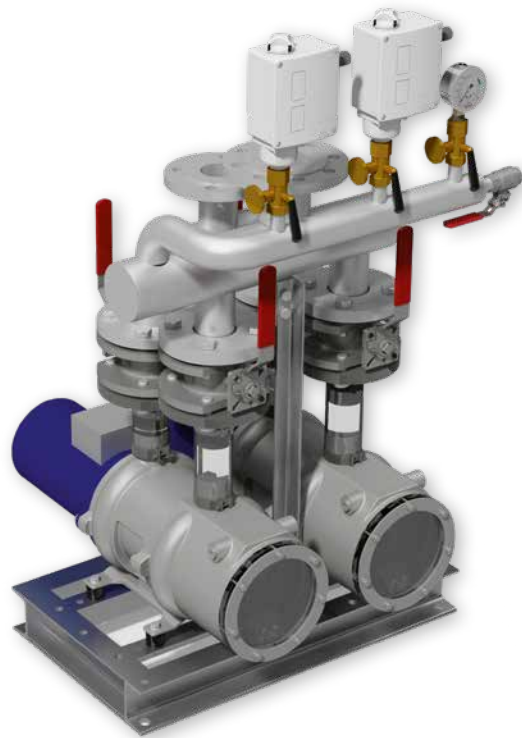


CS-VAC Vacuum Pump Station for CleanSewage-BIO

RWO

Efficient Solution for Sewage Pumping

The CleanSewage Vacuum Pump Station combines energy efficient vacuum creation, sewage maceration and pumping in one compact, skid-mounted device ready for installation on your vessel. The CS-VAC is the perfect match for RWO's CleanSewage treatment systems or any other STP, for new buildings as well as for retro-fittings. It has been developed for customers with a special demand on novel and sustainable sanitary systems.



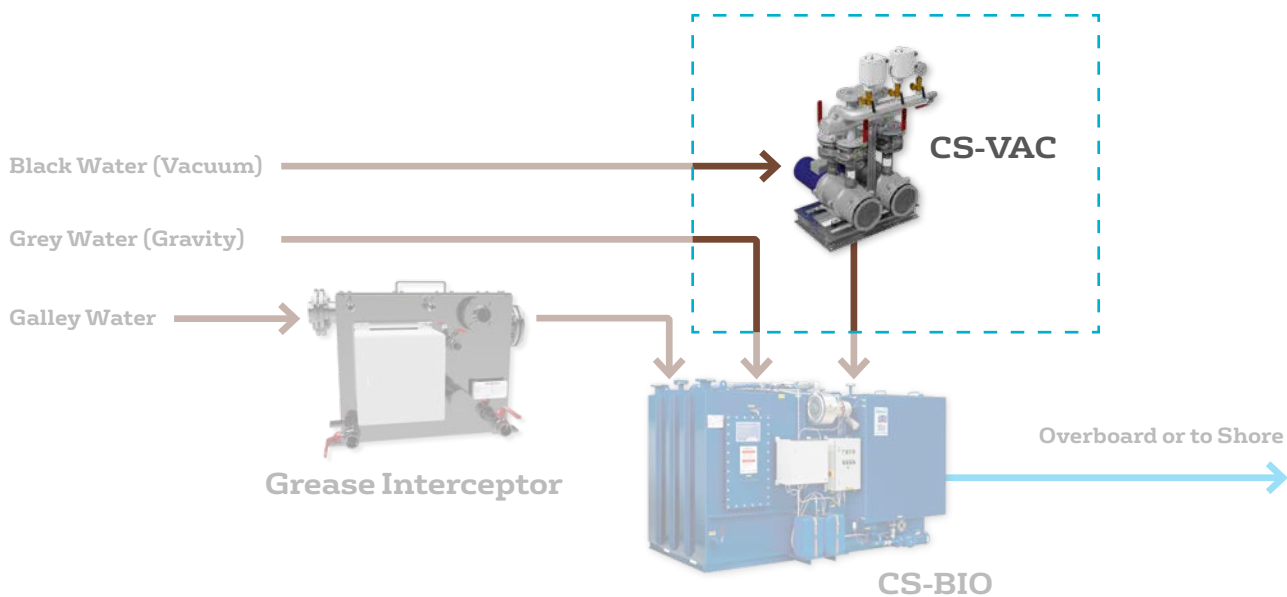
Vacuum maceration pump station for marine sewage treatment plants

How it Works

With its integrated and proven cutting technology CS-VAC is able to pump every combination of grey and black water. Insensitive to plait formation, the system only requires a minimum effort for operation and maintenance. Designed on the general principle of redundancy, the unit ensures a stable vacuum even if the installation on board is not directly close to the sewage treatment plant. An inspection glass at the pump's cutting system allows easy troubleshooting of the vacuum system. The pump station comes already mounted on a foundation with all internal piping, valves and wiring. Process control allows flexible adjustment of the system parameters based on the geometry of sewage collection piping system and user pattern.

Key Features & Benefits

- > Compact, efficient solution for sewage pumping
- > Proven cutting technology
- > Swirler prevents plait formation
- > Easy maintenance
- > Easy troubleshooting due to inspection glass
- > Easy replacement of wear parts
- > Premium energy efficiency IE3



Frequency Hz	Air flow rate m ³ /h @ 0.5 bar	Max. flow rate water m ³ /h @ 2 m	Flushing rate 1/h
50	6	5	120
60	7.1	6.5	150