

# DEEPWELL CARGO GAS PUMPS

Powering a better future



Solutions for the zero-carbon transition

**SVANEHØJ**  
An ITT Company

# WELL-PROVEN GAS PUMP TECHNOLOGY



Whether you're a long-standing partner or new to Svanehøj, we support your journey with solutions that power progress.

For decades, Svanehøj has been a trusted name in the marine industry, renowned for our unwavering commitment to excellence and reliability. Our well-proven DW Cargo Gas Pumps are known for their outstanding quality and consistent performance and have stood the test of time, delivering unmatched value to our customers for many years.

Our success is built on a meticulous engineering approach and strong customer relationships. At the heart of our achievements lies our ability to blend technical expertise with a deep

understanding of our customer's needs, which allows us to consistently exceed expectations and drive growth, ensuring our customers' needs are always met.

# Dependable design – unmatched performance

At Svanehøj we take pride in being flexible and adapting solutions to specifically suit any challenges that a shipowner or a shipyard may encounter.

Our dedicated project team tailors gas pump solutions for all vessel types, from the smallest fully pressurised push barges and dedicated CO<sub>2</sub> carriers to the largest fully refrigerated VLGCs.

Our pumps can handle any type of gas cargo at all temperatures and specific gravities without component changes, including LPG, ammonia, ethane, ethylene, LNG and LCO<sub>2</sub>.

## We offer tailored gas pump solutions for:

- Fully pressurised tankers, cargo at ambient temperature, tank pressure up to 18 bar.
- Semi-refrigerated tankers, cargo liquified by cooling/pressure process down to -104°C.
- Fully refrigerated atmospheric tankers, cargo cooled to saturation temperature (typically -104°C).
- Fully refrigerated LNG carriers and LNG Bunker Barges at (temp).



## Unique leakage protection system

Svanehøj's unique automatic pressurised shaft sealing system is designed for maximum sealing security and protection against leakages.

The system features a double mechanical seal and a pressure booster where the sealing oil is put under pressure both by the cargo tank and the spring, thus avoiding any adjustments by the crew.

This ensures that the sealing chamber pressure is always higher than the cargo tank pressure for maximum protection against cargo leakages.

## Booster Pump for lighter cargos

Our NMB Booster Pumps act as boosters that increase discharging pressure when offloading lighter cargos. It is designed for liquid gas and is installed on fully refrigerated carriers. The Booster Pump is also available in an in-line vertical version.



