

AQUAFRESH
WATERMAKERS LIMITED



...Clearly the best





AQUAFRESH WATERMAKERS

The myth has finally been dispelled, watermakers are no longer considered a 'luxury item, but as a 'prerequisite and must-have' piece of equipment, not just for bluewater or long distance cruising, but for coastal/weekend boating - in fact a watermaker will seriously enhance your enjoyment of boating.

Fresh water is a precious resource, and an expensive commodity particularly in warmer climates, making a watermaker an essential piece of equipment.

Aquafresh Watermakers Ltd are renowned for their quality of construction, efficiency and reliability, having been at the forefront of watermaker design and production for two decades - their reputation is second to none.

To further underline the Aquafresh reputation, Aquafresh won the top Yachting World award for watermakers in their 'Great Atlantic Gear Test' survey (published June 2000) of some 170 skippers who took part in the 1999 Atlantic Rally for Cruisers(ARC). The survey revealed that most equipment had been 'road tested' for at least 5,000 miles by their owners, which makes the results a true test of product reliability and usefulness for the 'bluewater cruiser'.

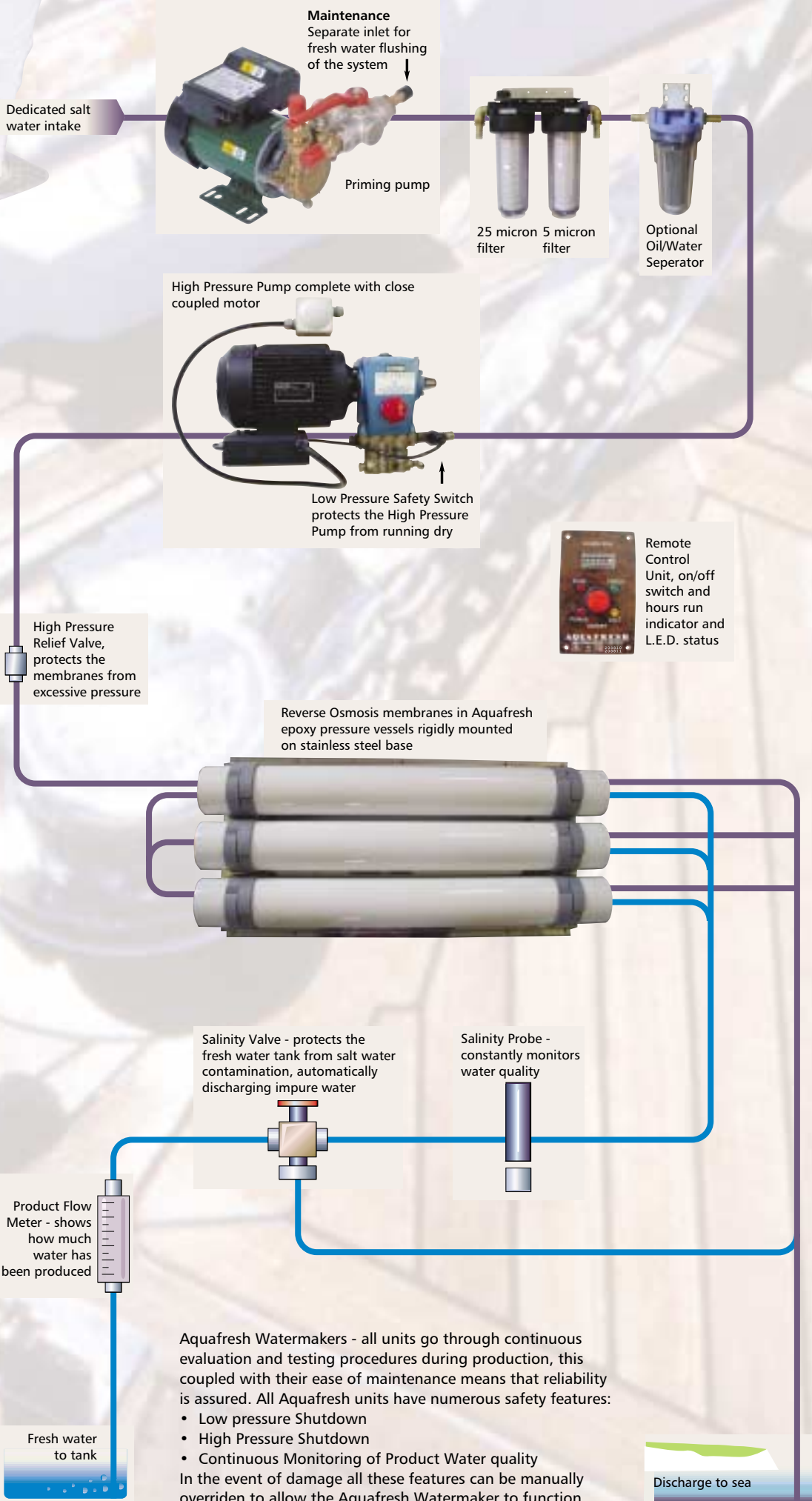
Aquafresh are now owned by Atlantis Marine Power Ltd (AMP), who after evaluating the product range, their production, and market requirements instigated a serious research and development programme, which now sees Aquafresh Watermakers as unsurpassed, where reliability, quality and service are paramount issues when deciding to fit a watermaker.

