DESSALATOR®
WATERMAKERS - DESSALINISATEURS

USER GUIDE

AC PRO COMPACT

D300

AUTOMATIC

300 L/h • 400 V



VERSION V1.0 EN • NOVEMBER 2026

Start-up and operation

Procedures and indicators for operating your watermaker.

02 Before starting · 03 Start-up
04 Stopping without rinsing · 05 Stopping with rinsing
06–07 Micro-Command and LEDs · 08 Three-way valve

01 START-UP

Before starting

01

Check the valves

Check that the seawater inlet and the valves required for operation are open. Locate the three-way valve on the low-pressure pre-pump.

WHEN TO PRIME THE CIRCUIT

First start-up

Or after replacing a filter cartridge.

After a break in use

After hauling the boat out or after a long shutdown.

1 **Prime with fresh water for 1 minute**

With the watermaker stopped and the pressure regulator open counterclockwise, set the three-way valve to fresh water.

2 **Return to the seawater position**

Once the circuit is full, return the valve to seawater before starting (page 8).



Power supply

Use an AC supply that matches the equipment nameplate. The manual for this range specifies 400 V.

Seawater quality

Avoid muddy or polluted water, brackish water and river mouths.

02 PRODUCTION

Starting the watermaker

02

1 **AUTO mode**

Set the selector to AUTO and press START. The system rinses with fresh water for 5 seconds, then the low-pressure pre-pump starts.

2 **Check the gauges**

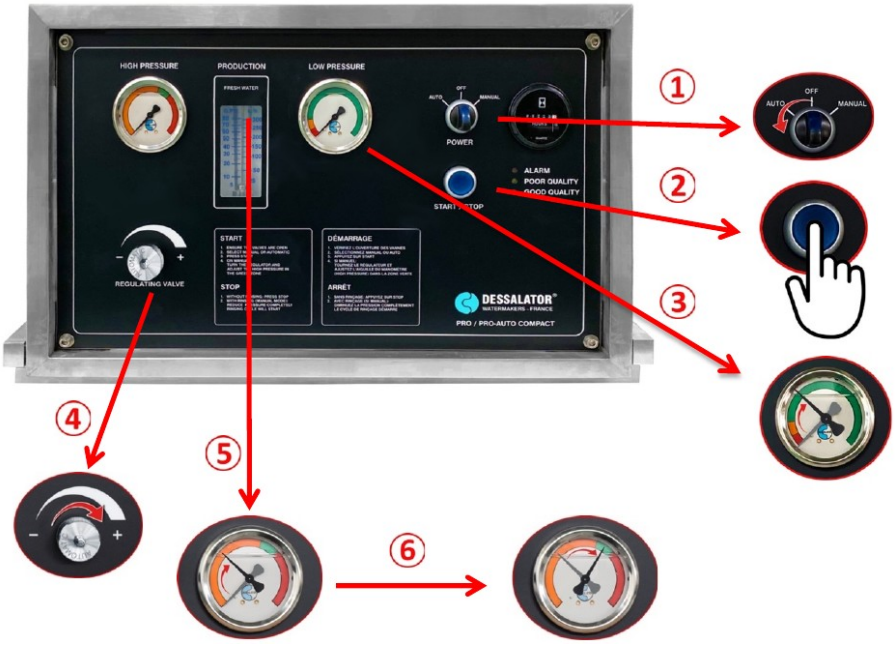
The low-pressure needle reaches the green zone. The motorised regulator brings high pressure into the orange zone, then gradually adjusts it into the green zone.

Starting in MANUAL mode

Select MANUAL and press START. After the 5-second initial rinse and pre-pump start, turn the regulator clockwise. Bring the needle into the orange zone, then to the start of the green zone over about 1 minute.

3 **Check production**

The green LED indicates good product-water quality. Check that the gauges remain steady.



AC PRO COMPACT control panel

Output depends on seawater temperature and salinity and on the condition of the 5 and 25 µm filters.

03 SHUTDOWN

Stopping without rinsing

03

During regular use, you can stop the watermaker without rinsing.

1	**In AUTO mode** Set the selector to OFF.
2	**In MANUAL mode** Set the selector to OFF. Turn the regulator fully counterclockwise to reduce high pressure to its minimum, then turn it back clockwise by ¼ turn.



Shutdown longer than 10 days

Plan to rinse the system. If the unit was stopped without rinsing, rinse it before restarting. See page 8.

04 MEMBRANES

Stopping with rinsing

04

Leave the watermaker running

Start the rinse cycle at the control panel once production is finished, before switching off.

1 **In AUTO mode**

Turn the regulator counterclockwise until the cycle begins. The yellow and green LEDs come on. The cycle lasts about 30 seconds.

2 **In MANUAL mode**

Turn the regulator fully counterclockwise, then turn it back clockwise by ¼ turn. The yellow and green LEDs show that rinsing has started. Rinse cycle in MANUAL · 30 seconds.

3 **Wait for the cycle to finish**

The yellow and green LEDs go out and the blue light on the selector flashes. In MANUAL mode, switch to OFF. In AUTO mode, you can switch to OFF if you are not using the Micro-Command.



While out of use

Repeat the rinse at least once a month. For prolonged storage, follow the sterilisation procedure in the manual, for up to 6 months.

05 OPTION

Using the Micro-Command

05

After the first start-up

Use the control panel for the first start-up. The Micro-Command is optional.

Remote functions

Monitoring and shutdown. The Automatic version also lets you restart or rinse remotely.



1 **Stop without rinsing · about 2 seconds**

Hold the on/off button for about 2 seconds, then release it. The watermaker stops and enters standby.

2 **Restart from standby · about 2 seconds**

Hold the button. The blue LED flashes and two beeps sound. Release it to start.

3 **Stop with rinsing · about 5 seconds**

Hold the button until the yellow and green LEDs light up and a long beep sounds. Release it to start rinsing. The unit then enters standby.

If an alarm occurs

Find the cause of the alarm before restarting from the control panel.

06 MICRO-COMMANDE

Understanding the LEDs

06

The Micro-Command LEDs show the same status as the control panel.

YELLOW · POOR QUALITY

The LED flashes as pressure builds. The faster it flashes, the higher the pressure.

GREEN · GOOD QUALITY

A steady green light indicates that the produced water is of good quality.

RED · ALARM

The LED indicates a fault. Setting the pressure too high can stop the unit.

BLUE · SELECTOR

On the control panel, a flashing blue light by itself indicates the end of the rinse cycle.



Pressure building



Good product-water quality

Yellow and green LEDs on together

During shutdown with rinsing, both LEDs indicate that the cycle is running.

07 APPENDIX

Three-way valve and manual rinsing

07

VALVE POSITIONS ON THE PRE-PUMP



1 Seawater
Production

2 Closed
Isolate the circuit or replace the filter

3 Fresh water
Manual rinsing or sterilisation

1 **Stop the watermaker**
Move the handle up to the fresh-water position. Fully open the pressure regulator. For a routine manual rinse, let fresh water run for 2 minutes.

2 **Return to seawater**
Move the handle down to the seawater position before restarting.

After a prolonged shutdown or sterilisation
After more than one month without use, a 2-minute rinse is recommended before restarting. Without ST2, use one full sachet of preservative in 10 litres of fresh water. With or without ST2: rinse for 5 minutes three hours after preservation, then close the three-way valve. Before recommissioning, rinse for 15 minutes, close the valve, remove the ST2 cartridge if fitted and install a new 5-micron filter. Follow the preservation section and Appendix A4 of the v4.0 manual.