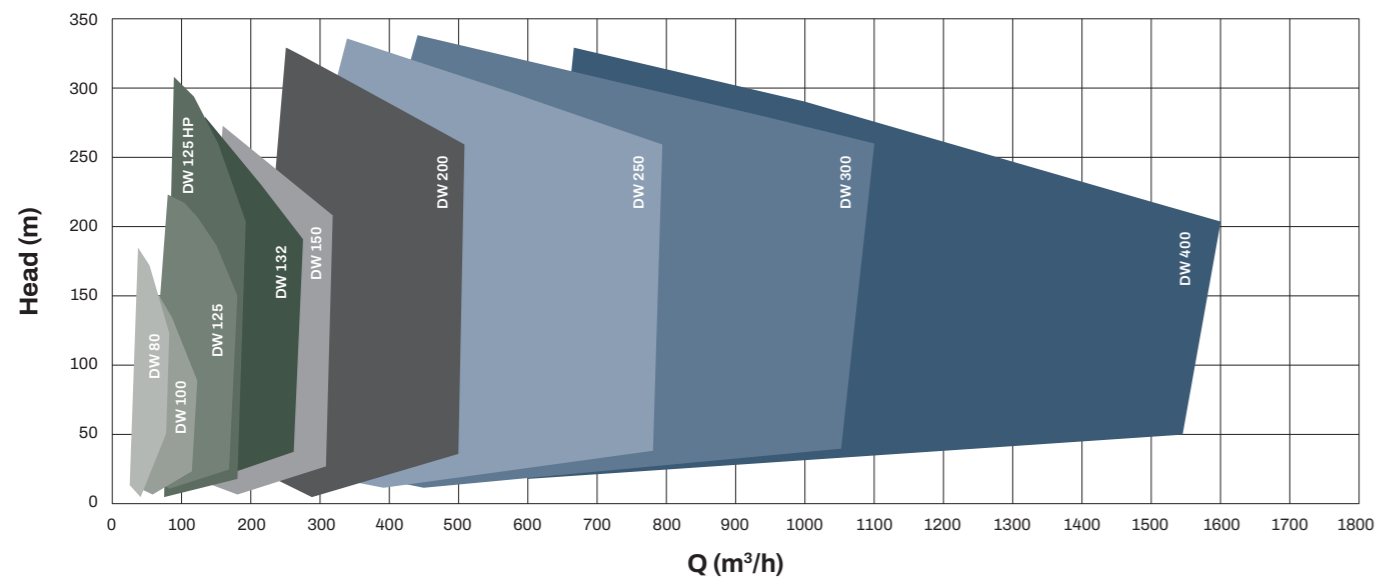
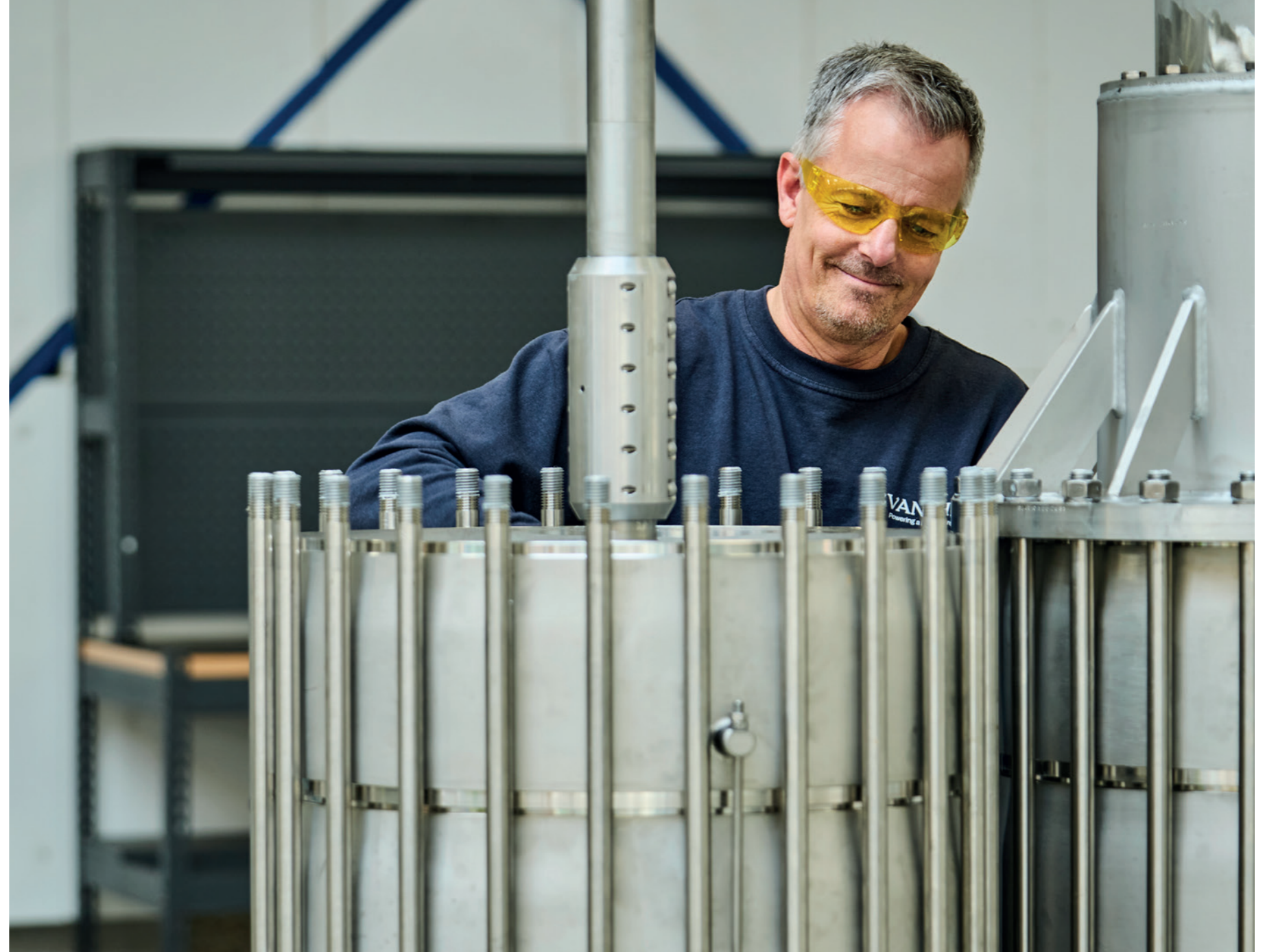
**At Svanehøj we aim to provide innovative and dependable pump solutions that stand the test of time.**