AMP was founded in 1986 with the sole aim of providing specialist marine electrical solutions and packages to boat builders and their dealers in both the UK and Europe. This was achieved with AMP sourcing and offering products that would meet the boat builders requirements - in many cases this also exceeded their expectations.

Aquafresh units are designed and built to be mounted horizontally, with the main control panel being sited for easy access and operation, the pumps and filters can then be fitted remotely aiding installation.

The basis of operation is simply that the high pressure pump passes the water, under pressure of up to 1000psi, to the membranes which only allow potable water to pass through - impurities, salt and other elements are automatically rejected overboard. The water is then electronically tested for impurities allowing the water to pass to the water tank or, if the required purity level has not been achieved ejected overboard.

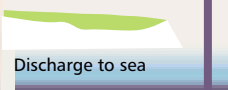
AMP for Customer care - not to be marvelled at, just envied.



Aquafresh Watermakers - all units go through continuous evaluation and testing procedures during production, this coupled with their ease of maintenance means that reliability is assured. All Aquafresh units have numerous safety features:

- Low pressure Shutdown
- High Pressure Shutdown
- Continuous Monitoring of Product Water quality

In the event of damage all these features can be manually overridden to allow the Aquafresh Watermaker to function.





AF400 & AF600

These units are ideally suited for use on craft 40 - 50ft and AMP are in the unique position of being able to offer this unit with the light weight Kohler 3.5 EFOZ generator.

AF800

This unit would normally be fitted to power and sail craft in the 50 - 60ft range.



AF1000, AF1200 & AF1600

These popular units are designed for use on 60ft plus power and sail craft. The AF1000 has been standard fit on the "Global Challenge" 67ft yachts and their latest 72ft class, which has seen them being used for long periods in hostile conditions – what a recommendation!

Aquafresh Key Features:

- Two stage pre-filter
- Flow protection switch
- Flexible high pressure pipes
- Flow meter
- Hour meter
- Earthed salinity probe to eliminate the effect of electrolysis
- Factory tested
- Rigid mounting of pressure vessels eliminate leaks
- Easy servicing

LITTLE WONDER

The "Little Wonder" 12 volt watermaker from Village Marine Tec - these compact and highly efficient units, are ideal for the smaller craft where space is an issue, making the fitting of a watermaker to craft 40ft and below a practicality.

AMP are able to provide the means with which power can be provided and



maintained for the efficient running of the "The Little Wonder" – the Newmar "Phase Three" switch mode charger and Lifeline "AGM" batteries make the perfect combination.

WATERMAKER SELECTION CHART

The simple table below shows the maximum hourly output of the different Aquafresh Watermakers. Data is shown as litres, UK and US gallons. Approximately 8 UK gallons (9.6 US gallons) per person, per day would be considered normal

consumption. Other factors to be taken into consideration are washing machines/dishwashers and the need for showers, these will all impact upon the running time of the generator or engine.

