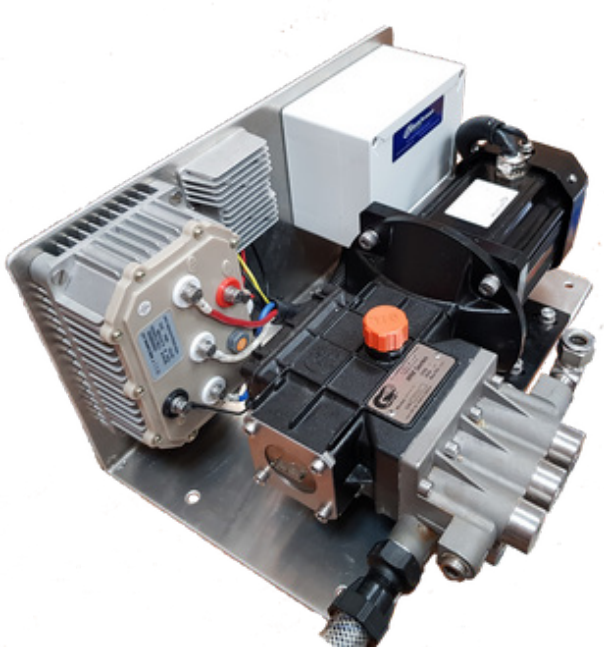
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Open Ocean Modular Water • Quencher Series

# QUENCHER
# 12V DC High Output

## Quick Start



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# 1. Start Up

## Before You Start

- The 5 micron filter is installed in the seawater filter housing.
- The pickling valve is in the horizontal position.
- The pressure regulating valve is set to OFF.
- The sample/tank valve is turned to 'Sample'.

Never leave the sample/tank valve in the mid position. The valve must always be on either 'Sample' or on 'Tank'.

## Turn on the boost pump

- Turn on the boost pump and wait 30 seconds.

## Turn on the high pressure pump

- Check for a steady stream of water from the overboard discharge.
- Wait two minutes to clear any remaining air from the system and membrane.

## Increase to operating pressure

- Slowly turn the pressure regulating valve from OFF to ON while monitoring the gauge. If the pressure fluctuates, there's probably air in the system — back the pressure off to let it purge through the discharge.

**Never allow the pressure to go over 850 psi.**

## Check the product water

- Allow at least 60 seconds before testing product water quality at the sample outlet.

## Fill tanks and monitor

- Turn the sample/tank valve to 'Tank'.
- Periodically check the pressure gauge to ensure pressure stays constant at 800 psi.

**Decrease the pressure if operating the system in water of reduced salinity. It's important that product water doesn't exceed the specified output — operating the membrane outside its limits will severely shorten its lifespan.**

## 2. Shut Down

1. Turn the sample/tank valve to the Sample position.
2. Turn the pressure regulating valve to OFF. (Product water at the sample outlet will stop flowing, and the valve is ready for next time.)
3. Switch off the high pressure pump.
4. Switch off the boost pump.
5. Unscrew the seawater filter housing and remove the filter element. Clean it in fresh water and swap in a cleaned or new element. Reinstall, fill with water, and hand-tighten the housing. (Keep two filter elements in rotation — one in use, one drying in the sun to sterilise it — alternating at every clean.)
6. Turn on the flush system switch and run it for two minutes (or one cycle on an automatic flush system) until all seawater is purged overboard. The boat's freshwater pump will run during this process.

**You must flush the system every time you use your watermaker. If you're leaving the watermaker for more than 10 days, pickle it or run another flush cycle — see the pickling section in the manual.**

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