



DESSALATOR SPECIFICATION SHEET

DUO 60 12 / 24 V DC and 120 / 230 / 400 V AC

Application:

The DUO can be operated with either AC power supplied by a generator or DC power supplied from the engine alternator.

Options:

This model is only available in Remote Control version. The Remote Control model is modular and the control panel can be mounted independently from the other major components.

Size:

Horizontal Control Panel:	L 320mm x H 200mm x D 140mm
Pump and Motors Assembly:	L 730mm x D 310mm x H 300mm
12V motor:	Pulley 50mm, 12V relay, drive belt 10x925 or
24V motor:	Pulley 71mm, 24V relay, drive belt 10x925 and
230V motor:	Pulley 80mm, drive belt 13x725
Sea Water Pre-filter:	H 410mm x D 200mm x W 340mm Standard 10 inch, 5 micron water filter
Membrane Assembly:	L 700mm x 175mm x 150mm

Power consumption:

High pressure pump/motor unit:	750w at 120, 230 or 400 V AC (with 20 μ F Capacitor) 370W at 12V or 24V DC
12V:	370W – 32A (a fuse holder with 50A motor fuse is supplied).
24V:	370W – 18A (A 25A starting curve circuit breaker is supplied)
120V:	6A continuous (20A starting). A 20A circuit breaker is supplied.
230V:	3A continuous (10A starting). A 10A circuit breaker is supplied.
400V:	1A continuous (3A starting). A 3A circuit breaker is supplied..

Module Elements of the Watermaker:

- Pre-filter assembly with fresh water rinse solenoid valve and key for the filter
- High pressure motor/pump assembly mounted on fixing base
- Membrane assembly comprises; two tubes containing two 25.21 membranes, end plates and retaining rods and associated high pressure hose connections and fresh water delivery connectors
- Front panel. comprising electric control box (fixed behind the front panel) with electronic controller, high pressure gauge, graduated medical flow-meter, pressure sensor, salinity probe, hour meter and operating status indicator lights.

Accessories included:

- 1/2" thru-hull scoop type skin fitting with sea-cock and strainer
- High pressure hoses \varnothing 8mm – 8 m
- 2 pre-installed high pressure connectors and 2 to be fitted on installation (adapter supplied)
- Blue production hose \varnothing 8/10mm: 8m
- 1 spare pre-filter element (5 microns, 10 inch)

Cable:

Cable supplied:	2 x 6m of 3x1.5mm ² for AC power supply to panel and AC motor feed
Cable required:	35mm ² for the 12V or 16 to 35mm ² for the 24V (according to the distance)

Working pressure: Between 60 and 65 Bars. Dessalator pressure gauge is marked with a green zone (registered design).

Weight: 45 kg, boxed up: 70 kg