



DESSALATOR[®]

Efficient and robust watermakers
from 30 to 2,000 litres/hour

www.dessalator.com

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" We are pleased to present our new catalog, which will give you an overview of our watermakers that are most appreciated by our customers. Please do not hesitate to contact our team in case you have any questions regarding the products listed in this catalog, or regarding our larger capacity machines which start at 440 liters/hour. "

Patrick Wagner
Founder and CEO



WE HAVE SPECIALIZED IN DESALINATION FOR OVER 45 YEARS

With an unrivaled track record of more than 45 years in this industry, Dessalator is both a leader and precursor in the design and manufacture of watermakers in the nautical world.

In the early 1980s, Mr. Patrick Wagner, the founder of Dessalator, designed the world's first 12 Volt and 24 Volt watermakers which produced approximately 30 liters of fresh water per hour, which was considerable at the time.

His invention was a complete technical revolution and it allowed boat owners to be autonomous.

A few years later, Dessalator invented and filed a patent for a dual-energy watermaker: the DUO model.

Innovation is still one of Dessalator's core values. Nowadays, Dessalator offers a complete range of watermakers, and is the first choice of yacht builders and shipyards.

Dessalator watermakers are recognized and appreciated for their ease of use and maintenance, their efficiency, robustness and excellent manufacturing quality.



TRUE QUALITY IS LASTING QUALITY

DESALATOR DESIGN PRINCIPLES

The strength of Dessalator lies in the breadth of its expertise and its close collaboration with the largest boat manufacturers, making sure to perfectly integrate into their boat designs. Building on this collaboration as well as feedback from our customers, Dessalator is confident about its core design principles:

- **Pursue simplicity and ease of use**

Basically, pressing one switch is the only operation required.

- **Robustness**

Outstanding choice of materials and manufacturing quality, suitable for non-stop use.

- **Ease of maintenance**

Good accessibility is essential for a yacht owner; it ensures for instance easy pre-filter exchange and quick routine inspection.



SALES AND SERVICE

Dessalator has a network of representatives located around the world.

They are committed to providing superior customer service, whether it is for a complete installation, for maintenance, or for simply answering your questions.

All representatives are regularly invited to Dessalator's headquarters to attend a technical training course.

This ensures they are up to date on new products so they can give you the advice and service you need.

Simply contact Dessalator by phone, email or visit **www.dessalator.com** if you have any questions or would like to find your nearest representative.

COMMITMENT

Dessalator always seeks to improve quality and to attentively listen and serve its customers, both boat manufacturers and owners.

Dessalator is well aware that, in order to maintain trust and continue to thrive in this industry, it is essential to listen to customer requests.

Dessalator considers this to be one of the fundamental principles of its certified quality management system. It provides a guarantee to all our clients that we are compliant with the most rigorous industry standards.



ADDED CONFORT INNOVATIONS

Through its drive for innovation, Dessalator has introduced many new features and improvements over the years.

For all new upgrades, whether it be a whole new model or simply a software upgrade, the watermakers are rigorously tested in real-world conditions before being put into production.

New features are often compatible with the existing product line, which means that Dessalator can, in most cases, upgrade your existing machine to new technologies, even if it is several years old.

Recently, the following innovations have been introduced to provide greater comfort and ease of use:

All our DC watermakers are now equipped with the latest-generation **brushless motors**, fully compatible with lithium batteries. More compact, quieter, and more energy-efficient, they deliver superior performance, enhanced reliability, and a longer service life.

- **Micro Remote Control** Page 15
A modern Micro Remote Control allows you to check and control your watermaker.
This option is compatible with all machines
(Comes as standard on the **AC PRO-AUTO** versions).
- **Automatic regulation** Page 14 et 18
Comes included on the **NAVIGATOR** and **AC PRO-AUTO** versions.
Available as an option for all other watermakers models.



DESSALATOR[®] LINEUP

Explore and compare technologies to find the perfect solution for your application.

