Hamworthy is the world’s leading manufacturer of marine sewage treatment plant. For over three decades Super Trident sewage treatment plants have been widely regarded as standard specification on all vessels.

Plant installed on existing ships on or after 1 January 2010 and on new ships whose keels are laid on or after this date must meet the new IMO MEPC 159(55) guidelines, which are more stringent than the longstanding IMO MEPC 2(VI) guidelines.

The STA-C and ST-C series of Hamworthy plant is certified to meet IMO MEPC 159(55).

An STA-C or ST-C unit is fully compatible with gravity and vacuum collection systems, and uses the activated sludge system, which accelerates natural biological processes. Chemical disinfection and dechlorination are employed to produce a clean, safe, effluent suitable for discharging at sea.

To enable ships to continue discharging black and grey water in especially sensitive waters, where regulations demand tighter controls, Hamworthy have developed a range of MBR (Membrane Bioreactor) plants.

Please refer to your local Hamworthy representative for details on the latest developments in wastewater technology.

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Leaders in marine sewage treatment
The product of many years’ experience in the design and manufacture of marine sanitation devices.

High efficiency
Utilises the extended aeration process - highly developed for marine application.

Automatic control
Unattended operation, minimum maintenance.

Compact design
Compact modular construction, suitable for between deck installation.

Safe operation
Unaffected by ship’s motion.

Flexible operation
Suitable for use with conventional gravity and vacuum sewage collection systems.
ST-C Series

Features
1. Raw sewage inlets
2. Returned activated sludge (R.A.S.) calibration point
3. Visual indication pipe for returned activated sludge
4. Filter screen
5. Vent
6. Settlement compartment inlet
7. Settlement compartment outlet device
8. Pipe for sodium hypochlorite
9. Contact compartment inspection hatch
10. Contact compartment
11. Emergency overflow
12. Float switches
13. Air blowers
14. Pipe for sodium bisulphite
15. Filling connection
16. Discharge pumps
17. Sample points
18. Pump discharge
19. Control panel
20. Air diffuser assemblies
21. R.A.S. air flow meter
22. Aeration compartment
23. Settlement compartment

For operating principles and detailed specification refer to data sheets HWS0066 & HWS0067
<table>
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<th>Model No.</th>
<th>Certified* (Litres/Day)</th>
<th>Dimensions (mm)</th>
<th>Weight Full Kg</th>
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* UK IMO Certificate

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