

AC CRUISE

D60 & D100

NAVIGATOR / AUTOMATIC PRESSURE CONTROL / 230 / 120 V AC

60 or 100 litres/hour



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Commissioning and operation

Procedures and guidance for operating your watermaker.

02 Before starting

04 Stop without rinsing

06–07 Micro Remote and LEDs

03 Starting

05 Stop with rinsing

08 Prefilter and manual rinse

01 COMMISSIONING

01

Before starting

Check that the valves are open

Carry out this check before starting the watermaker.

01 PRIME THE CIRCUIT IN EACH OF THESE CASES



Before the first use



After replacing the filter



After the boat has been hauled out



After a long period of disuse

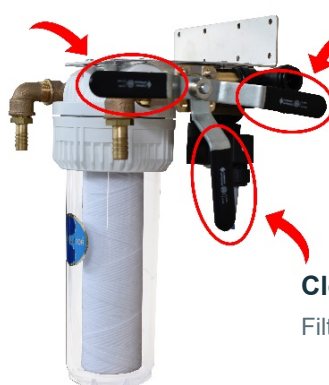
Prime for 1 minute with fresh water, watermaker stopped

With the watermaker stopped, operate the prefilter three-way valve to fill the circuit with fresh water for 1 minute. Open the pressure regulator counterclockwise.

Once the circuit is full, return the valve to the seawater position (see page 8).

Seawater

Water production



Fresh water

Rinsing or sterilization

Closed

Filter replacement

02 ELECTRICAL SUPPLY

Check that the 230 V or 120 V AC supply specified for your motor is available.

AC motor • DC control panel

The motor uses a 230 or 120 V AC supply with the protection specified for the installation. The control panel must also have its DC supply.

02 PRODUCTION

02

Starting the watermaker

Automatic pressure regulation

The motorized regulator adjusts the pressure gradually: no manual pressure stages are needed.

1 Set the switch to ON

First check that the valves are open and the prefilter is in the seawater position.

2 Allow the pressure to increase automatically

Pressure rises to the orange zone, then gradually adjusts into the green zone of the gauge.
This procedure takes about 3 minutes.

3 Check the quality of the produced water

After checking water quality, the watermaker starts producing fresh water.

What affects fresh water output

Fresh water output depends on seawater temperature and salinity.

THE ILLUSTRATED SEQUENCE



03 STOPPING

03

Stopping without rinsing

If the watermaker runs at least once every 3 weeks, there is no need to rinse the membranes after each use.

STEP 06

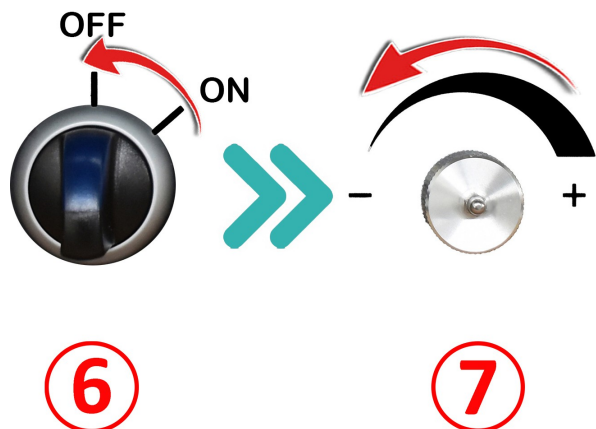
Switch to OFF

Set the switch to OFF: the watermaker stops.

STEP 07

Regulator to minimum

Turn the regulator counterclockwise to minimum (-).



After more than 3 weeks: rinse the membranes

Rinse the membranes and repeat every 3 weeks while the watermaker remains unused. The manual rinse procedure is on page 8.

For shutdown with rinsing, follow the procedure on page 5.

04 MEMBRANES

04

Stopping with rinsing

Rinse if the planned shutdown exceeds 3 weeks

Repeat every 3 weeks while the watermaker remains unused. Rinsing must take place with the motor/pump unit stopped.

6 Keep the controls on and open the regulator

After production, turn the knob counterclockwise towards minimum (-) to engage automatic rinsing.

7 Allow pressure to fall, then rinse for 30 seconds

Continue to minimum (-). The green and yellow LEDs light up: rinsing has started. The motor/pump unit must be stopped during rinsing.

8 Wait for rinsing to finish before switching to OFF

When the green and yellow LEDs go out, only the blue switch LED remains flashing. You can then set the switch to OFF.



After more than a month: rinse before restarting

Before restarting, rinse for 2 minutes (see page 8). For storage, sterilize the membranes for a maximum of 6 months or rinse at least monthly.

05 OPTION

Using the Micro Remote

05

After the first start-up at the control panel, use the Micro Remote to monitor and control the system remotely.

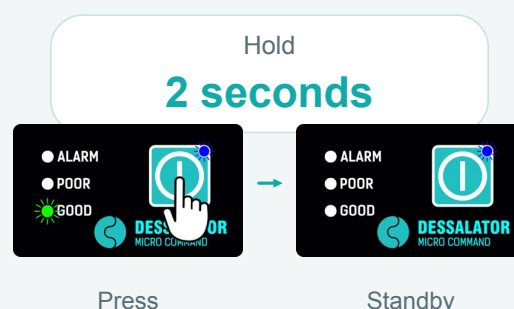


Automatic pressure regulation

Pressure must increase gradually to protect the membranes. Remote starting and rinsing require automatic pressure regulation.