	DC FREEDOM DC  12 V • 24 V • 48 V			AC CRUISE AC  230 V • 120 V			DC&AC DUO DC  AC  12 V • 24 V • 48 V 230 V • 120 V		
	DC FREEDOM	DC FREEDOM OPTIMA	DC FREEDOM NAVIGATOR	AC CRUISE	AC CRUISE OPTIMA	AC CRUISE NAVIGATOR	DC&AC DUO	DC&AC DUO OPTIMA	DC&AC DUO NAVIGATOR
 Brushless DC Motor 12 V, 24 V or 48 V	✓	✓	✓				✓	✓	✓
 Single-phase AC Motor 230V or 120V			✓	✓	✓	✓	✓	✓	✓
 Automatic Pressure Regulator	*Optional	*Optional	✓	*Optional	*Optional	✓	*Optional	*Optional	✓
 Stainless Steel Pump		✓	✓		✓	✓		✓	✓
 Electronic Flow Control			✓			✓			✓
 Small Form Factor		✓	✓		✓	✓		✓	✓



Installation Flexibility

DC, AC and DUO solutions designed for every installation configuration.



Proven Technology

Engineered for simplicity, durability, and low maintenance.



Fresh Water, True Freedom

Water independence creates peace of mind.



MOTORBOATS AND SAILING BOATS OF 10 TO 15 METERS

DC FREEDOM SERIES - 12 V, 24 V or 48 V

It is the ideal watermaker model for boats whose only available source of energy comes from the alternator driven by the main engine.

It is also an ideal solution for boats that have a low power generator.

Due to its small size and modular design, this watermaker can be easily integrated without wasting valuable space on board.

- Available in 12 V, 24 V or 48 V
- Brushless motor, fully compatible with lithium batteries
- Quieter operation with lower power consumption
- Very compact modular machine
- Ultra-compact modular design
- Ideal for confined spaces – no need to sacrifice valuable storage space
- High production capacity: 30, 60 or 100 litres/hour
- Integrated automatic fresh water flushing
- Easy to use, easy to maintain
- Robust components ensure reliability
- Optional: MicroRemoteControl, Automatic pressure regulator.

DC FREEDOM 12, 24 or 48 Volt

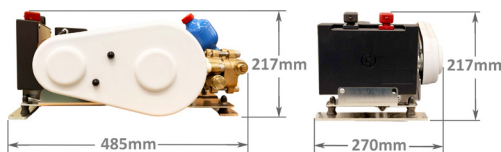


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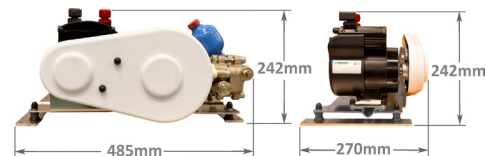
SPECIFICATIONS

MODELS	D30	D60	D100
Litres/hour (l/h)	30	60	100
Voltage (V-DC)	12, 24 or 48		
Power (W)	450		

12 V MOTOR UNIT



24 OR 48 V MOTOR UNIT



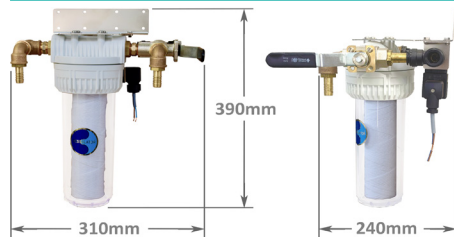
CONTROL PANEL



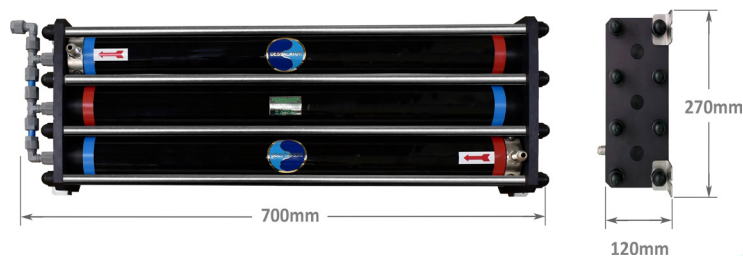
D60 MEMBRANE UNIT



PRE-FILTER UNIT



D100 MEMBRANE UNIT





MOTORBOATS AND SAILING BOATS OF 10 TO 15 METERS

AC CRUISE SERIES - 230 or 120 V

AC Cruise watermakers yield up to 100 litres/hour, which makes them an optimal choice for boats that are equipped with a generator or inverter.

