

AQUARIUS Water Management Systems



Benefits of the Aquarius Water Management System

- ★ EASY TO USE
- ★ PORTABLE
- ★ ROBUST
- ★ LOW MAINTENANCE

The Aquarius Water Management System (WMS) has been designed to provide a reliable convincing shower in any location. Providing your workforce with an easy to use yet robust system of heating water to shower temperature (40°C adjustable) and collecting contaminated waste water before filtering and pumping to the nearest drain.

The Aquarius Water Management System uses diaphragm pumps which are protected by inline filters and individual MCB's (Miniature Circuit Breaker). Diaphragm pumps are accepted as being the most reliable pumps to use in these situations, as they are not adversely affected by airlocks and low water levels. Manufactured in 5mm thick ABS, the unit is tough, easy to clean and transportable thanks to the 4 x 100mm robust castors.

Removing the front panel (which is held in place magnetically) will provide access to the MCB's and power cables. In-line RCD's (Residual Current Device) are fitted to the mains cable adjacent to the plug to provide protection in the event of a fault or damage to the cable.

The capabilities of the units are as the name suggests 50, 150, 250 & 400 litres, with the Aquarius 250 having additional heating elements and power supply. Most of the units are available in 110v or 230v configurations.

All of the Aquarius Water Management Systems are designed to be filled manually with the exception of the Aquarius 400, which can be manually filled, but also has a connection for mains water.

The water heater is activated by a level switch at the bottom of the tank.



mECaNakA

Limited

Contamination Control Equipment

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Our Range of Aquarius Water Management Systems

- ★ AQUARIUS 50 ★ AQUARIUS 150
- ★ AQUARIUS 250 ★ AQUARIUS 400



Aquarius Technical Specifications

Specifications	Aquarius 50	Aquarius 150	Aquarius 250	Aquarius 400
Capacity	50 litres	150 litres	250 litres	400 litres
Power supply	110 or 230 volts 16 amps	110 or 230 volts 16 amps	110 or 230 volts 32 amps	230 volts 32 amps
Dimensions	530(h) x 600(w) x 400(d)mm	920(h) x 650(w) x 530(d)mm	920(h) x 650(w) x 754(d)mm	880(h) x 700(w) x 1075(d)mm
Weight	30 kg	30 kg	44 kg	62 kg
Waste filters	10" Cartridge 20µ and 5µ	10" Cartridge 20µ and 5µ	10" Cartridge 20µ and 5µ	10" Cartridge 20µ and 5µ
Heater Element	2 x 1650 watt or 2 x 3000 watt	1 x 1650 watt or 1 x 3000 watt	2 x 1650 watt or 2 x 3000 watt	2 x 3000 watt
Heater Control	Operator controlled thermostat and contactors			
Heater Element Protection	Float switch and safety cut out thermostat			
Protection for Pumps	Inline quad filter of 20µ 2 amp MCB			
Pumps	Shower 18 litres/min Waste 18 litres/min	Quad diaphragm 230v or 110v Quad diaphragm 230v or 110v		
Operation	Open the tap to activate both the shower and the waste pumps. For additional waste water removal depress the foot bellows.			
Recovery of Waste Water	Automatic with shower manual override			

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