DESSALATOR®
WATERMAKERS - DESSALINISATEURS

USER GUIDE

AC PRO COMPACT

D300

STANDARD

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

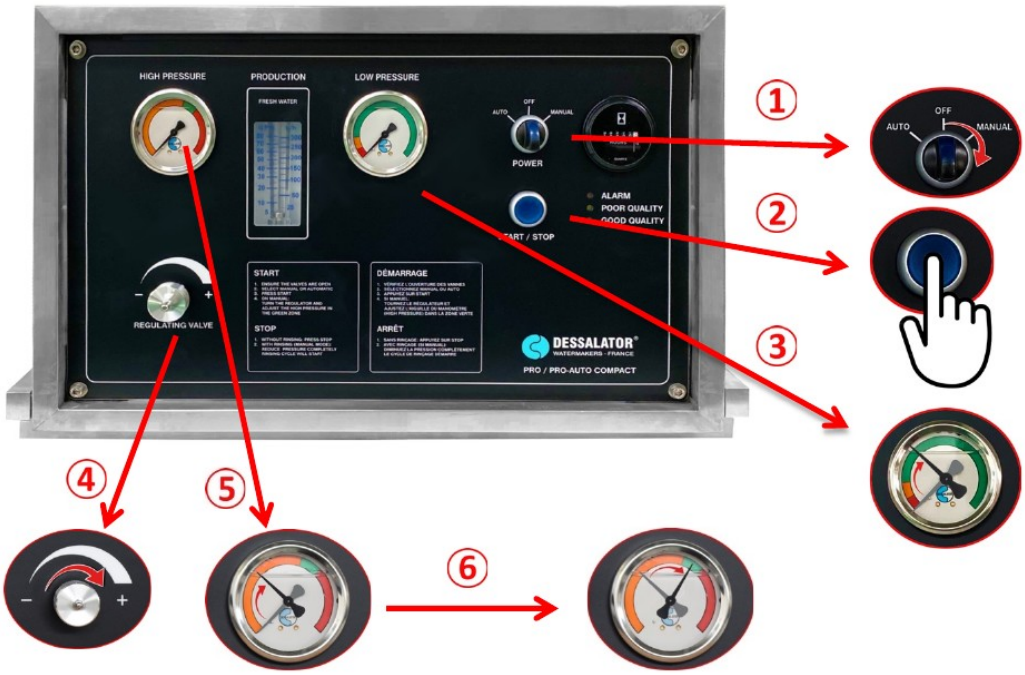
Avoid muddy or polluted water, brackish water and river mouths.

02 PRODUCTION

Starting the watermaker

02

1	**Select MANUAL, then press START** The low-pressure pre-pump starts. Check that the low-pressure gauge needle moves into the green zone.
2	**Raise high pressure gradually** Turn the regulator clockwise until the high-pressure needle reaches the orange zone, then raise it gradually to the start of the green zone. Allow about 1 minute for the pressure to build.
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

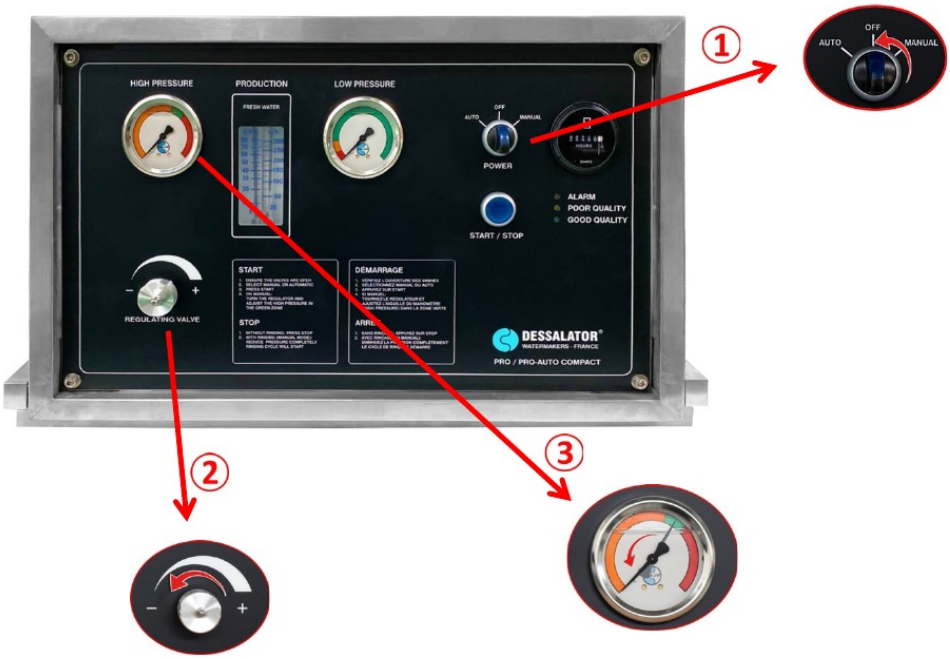
03

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

1

Stop at the control panel

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

Start the rinse cycle

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.

2

Wait for the cycle to finish

The yellow and green LEDs go out. The blue light on the selector flashes. Set the selector to OFF.



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.

Local control

Use the control panel to start the watermaker, adjust the pressure and start the rinse cycle.

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.



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.