Their modular design and extremely small footprint make AC Cruise models particularly suitable for boats where space is limited.

- Available in 230 or 120 V, 50 or 60 Hz AC Power supply
- Very compact modular machine
- Fits in small spaces - not wasting valuable storage space
- High yield: 60 or 100 litres/hour
- Comes with automatic flush
- Easy to use, easy to maintain
- Robust components ensure reliability
- Optional: Micro Remote Control, Automatic pressure regulator.

AC CRUISE 230 or 120 Volt

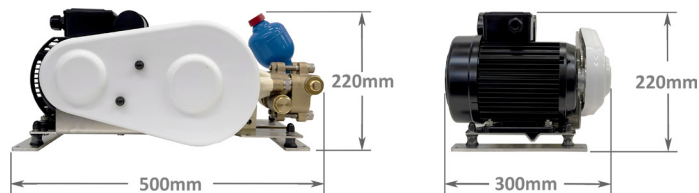


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SPECIFICATIONS

MODELS	D60	D100
Litres/hour (l/h)	60	100
Voltage (V-AC)	230 or 120	
Power (W)	750	1100

230 OR 120 V MOTOR UNIT



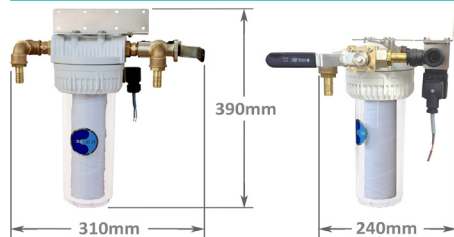
CONTROL PANEL



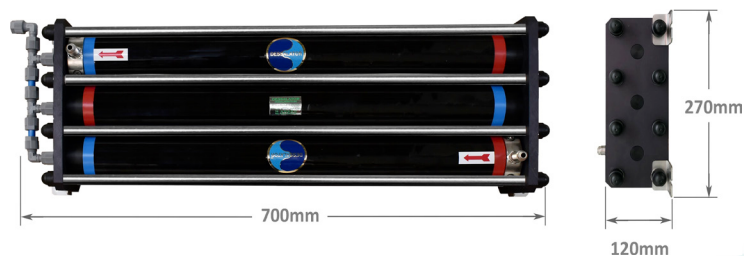
D60 MEMBRANE UNIT



PRE-FILTER UNIT



D100 MEMBRANE UNIT





MOTORBOATS AND SAILING BOATS OF 10 TO 15 METERS

DC&AC DUO SERIES - 12 V, 24 V or 48 V and 230 V or 120 V

The patented DC&AC DUO are the first and only watermakers in the world to operate on dual energy, which makes them the safest and most versatile option on the market. They can use:

- A DC motor to operate the watermaker with the energy supplied by the alternator driven by the main engine.
- An AC motor to operate the watermaker with the energy supplied by the generator or the inverter.

This solution allows you to efficiently optimize the use of your energy sources and allows you to continue producing fresh water in case of failure of one energy source.

- A single button lets you operate the unit in either DC or AC mode
- Efficient use of the available power sources
12 V, 24 V or 48 V brushless DC motor, fully compatible with lithium batteries
- AC motor available in 230 or 120 V, 50 or 60 Hz
- High production capacity: 60 or 100 litres/hour
- Integrated automatic fresh water flush
- Easy to use, easy to maintain
- Robust components ensure reliability
- Optional: Micro remote control, Automatic pressure regulator

DC&AC DUO 12, 24 or 48 Volt and 230 or 120 Volt



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SPECIFICATIONS

MODELS	D60	D100
Litres/hour (l/h)	60	100
Voltage (V-DC)	12, 24 ou 48	
Power (W-DC)	450	
Voltage (V-AC)	230 or 120	
Power (W-AC)	750	1100

