DESSALATOR®
Watermakers - dessalinisateurs

USER GUIDE

AC CRUISE

D60 & D100

BASIC / MANUAL PRESSURE CONTROL / 230 / 120 V AC

60 or 100 litres/hour

VERSION V6.0 EN • OCTOBER 2026

Commissioning and operation

Procedures and guidance for operating your watermaker.

02 Before starting

03 Starting

04 Stop without rinsing

05 Stop with rinsing

06–07 Micro Remote and LEDs

08 Prefilter and manual rinse

01 COMMISSIONING

Before starting

01

Check that the valves are open

Carry out this check before starting the watermaker.

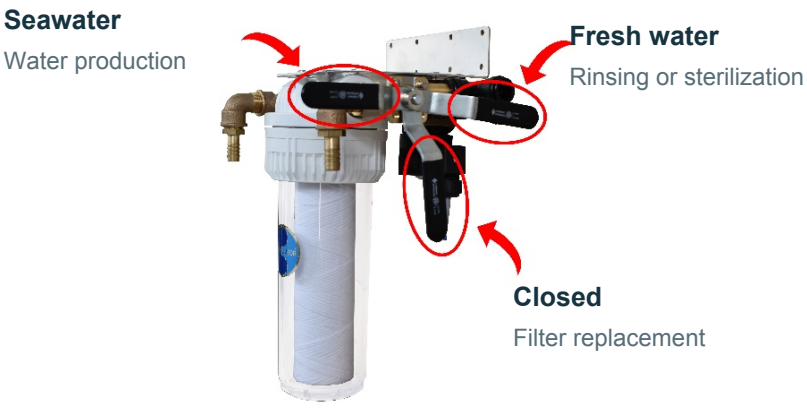
01 PRIME THE CIRCUIT IN EACH OF THESE CASES

- **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).



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

Starting the watermaker

02

The 8, 9 and 11 o'clock references indicate the needle position on the pressure gauge.

1 **Check the valves and set the switch to ON**

Valves open, prefilter in the seawater position and regulator at minimum (-), counterclockwise. Wait until the yellow LED flashes.

2 **Move the needle to 8 o'clock**

Increase the pressure gradually with the regulator.

Hold this position for about 1 minute.

3 **Move the needle to 9 o'clock**

Increase the pressure gradually with the regulator.

Hold this position for about 1 minute.

4 **Move the needle to 11 o'clock**

Increase the pressure gradually with the regulator.

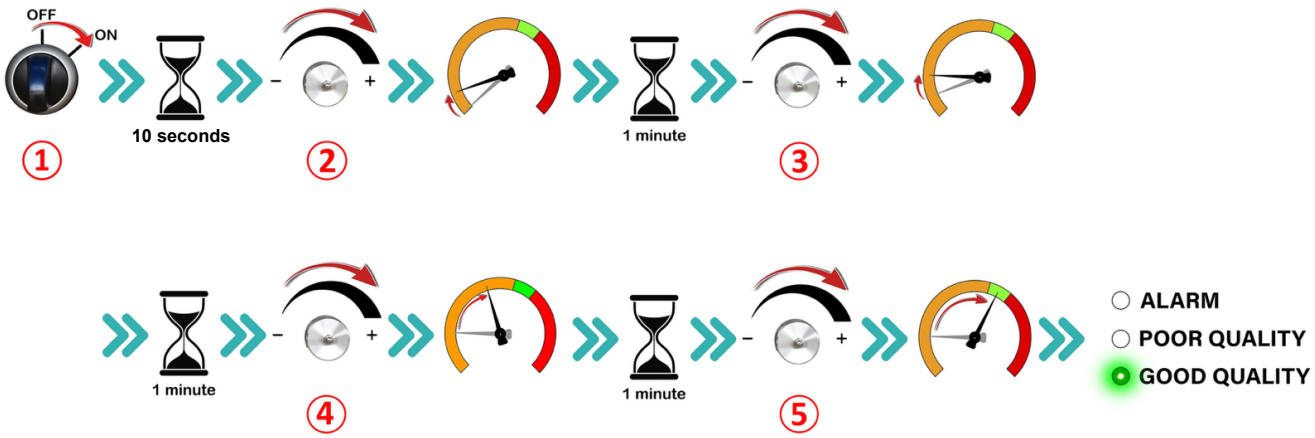
Hold this position for about 1 minute.

