

ER-40 DI WATER TWIN SET

This filter has been designed and manufactured for marine applications to produce demineralised water. It's resin content is consist of both Cations and Anions. Cation resin replaces all positive ions by hydrogen H⁺ and Anions resin replaces negative ions by hydroxide OH⁻. As a result hydrogen and hydroxide generates pure water H₂O. With salt content and the conductivity at 0.05 µS/cm and silicia content at 0.02 µS/cm. Filter bottels hold 40 litres resin and their capacity is 250 – 900 liters/hour



IMPORTANT

The maximum recommended working pressure is 8 bar (120 psi).

This filter is designed for a maximum working pressure of 10 bar (150 psi).

The system has to be frost protected. Temperature range 1 °C – 50 °C.

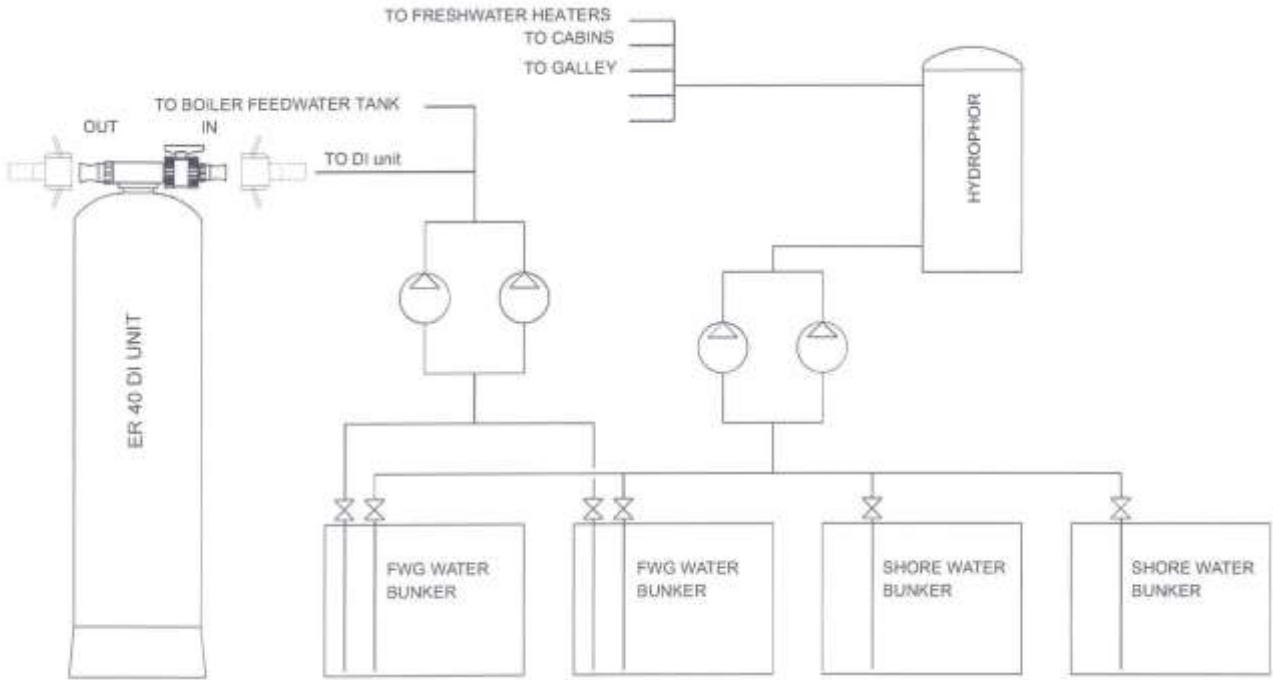
Temperatures under 4 °C is not suggested.

Spare resin can be stored between minus 10 °C – 60 °C.

The mixed bed resin is a polishing resin, to produce ultra pure water from evaporator water as supply. Check the output water quality frequently!

The maximum allowable conductivity: 750 µS/cm. The pureness of the produced water depends on the supplied water quality and the flow velocity through the filter.

Install a pressure relief valve in your system if there is no effective control of maximum line pressure.



SUPPLY WATER QUALITY		Approximate production capacity	
		In Liters	In m ³
Conductivity in $\mu\text{S/cm}$	Chlorides in PPM		
1	0,3	750000	750,0
2	0,6	375000	375,0
5	1,5	150000	150,0
10	3	75000	75,0
20	6	37500	37,5
50	15	15000	15,0
100	30	7500	7,5
250	76	3000	3,0
500	152	1500	1,5
750	227	1000	1,0