12 V AND 230 OR 120 V MOTOR UNIT



24 OR 48 V AND 230 OR 120 V MOTOR UNIT



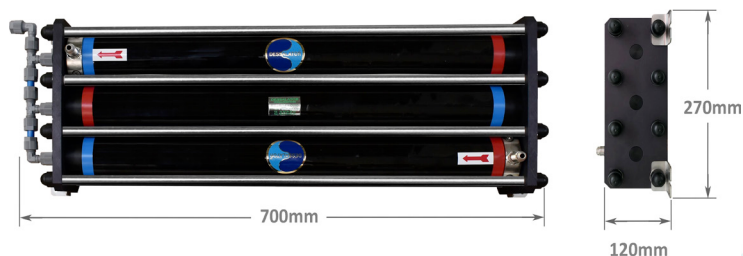
CONTROL PANEL



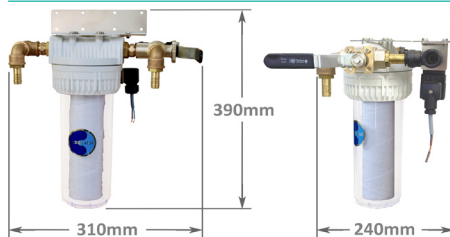
D60 MEMBRANE UNIT



D100 MEMBRANE UNIT



PRE-FILTER UNIT





NAVIGATOR PRODUCT LINE

The **NAVIGATOR** product line comes standard with the “automatic” pressure regulation option.

As a result, the pressure rises automatically and remains stabilized in the right pressure zone in order to ensure optimal production in all circumstances.



DC FREEDOM NAVIGATOR



AC CRUISE NAVIGATOR



DC&AC DUO® NAVIGATOR

The **NAVIGATOR** product line has many further advantages:

- Designed to meet high usage demands
- Ease of access for inspection and maintenance
- Now quieter thanks to its new design
- Pump block reduced by 20% for the FREEDOM/ CRUISE versions and up to 30% for the DUO® version
- Developed and tested by Dessalator for 5 years in collaboration with the world's largest manufacturer of high-pressure pumps
- The pump has a reinforced 24mm shaft. The DUO® model uses oversized freewheel bearings to ensure a long lifespan
- Patented design



MICRO REMOTE CONTROL

With the aim of continually improving ease of use while maintaining the reliability of our products, we have designed the Micro Remote Control.

The remote is compact (50x30x11mm) and stylish, and allows you to control your watermaker at a distance in a simple and intuitive way.

The Micro Remote Control allows you to start, stop or rinse your watermaker with a single button.

Indicator lights also show you the status of your device.

Available for all DESSALATOR watermakers sold after 2018.

**All these features are available on the Automatic and NAVIGATOR versions.*

MONO VOLTAGE



BI-VOLTAGE (DUO)



INNOVATION AND EASE OF USE



MOTORBOATS AND SAILING BOATS OF 15 TO 40 METERS

AC PRO SERIES

On large yachts, motorboats, small commercial vessels and superyachts, the demand for fresh water can be very high.

The onboard watermaker may be required to operate continuously.

The AC PRO and AC PRO-AUTO series are the models most commonly installed on these vessels.

The main difference between the PRO and PRO-AUTO watermakers is the pressure regulation method. PRO-AUTO watermakers automatically adjust the operating pressure, while the PRO series requires manual pressure adjustment.

All watermakers in the PRO and PRO-AUTO series are available in **CAD** modular or **Compact** versions

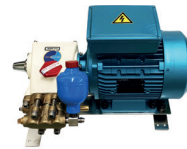
The **CAD** version is modular, with the control panel mounted separately from the motor/pump unit.

The **Compact** version has the motor/pump unit and control panel mounted on a stainless-steel frame.

For these models, the Micro Remote Control (page 15) is a popular option, providing easy and visual control of the watermaker (It is standard on the PRO-AUTO versions).