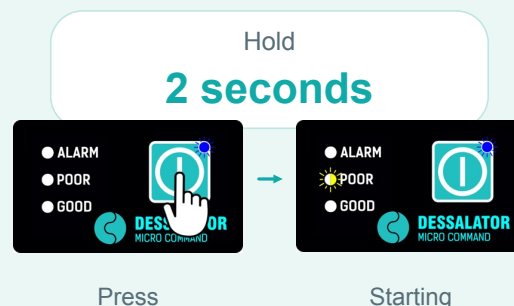
01 STOP WITHOUT RINSING

Hold the on/off button for about 2 seconds (2 beeps), then release: the watermaker stops and enters STANDBY.



02 RESTART FROM STANDBY

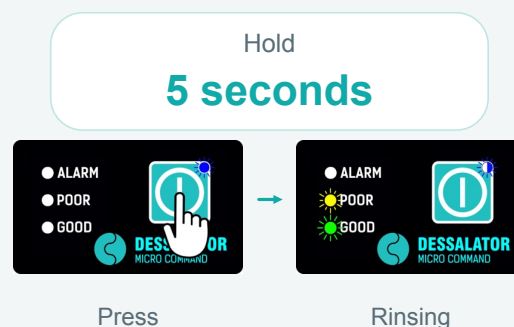
From STANDBY, hold the button for about 2 seconds. The blue LED flashes and 2 beeps sound. Release to start.



03 STOP WITH RINSING

Automatic pressure regulation required

Hold for about 5 seconds until the yellow and green LEDs light up and a long beep sounds. Release: the watermaker stops, rinses, then enters STANDBY.



06 MICRO REMOTE

06

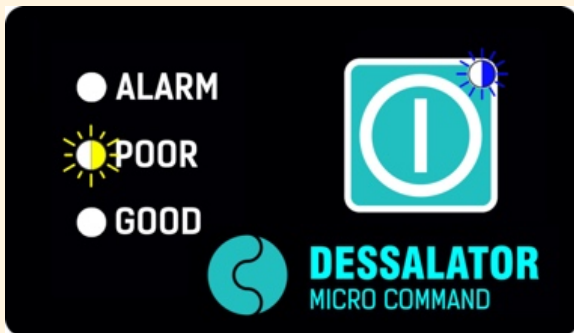
Understanding the LEDs

The RED, YELLOW and GREEN LEDs show the same information as on the watermaker control panel.

● Flashing yellow LED

The yellow LED flashing rate indicates the water pressure in the circuit.

The faster it flashes, the higher the pressure.



● Green LED on

The water produced is of good quality.



READING THE ILLUSTRATION SYMBOLS

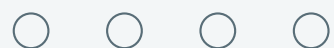
On



Flashing



Off



07 APPENDIX

07

Prefilter and manual rinsing

SELECTING THE PREFILTER VALVE POSITION

Seawater

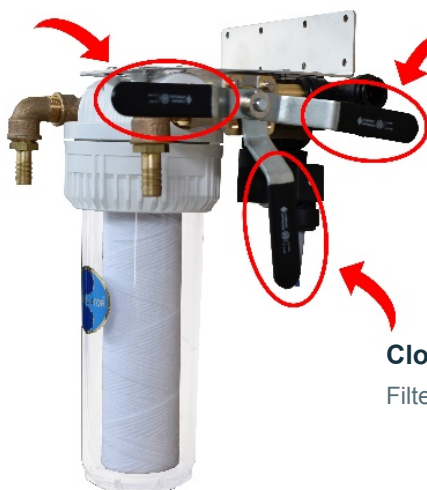
Water production

Fresh water

Rinsing or sterilization

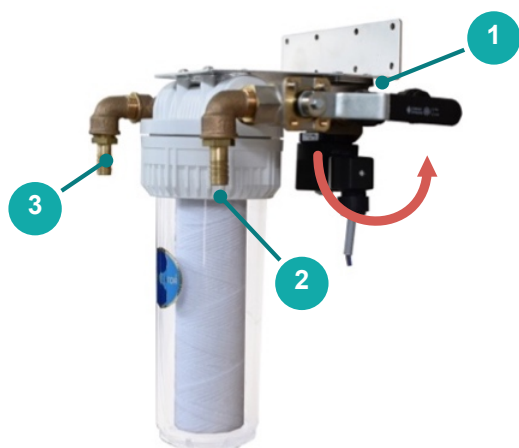
Closed

Filter replacement



RINSING MANUALLY WITH FRESH WATER

With the watermaker stopped, move the valve handle to the fresh water position for manual rinsing. Always return the handle to the seawater position before restarting.



1 Fresh water inlet

2 Seawater inlet

3 To the HP pump

Manual rinse and sterilization

Turn the handle to the fresh water position.