



DESSALATOR – D90 in 120, 230 or 400V

Specification sheet

Application:

The D90 can be operated with AC power supplied by a generator and is designed for Intensive use, with a low-pressure pump.

Options:

This model is available in following versions:

- Remote control (to be specified when ordering) with: Horizontal front panel or vertical front panel (separated electric box)
- compact with an ABS frame in L

Size:

Horizontal front panel:	L 410mm x H 240mm x D 150mm
Vertical front panel:	L 220mm x H 435mm x D 150mm
Compact version:	L 580mm x W 480mm x H 380mm
Pump and motor assembly:	L 460mm x W 325mm x H 300mm
Sea Water pre filter:	H 410mm x W 360mm x D 155mm 2 containers with 10 inch 25 and 5 micron water filters
Low pressure pump:	L 290mm x W 260mm x H 240mm
Membrane assembly:	L 1170mm x W 105mm x H 150mm

Consumption:

Pre pump:	300W with a 12.5 μ F capacitor (except 3-phased model)
High pressure pump/motor unit:	1,8 KW with two 30 μ F capacitors parallel or one 60 μ F capacitor (except three-phased model).
120V:	22 A continuous (3 x 22 A starting). A D 32A circuit breaker is supplied.
230V:	16 A continuous (3 x 16 A starting). A D 25A circuit breaker is supplied.
400V:	5,2 A continuous (3 x 5,2 A starting). A D 10A circuit breaker is supplied.

Module elements of the water maker:

- Basket pre filter: either a bronze pre filter (directly on the hull valve) or a plastic pre filter (before the pre pump – Water line in the middle of the filter)
- Low pressure pump: to be installed under the water line
- Pre-filter assembly with fresh water rinse solenoid valve and key for the filter containers
- High pressure motor /pump assembly mounted on fixing base
- Membrane assembly comprises: 1 tube containing one 25.40 membrane, 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 (except vertical front panel) with electronic controller, high and low pressure gauges, graduated medical flow-meter, pressure sensor, salinity probe, hour meter and operating status indicator lights.

Accessories included:

- $\frac{3}{4}$ thru-hull scoop type skin fitting with sea-cock strainer
- High pressure hoses \varnothing 8mm – 8 m
- 2 pre-installed high pressure connectors and 2 to be fitted (adapter supplied)
- Capillar hose \varnothing 4mm - 6m
- Blue production hose \varnothing 8/10mm : 6m
- Spare filters 25 and 5 microns 10 inch (1 of each)

Cable required:

3x4 mm² for the 120V, 3x2,5 mm² for the 230V and 4x2,5 mm² for the 400V

Working pressure: 60 to 65 Bars. Manometer with green zone Dessalator (registered model)

Weight: 66 kg, 85 kg packed.