5 **Move to the green zone**

Increase pressure to the green zone. The green quality LED confirms fresh water production.

Output depends on seawater temperature and salinity.

THE ILLUSTRATED SEQUENCE



03 STOPPING

Stopping without rinsing

03

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

STEP 06

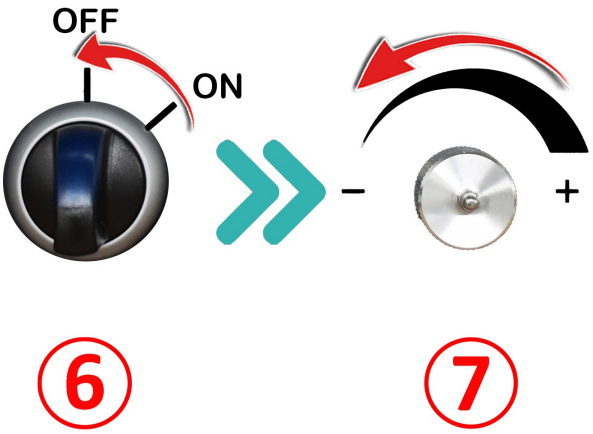
Switch to OFF

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

Stopping with rinsing

04

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

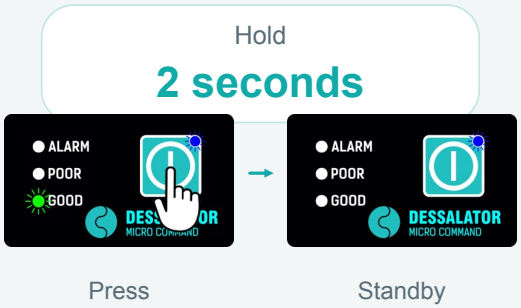
After the first start-up at the control panel, use the Micro Remote to monitor and control the system remotely.

Remote start and rinse: depending on the version

Only the AUTOMATIC and NAVIGATOR versions allow starting or rinsing directly from the Micro Remote.

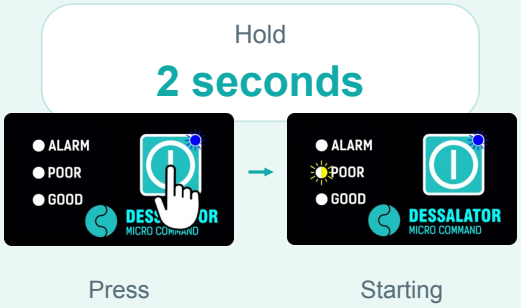
01 STOP WITHOUT RINSING

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



02 RESTART FROM STANDBY

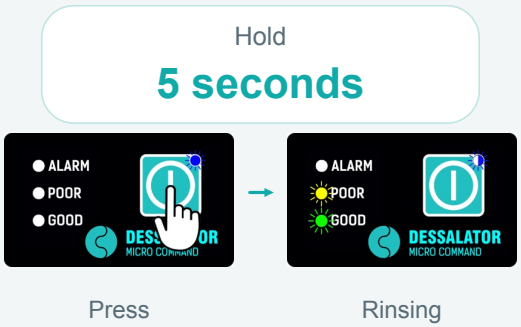
From STANDBY, hold the button for about 2 seconds. The blue LED flashes and 2 beeps sound. Release to start.



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

Understanding the LEDs

06

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

Prefilter and manual rinsing

07

SELECTING THE PREFILTER VALVE POSITION

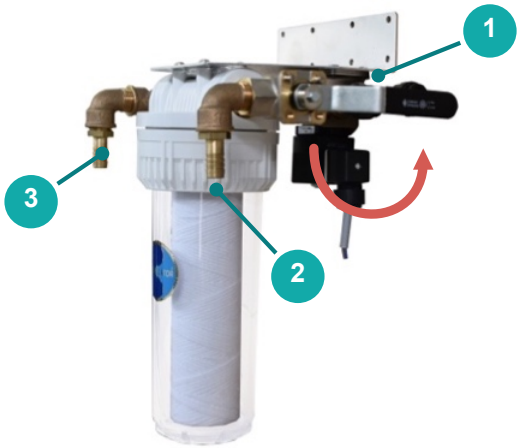
Seawater
Water production

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.

Dessalator® • ZI des 3 Moulins • 282 rue des Cistes • 06600 Antibes, France
www.dessalator.com • contact@dessalator.com