

# HEM Silver Ions (SI) Steriliser

The HEM SI Steriliser utilises state-of-the-art ionisation technology and effectively supersedes UV systems.

UV-based units are not accepted as a sole means of sterilisation due to their inability to leave a residual sterilising effect in the water system. Installing a secondary SI steriliser after the charcoal filter extends the residual sterilising effect to the distribution piping. The HEM SI Steriliser can easily be upgraded to a HEM Silver and Copper Ion Steriliser at a later stage with only minor modification to the settings.

If a charcoal filter is installed at the outlet after the tanks a lot of the silver ions will be retained in this filter and the ship's pipework will not be adequately protected. Therefore the system is designed with two sets of electrodes, one "Primary" for the pipe going to the tank, and one "Secondary" for boosting the level of ions after the charcoal filter. If a charcoal filter is not installed, only the primary system is required.

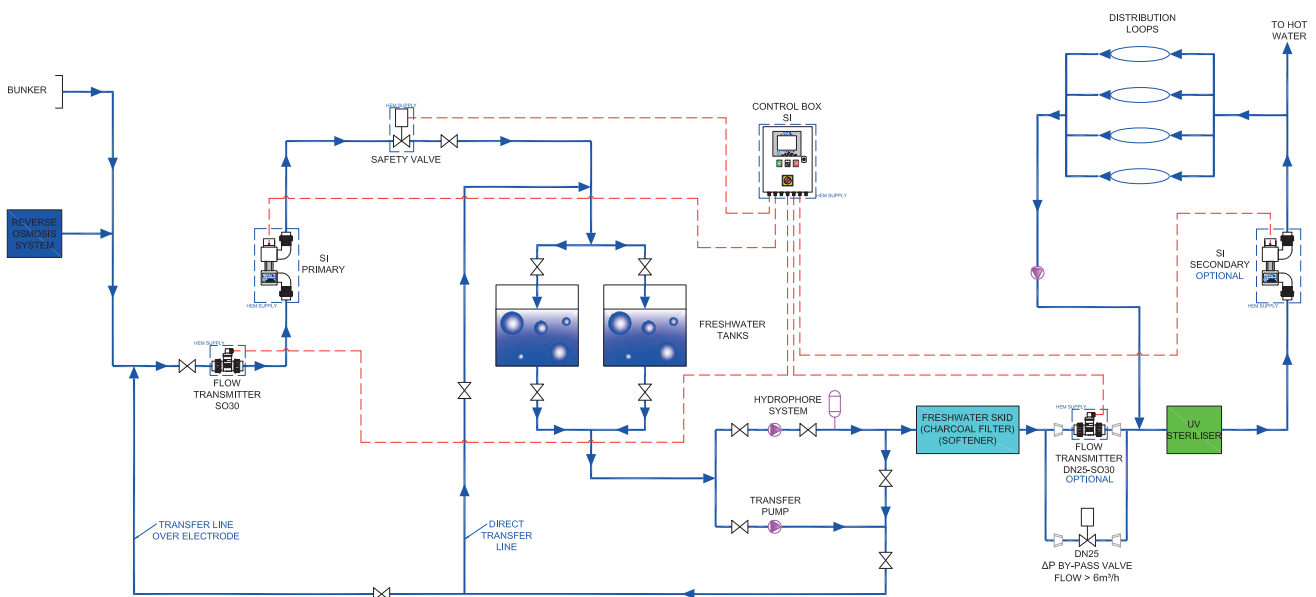
HEM offers primary dosing or primary and secondary dosing with the HEM SI Steriliser.

## SI-5P

- Primary silver dosing
- Capacity 5 m<sup>3</sup>/h
- Easy to upgrade to Silver & Copper Ion Steriliser (SCI)

## SI-5P-5S

- Primary and secondary silver dosing
- Dosing post charcoal filter
- Residual sterilising effect in distribution piping
- Easy to upgrade to Silver & Copper Ion Steriliser (SCI)



**NOTE:**  
Maximum flow through 1 electrode chamber is 5m<sup>3</sup>/h, if a higher flow is required additional chambers can be added adding 5m<sup>3</sup>/h of flow capacity everytime.