# We make it uncomplicated to adapt to Carbon Capture and Storage

At Svanehøj our flexible product range in DW Gas Pumps is able to handle all types of gas cargo including CO<sub>2</sub>. Several CO<sub>2</sub> carriers around the world are already equipped with a Svanehøj Pump Solution and have been for the last decade which has given us valuable knowledge and experience in producing and servicing equipment for carbon capture and storage.

With our in-depth experience and a proven track-record, we make it uncomplicated to adapt to the fast-growing world of carbon-neutral solutions – helping the world in the transition to a greener tomorrow.

Our pumps can handle all types of gas cargo at all temperatures and gravities without any component changes, including LNG, CO<sub>2</sub>, LPG, ammonia, ethane and ethylene.



# Engineered to handle CO<sub>2</sub>

At Svanehøj we contribute with quality and performance that supports the growing industry of carbon capture and storage.

- The unique design of the Svanehøj DW Pump ensures a low NPSHr and reduces the risk of cavitation and dry ice formation.
- Fully pressurised tankers, cargo at ambient temperature, tank pressure up to 20 bar.
- Semi-refrigerated tankers, cargo liquified by cooling/pressure process down to (-55 °C).



## Unmatched service and support

At Svanehøj, we understand that reliable equipment requires reliable support. Our global service network offers round-the-clock assistance, ensuring that your operations remain seamless and competitive, regardless of the vessel or system.

Our dedicated team combines deep industry expertise with proactive, personalized service to guarantee superior performance no matter the environment.

Our unique combination of services will provide you with fast and proactive problem-solving, lower costs and cooperation with one OEM representative supplier only.

We believe in working closely with our customers, and we strive to build longstanding relations, allowing us to tailor the best possible solutions and to continuously ensure optimised pump performance and efficiency. Whatever challenge or requirements you may face in your operation, our project department will gladly assist you in making the optimal and most cost-efficient choice for your project.

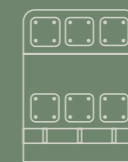
# Svanehøj Service Solutions

Svanehøj Service Solutions delivers worldwide and personalised 24-hour service, all year long. With our fusing global network, depth of expertise, and exceptional response time, we enable you to stay ahead wherever you are.



### Pre-docking inspection

Before your vessel is scheduled to dry-dock, our specialists will board the vessel to inspect the cargo handling system. After a thorough inspection, we will issue a detailed inspection report to make sure the dry-dock is planned in details in regards to manpower, materials, timing and resources.



### Cargo and cooling compressor service

No matter the complexity of your compressor system – and no matter the brand – our specialists deliver advanced maintenance and fast repair, reducing potential downtime to a minimum.



### Genuine spare parts & spare part kits

Svanehøj Service Solutions carry a large number of spare parts in stock for pumps, compressors, valves and instrumentation. This ensures day-to-day delivery and less downtime for you. Svanehøj Service Solutions is the only authorized supplier of OEM spare parts from major equipment suppliers.



### Calibrate measuring equipment

Calibration of measuring equipment – from cargo tank instrumentation to level gauge systems – is essential to ensure correct and optimal performance. Svanehøj Service Solutions provides precise calibration, including documentation.



### Service on Deepwell Pumps

Trained and certified in fast troubleshooting, specialists from Svanehøj Service Solutions are able to provide immediate repairs of your deepwell cargo pumps – both on site and in dry-dock.



### Safety valve service

Svanehøj Service Solutions offers complete service on valves on gas, product and chemical carriers. The service, carried out by experienced specialists in gas, and product & chemical tankers, repairs and testing in order to ensure you safe and efficient operation.



# 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.

Svanehøj Danmark A/S  
Fabriksparken 6,  
DK 9230 Svenstrup J

Tel. +45 9637 2200  
svanehoj@svanehoj.com  
svanehoj.com

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