

AQSEP

The grass is always greener on your side

AqSep Water Makers – enjoy the luxury of your own water supply



The water makers are the ideal way of setting up a new, independent water supply, or addressing problems with existing water supply systems, if you live in coastal areas or on islands with a limited fresh water supply.

The water makers provides all you need

Your key benefits:

Establish your own water supply or back-up water system

If local regulation conditions permit, you can have access to more than sufficient water for any domestic use; or you can construct a powerful supplementary or back-up water system, in the event of problems with your existing water supply. You can also share your new water maker with neighbours or other houses in the vicinity and still have plenty of water for normal domestic use.

Abundant water

The water purifier produces up to 17,000 litres / 4,470 US Gallons per day. This is enough for the average family for domestic purposes and plenty to keep your garden lush and green, and your pool filled with cool, fresh water – every day, all year.

Mineral water quality

The water is completely clean and safe, typically at a quality level which compares favourably to mineral water.

Compact design

The water cube is slightly smaller than a washing machine and requires very little floor space. Its footprint is only 500x570 mm with a height of 950 mm. It can be placed anywhere indoors where there is adequate ventilation, and outdoors protected from direct exposure to sun and rain. The size and the design ensure that the machine will fit in any environment. After installation the water purifier will run automatically and unattended.

Environmentally friendly

The unit does not contain oil or chemicals that may adversely impact the environment. The efficient technology of the unit makes it possible to lower energy consumption, thus also lowering costs and carbon emissions.

Long service life

You are provided with the optimum component quality which will ensure a long service life.

Low production costs

The power consumption is amazingly low, meaning that production of water at full capacity will cost you less than US\$ 2 per day. Should you choose to produce less than the maximum quantity, your production costs will be reduced proportionally.

Low costs of ownership

Long service life and qualified installation and servicing of the water purifier can keep your total cost of ownership and operation, including depreciation, as low as approx. US\$ 10 per day. This makes the water maker a realistic alternative to traditional water supplies in most coastal areas.

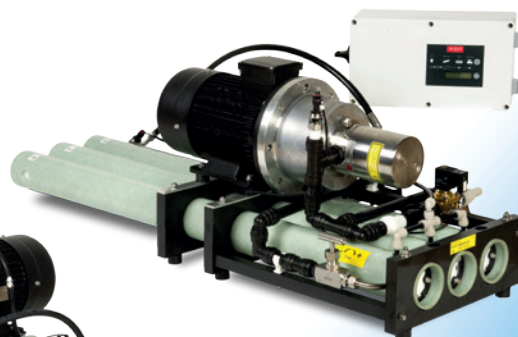




WaterCube Series
Advanced Design



WM-E Series
Record low power consumption



WM-B Series
Economical yet high quality

	Products					
	WaterCube	WM4800E-321	WM9000E-340	WM4000B-321	WM9000B-340	WM17000B-440
Unit production rate Gallons per day (liters per day)	1276 (4800)	1276 (4800)	2376 (9000)	1058 (4000)	2376 (9000)	4470 (17000)
RO membrane: Nos x diameter x length	3x3"x21"	3x3"x21"	3x3"x40"	3x3"x21"	3x3"x40"	4x4"x40"
Weight, approx. Lb (kg)	254 (100)	154 (60)	203 (80)	127 (50)	179 (71)	428 (170)
Measurements – LxWxH, inches (cm)	37.5"x22"x20" (95x57x50 cm)	29"x16"x19" (74x40x48 cm)	47"x16"x18" (120x40x46 cm)	9"x17"x16" (74x40x48 cm)	49"x16"x19" (120x40x49 cm)	54"x20"x30" (137x50x76 cm)
Power consumption (kW) kWh/1000 gallons (kWh/m³)	0.9 17 (4.5)	0.9 17 (4.5)	1.2 12 (3.3)	95 44 (11.7)	2.55 26 (6.8)	4.41 24 (6.22)
Pressure adjustment	Auto	Auto	Auto	Manual	Manual	Manual
System feed quantity – gph (lph)	315 (1200)	315 (1200)	315 (1200)	264 (1000)	344 (1300)	528 (2010)
System operation	290 to 1015 PSI (20-70 bar), seawater nominal 820 PSI (56 bar) at 25 deg. C					907 PSI (62 bar)
Power requirement	220-230 V single phase or 380-400 V three phases, 50 or 60 Hz					3x400 V 50/60 Hz
System feed pressure	Min. 7.3 PSI (0.5 bar), max. 73 PSI (5 bar), recommended 43-73 PSI (2-5 bar)					
Water connections	All connections: Hosetail fitting for a 3/4" hose, 19 mm internal dia.					
Salt rejection	Min. 99.2 %, Average 99.4%					
Salinity monitoring	Continuous TDS readout on product water (temp. compensated)					
Salinity range	1,500-45,000 mg/l TDS					
Ambient temperature range	Min. 33°F / 5°C – Max. 122°F / 50°C,					

Destinguished quality from AqSep

AqSep A/S is an international company and a leader in the development of small decentralized water purification systems & Solutions. In combining and refining mechanical and electronic industrial components we have and are continuously developing products enabling people around the world in overcoming the increasing scarcity of freshwater.

Our products help customers in several different segments. Governments,

Institutions, Hotels & Resorts, NGO programs as well as private homes are all benefitting from our technology. Our units are amongst the most efficient units on the market and in short AqSep contributes to the conveniences of modern life as well as to a safer and cleaner environment.

Through innovative design and electronics we provide robust solutions of high quality, reliability and versatility. AqSep strives to meet its goals with

minimal consumption of raw materials and energy, the least possible impact on the surrounding environment, and the most effective use of resources.

AqSep comprises a global network of Partners, Agents and Distributors with local managers who know the special needs of their markets. Sales engineers and qualified technical staff are in place to ensure that our products are sold, serviced and trusted around the world.



Government programmes

Various Governments are recognizing their responsibility in providing drinking water to urban coastal villages. The AqSep water makers are ideal for these kinds of installations due to their robustness and capability to be remotely monitored and controlled.



For resorts

Continuously and unlimited access to high quality freshwater is mandatory for all coastal resorts. Supply from ordinary sources can be costly, vary in quality and sometimes not available! With your own system, fluctuations in supply and quality are eliminated for good.



For institutions

Any institution is obliged to provide clean & safe drinking water to their clients! Reverse Osmosis is a process securing just that. For higher water demand, more machines can be installed in parallel.



For private homes

AqSep Water Makers offer solutions as an alternative to ordinary water supplies like trucked, shipped or piped water on a very competitive scale.

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