

DC Electric Portable

Quick Reference Card



(READ OPERATION MANUAL FOR FULL INSTRUCTIONS AND WARNINGS)

Set Up

- 1 Place system level, no more than 2m (6ft) above water line
- 2 Remove all hose caps
- 3 Connect black high pressure hose to pressure supply unit (PSU)
- 4 Put intake hose and green brine output hose into source water
- 5 Keep white product water hose on deck
- 6 Open pressure control valve
- 7 Connect power cable. Voltage at Anderson plug should be 12.5V or 25.0V, depending on model. Battery should be capable of providing 40 amps (12V system) or 30 amps (24V system).

Operating Watermaker

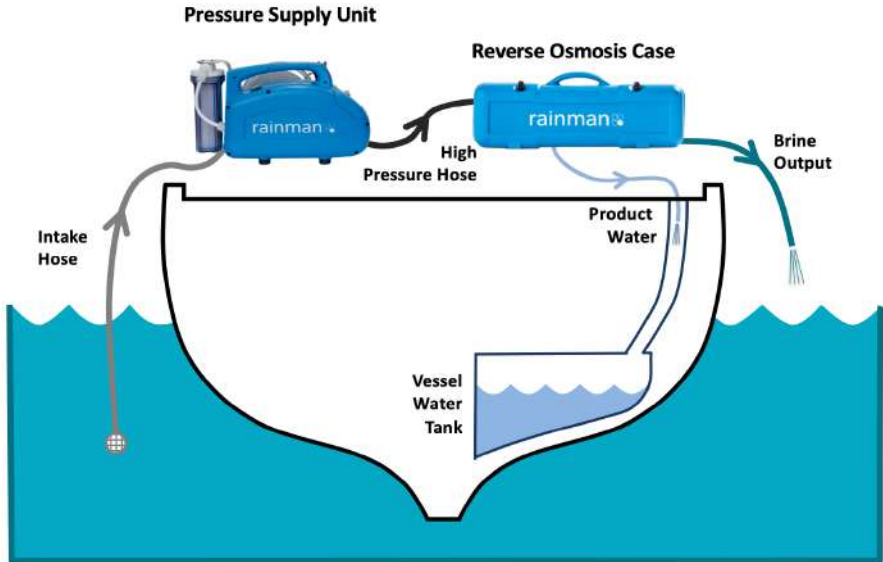
- 8 Switch on PSU
- 9 Water flows from green brine output hose
- 10 Wait until stream from green hose is completely bubble free
- 11 Slowly close pressure control valve to 55 bar (800psi)
- 12 Let product water flow for 60 seconds, or until taste is pure
- 13 Place white product water hose in tank to fill

Shut Down

- 14 Remove product water hose from tank
- 15 Open pressure control valve to release pressure in system
- 16 Switch off PSU

Freshwater Flush and Pickling

- 17 After filling tank, fill bucket with 10 litres (2.5 gallons) water
- 18 If system is to be stored, add 3 tbsp sodium metabisulphite
- 19 Stop motor, move intake hose to bucket, start motor. Keep the pressure control valve wide open.
- 20 When bucket is almost empty, switch off watermaker



Some Important Warnings



- ✓ Never allow the system to run without intake being submerged as this damages pumps
- ✓ Never run city or tap water through system as the chlorine can damage the RO membranes
- ✓ Never exceed 58 bar (850psi) in the system
- ✓ Never run with caps on hoses
- ✓ Always pickle the RO membranes if storing system for prolonged period
- ✓ Never place pressure supply unit or power cables where there is a risk of getting wet
- ✓ Change prefilter regularly
- ✓ Change lift pump impeller annually or after being pickled more than six months