AC PRO series CAD version



AC PRO serie Compact version



AC PRO-AUTO SERIES

- Easy to operate and monitor using the Micro Remote Control, included with the PRO-AUTO version
- Fully automatic operation included with the PRO-AUTO version
- A switch allows selection between automatic and manual operation
- Negligible power consumption in standby mode
- Available in 230 V or 400 V
- High production capacity: 90 to 300 litres/hour
- Standard low-pressure pump
- Built-in automatic flushing
- Easy to operate, easy to maintain



AC PRO-AUTO series Compact version



Micro Remote Control

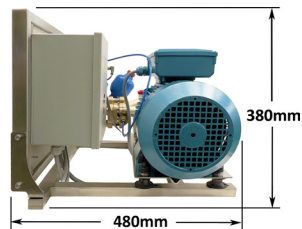


AC PRO AUTO D90 D160 D200 230 or 400 Volt

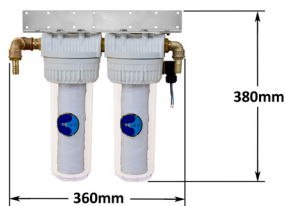
SPECIFICATIONS

MODELS	D90	D160	D200
Litres/hour (l/h)	90	160	200
Voltage (V-AC)	230 or 400		
Motor power (W)	1.500	2.200	
LP pump power (W)	300		

MOTOR/PUMP UNIT



PRE-FILTER UNIT



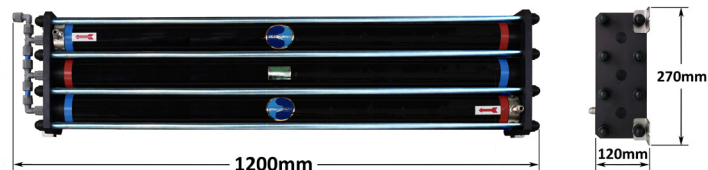
D90 MEMBRANE UNIT



D160 MEMBRANE UNIT



D200 MEMBRANE UNIT



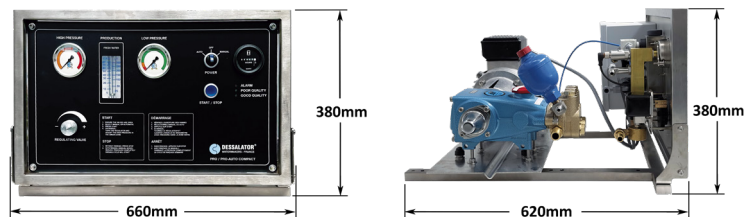


AC PRO AUTO D300 230 or 400 Volt

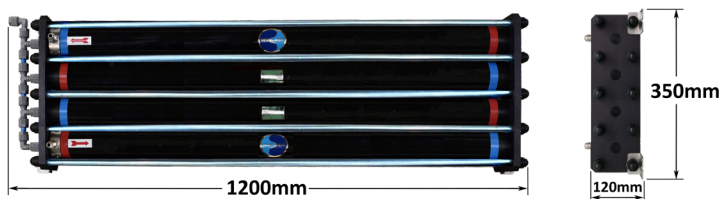
SPECIFICATIONS

MODELS	D300	
Litres/hour (l/h)	300	
Voltage (V-AC)	230 or 400	
Motor power (W)	2.200 (230V)	3.000 (400V)
LP pump power (W)	300	

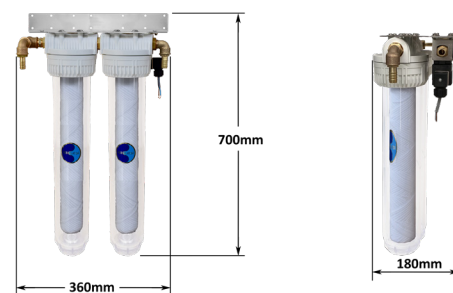
MOTOR/PUMP UNIT



D300 MEMBRANE UNIT



PRE-FILTER UNIT



WORLDWIDE SALES, SUPPORT AND SERVICE NETWORK
visit www.dessalator.com for a complete list



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