

Delivering excellent water quality for the safe transportation of live fish

Case Study



**SCOPE**

Butterfly valves and check valves to control waterflow

WHAT

Live fish carrier tanks in a ship

HOW

Bare shafted butterfly valves and check valves

**WHERE**

Norway

**WHEN**

2022

Whether it's a small boat or a large vessel, the global fish industry relies on the safe and humane transportation of fish to ensure that it arrives at the destination port in the best condition. For this project, Watts supplied bare shafted butterfly valves and check valves to control the waterflow in the ship's live fish carrier tanks.



Live fish carriers rely on excellent water quality

Live fish carriers are designed to provide a safe and healthy environment for the fish during transit. The fish are carried in tanks that are carefully monitored to ensure that the water quality is maintained at optimal levels, which is crucial for the health and survival of the fish. These types of carriers are used across the fish industry by commercial fish farms, fisheries, and fish hatcheries to transport live fish to markets or other locations for further cultivation or sale.

Refrigerated Sea Water (RSW) systems are used onboard fishing vessels to preserve large catches of fish in the tanks. It is an effective and cost-saving method of preserving the catch until offloading ashore or further processing onboard. This technology requires the use of complex valves, pumps and piping systems to operate effectively.

Bare shafted SOCLA butterfly valves and check valves were selected for this project for their reliability and the ability of the SOCLA team to deliver the exact valves to successfully meet the technical challenges of both the vessel and the complexity of the tank.

SOCLA Butterfly and Check Valve Benefits

Reliability and robust design are essential for products installed in seawater applications due to the aggressive nature of the environment. Installing a system which works efficiently will prolong the service life of the operational components.

With several million Sylax butterfly valves installed worldwide, this range of Watts products is world renowned for its high quality and excellent performance. The body of the Sylax valves has an interlocking conformation of the seat (tongue and hollow), which helps to keep the liner in place, ensuring good reliability of the valve over time, even in difficult marine conditions. Maintenance operations are also easy to undertake with this set up.



Bare-shaft Butterfly Valve



Butterfly valve with alu-bronze disk



895 double check valve



402B Check Valve

We offer a full range of SOCLA valves for marine applications with DNV certification.





Watts

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Our range encompasses several well-known brands that form a key part of our product offer. Our experienced team can supply everything you need for your project whether it's plumbing or flow control solutions, water quality and conditioning or HVAC you'll find a Watts product that meets your needs with full support available across the entire product range.

Watts Industries Nordic offers a wide range of high-quality products, accompanied by secure deliveries, and supplies Original Equipment Makers and wholesalers mainly in Scandinavia and Europe.

For more information about SOCLA butterfly or check valves please call +45 8652 0032. Or send an email to: wattsnordic@wattswater.com

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