

HEM Freshwater Treatment System

TYPE FWS CUSTOM (FWT) - 40m³/h

The HEM Freshwater treatment skids type FWS CUSTOM (FWT) are compact self contained units that include a number of water treatment processes.

- 5 micron pre-filtration in stainless steel filter housings containing 7x 20" filter cartridges.
- Active charcoal filters with automatic programmable backwash valve. Regular backwashing ensures minimum back pressure and prevent filter media from compacting.

Silver Ion or Silver & Copper Ion Steriliser

These systems inject small quantities of silver ions into the fresh water to ensure that it is sterilised. They also leave some residual silver in the water to maintain the level of sterilisation. If the pipes are not made of copper, it is also necessary to inject copper ions into the fresh water system to avoid any bio-fouling which can prevent the silver ions from neutralising the bacteria.

UV Steriliser

This is normally the last line of defence or back-up sterilisation to make sure that all bacteria are killed off before the fresh water enters the distribution piping onboard the vessel. The UV will not leave any residue in the water, compared to silver, but will instantaneously kill all bacteria as the water passes through the UV radiation chamber.

Both filters and options are housed in a single SST frame. Depending on the model, the pipework can be either PVC or 316 SST. One of the outlets can be either flanged or any other termination to fit the shipyard's piping.

All internal piping, pressure gauges and valves are pre-installed and tested by HEM prior to delivery.

