

HEM Freshwater Treatment System

TYPE FWS 10400-10405 - 15m³/h

The HEM Freshwater treatment skids type FWS 10400, 10405 are compact self contained units that include a number of water treatment processes.

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

Both filters and options are housed in a single SST frame. Depending upon the model, the pipe-work can be either PVC or 316 SST 1 1/2” with flanged, straub or threaded interfaces for ease of connection to the shipyard’s piping.

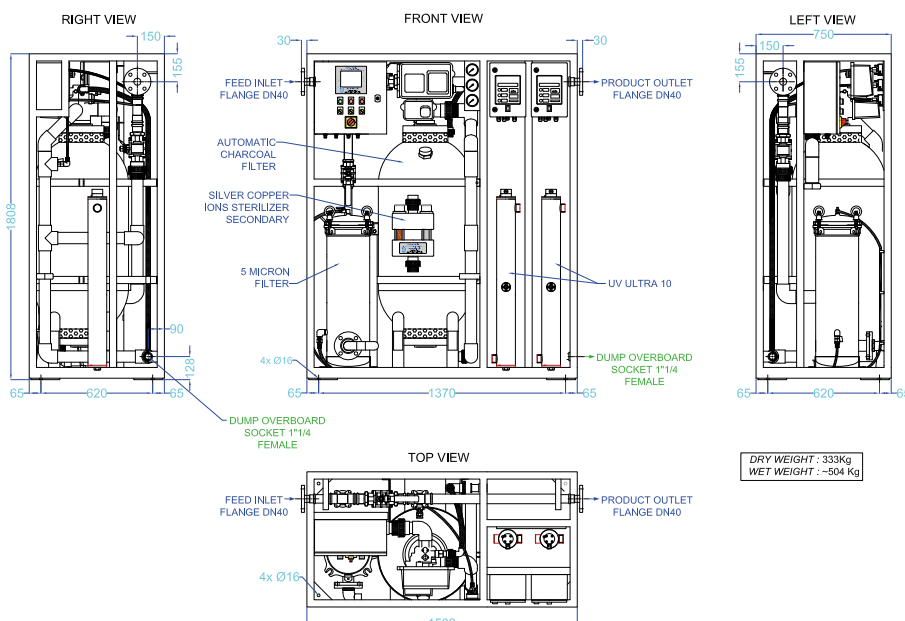
All internal piping, pressure gauges and valves are pre-installed and tested by HEM prior to delivery.

Options

Freshwater Skid Type:	FWS 10400	FWS 10405
Capacity:	15m ³ /H	
Frame Dimensions approx. (LxWxH) in mm:	1500x750x1808	
Options:		
UB Filter 7x20 05µ	x	x
Charcoal Filter	x	x
Silver Ion Steriliser SISB40	x	
Silver / Copper Ion Steriliser Si or Ci or Sci Secondary		x
UV Steriliser Ultra 10	x2	x2



Dimensions



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.