Filtered water and long-lasting components

There’s a lot more in the sea than just water. Unfortunately, sometimes it can have a detrimental effect if raw, unfiltered water gets caught up in your stern tube applications.

Sea water particulates, debris, abrasives – concerns that raw water can bring. But concerns that can be avoided with our Wärtsilä Water Quality Systems.

In order to preserve the stern tube seal and bearings, a high-quality flush water supply is needed. Designed to work with sea water, brackish and fresh water sources, our Wärtsilä Water Quality Systems literally take in the good water and get rid of the bad.

What are the main benefits?

- Water is run through a hydro cyclonic system that automatically discharges debris.
- Full monitoring control panel that allows you to monitor pressures, temperature and water flow.
- The use of dual centrifugal pumps prevents the system from over-pressurising, which limits risk and redundancy.
- Increased component life, reduced wear and maintenance needs.

Our Wärtsilä Water Quality Systems are self-contained, skid-mounted systems controlled by a Programmable Logic Controller (PLC). It controls all instrumentation, purging and alarm generation for faults.

To maintain a regular, clean supply of water, the system is pre-programmed to perform a regular purge cycle of 15 seconds for every 15 minutes of running.