tailored to your needs

With Svanehøj's electric Deepwell Cargo Pump system you get a complete, flexible and user-friendly solution that meets your specific needs.

Our engineers work closely with you to supply an optimized plug and play system that makes your day-to-day pump operations as simple, time effective, and energy efficient as possible. The electrical drive system is designed to suit your

preferences in terms of scope of monitoring, flexibility and redundancy. In addition, the DW Cargo Pump system can be customized according to your needs and integrated to run other applications on board.



ONE-STOP SERVICE ALL OVER THE WORLD

We are committed to offering the best service in the market, providing continuous advice and support to optimize your pumps throughout their entire lifecycle.

Understanding that time is critical, we pride ourselves on being responsive and available whenever you need us. With a global network of support and service centers, we deliver expert assistance to customers worldwide.

Furthermore, we provide on-site training to help you maximize the performance of your pumps.

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