Model No.	AF 400	AF600	AF800	AF1000	AF1200	AF1600	'Little Wonder'
Litre / Hour	63	94.5	126	157	189	252.4	31.5
UK Gallons / Hour	13.9	20.8	27.8	34.5	41.6	55.5	6.9
US Gallons / Hour	16.7	25	33.3	41.6	50	66.6	8.3

The production quantities above are based on the feed water being 25°C, 32000ppm. As UK water temperature is approximately 15°C, 80% of maximum production is achieved.

DIMENSIONS

	Length cm (")	Width cm (")	Height cm (")	Weight kgs (lbs)
AF400/600 Panel	74 (29 ¹ / ₈)	33 (13)	29 (11 ⁷ / ₁₆)	21.5/30 (47.4/66.1)
AF800	74 (29 ¹ / ₈)	42 (16 ¹ / ₂)	29 (11 ⁷ / ₁₆)	26 (57.3)
AF1000/1200	114 (44 ⁷ / ₈)	33 (13)	29 (11 ⁷ / ₁₆)	32/39 (70/86)
AF1600	114 (44 ⁷ / ₈)	42 (16 ¹ / ₂)	29 (11 ⁷ / ₁₆)	49 (108)
AF400/600 1.5kw motor & HP pump	54 (21 ¹ / ₄)	29 (11 ⁷ / ₁₆)	20 (7 ⁷ / ₈)	25 (55)
AF800 - 1600 2/2kw motor & HP pump	57 (22 ⁷ / ₁₆)	29 (11 ⁷ / ₁₆)	20 (7 ⁷ / ₈)	31 (68.3)
Engine Driven Pump	22 (8 ¹¹ / ₁₆)	25.5 (10 ¹ / ₁₆)	17 (6 ¹¹ / ₁₆)	8 (17.6)
LP Pump 220v	32 (12 ⁵ / ₈)	20 (7 ⁷ / ₈)	21 (8 ¹ / ₄)	7 (15.4)
LP Pump 12/24v	34 (13 ³ / ₈)	22 (8 ¹¹ / ₁₆)	19 (7 ¹ / ₂)	5 (11)
Remote Panel	12.5 (4 ¹¹ / ₁₆)	7.5 (2 ¹¹ / ₁₆)	4 (1 ⁹ / ₁₆)	0.2 (0.5)
2 Stage Pre-Filter	39 (15 ³ / ₈)	35 (13 ³ / ₄)	13 (5 ¹ / ₈)	3.5 (7.7)
Single Filter	38 (14 ¹³ / ₁₆)	23 (9)	14 (5 ¹ / ₂)	2 (4.4)

POWER CONSUMPTION

	AMPS	Volts/ Hz
AF 400	8	} 220v @50Hz
AF 600	10	
AF 800	14	
AF 1000	14	
AF 1200	16	
AF 1600	16	
Little Wonder	13	@12v

SPARES

AFVM1	Alkali Cleaning
AFVM2	Acid Cleaning
AFVM3	Membrane Pickling
AFOS1	Oil/Water Separator 10" x 2 ³ / ₄ "
AFUV2	UV Steriliser 8 watt 4 lts/min
AFFC1	Carbon Filter

LWM 200 - LITTLE WONDER MODULAR UNIT

	Length cm (")	Width cm (")	Height cm (")
Pressure Vessel Assembly	45 (17 ¹ / ₂)	8 (3 ³ / ₁₆)	10 (4 ¹⁵ / ₁₆)
Pump and Motor	16 (6 ¹ / ₄)	12 (4 ¹¹ / ₁₆)	7 (2 ³ / ₄)
Boost Pump	6 (2 ³ / ₈)	3 (1 ³ / ₁₆)	-
Pre-filter	-	6 (2 ³ / ₈)	11 (4 ³ / ₈)

AMP for Watermakers, Generators, Battery Chargers, Batteries, Fridges, Freezers and Engine Controls.

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