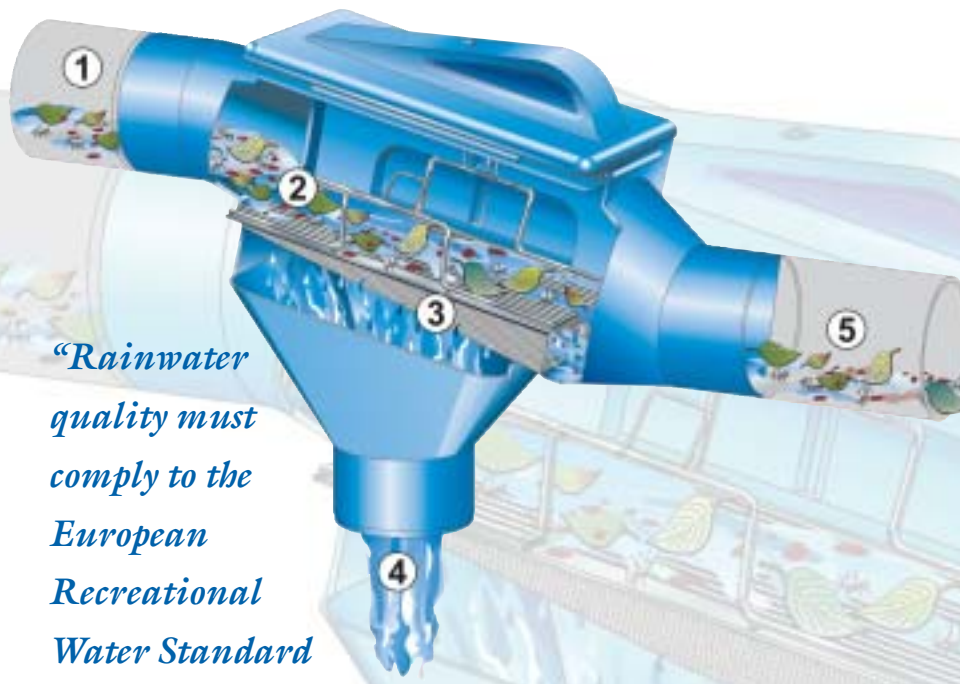


SYSTEM- Operation

Rainwater falling on the roof flows along the gutter through the down pipe into the tank, via the integrated cross flow self cleaning filter, removing unwanted particles from the rainwater. The filtered fast flowing oxygen rich water is directed down through the calmed inlet to the bottom of the tank where it is deflected upwards oxygenating existing tank water, ensuring a further natural biological cleaning process takes place. On demand the in-tank submersible pump delivers the clean water to toilets, washing machine and outside tap etc. The system also has an automatic mains water tank

top up facility, ensuring a constant water supply is guaranteed even when tank rainwater levels are low. The in-tank filter has many advantages over its competitors. The filter does not obstruct maintenance access, and has an automatic pressure wash cleaning system, using rainwater. Almost 100% of the incoming rainwater is captured. The polyethylene holding tank is manufactured specific to purpose, is of robust construction and ready fitted out, has push fit connections and telescopic entry access for adjustments to finished levels.

SPECIFICATIONS



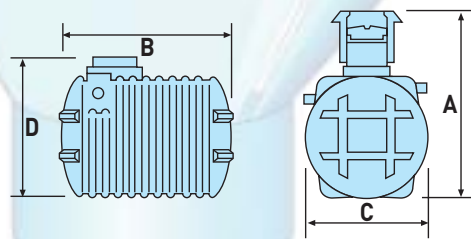
“Rainwater quality must comply to the European Recreational Water Standard No: 76/160 EWG”

- 1 Rainwater flows into filter
- 2 Larger particles are washed over the first coarse step of the S/S filter sieve
- 3 Smaller particles pass through and are washed over the second step of the filter sieve
- 4 Almost all the incoming clean rainwater flows through both steps into the tank
- 5 Coarse and fine particles are washed away into the soak away storm drain
- 6 Auto pressure wash system, using rainwater

Filter does not obstruct access into tank



Tank Size Table



Tank Type	ET 3000	ET4500	ET 6000
A height mm	2230	2610	2840
B length mm	2400	2400	2400
C width mm	1400	1750	2080
D height mm	1745	2125	2355
weight kg	150	200	270
volume L	3300	4700	6500



Submersible Pump

RAINMAN™ ELITE

RIM Wireless Technology

complete systems solutions for every application



RAINWATER SYSTEM SPECIALISTS

Freewater UK Ltd

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Elite system features

Unique features:

R I M (wireless technology)

Tank level % and minimum tank level maintenance

Pump operation, switched by pressure/flow sensors (no moving parts)

"Microrain" supported features:

- 32 character LCD display, two line clear word format
- Tank level display %
- System pressure display
- Auto test run system components 30 day cycle
- Manually test run system components
- Timed automated filter wash, 14 day cycle
- Pump run dry protection
- Leak at toilet ball cocks, taps etc, error message
- In-house pipe break, system shutdown, error message
- B M S, alarm signal facility (Main board)

Patented Technology "R I M"

"Remote Integrated Measurement", Wireless connection supporting:

- Tank level %
- Auto maintain of tank minimum level

R A I N M A N™ E L I T E

Back plate dimensions

430mm wide x 275mm high x 140mm deep

- 1 Rainwater from roof into tank
- 2 PE tank with telescopic access and 100mm push fit connections
- 3 Integrated two step fine filter c/w auto pressure wash system
- 4 Overflow siphon with rodent barrier
- 5 Overflow to soakaway/storm drain
- 6 Calmed inlet, incoming rainwater
- 7 Submersible pump with floating ball and filter sieve
- 8 Service ducting 100mm from house to tank
- 9 Rainwater supply pipe from pump to pressure/flow device
- 10 Back plate assembly (blow up picture)
- 11 Mains water supply
- 12 Mains water solenoid valve, tank min. level
- 13 Mains water pipe to service duct
- 14 Pressure/flow device, (no moving parts)
- 15 Rainwater connection to toilets, washing machine and outside tap
- 16 "R I M" Remote Integrated Measurement device
- 17 Microprocessor unit, LCD % display
- 18 Automated filter wash solenoid valve

The Freewater philosophy is to supply a complete system package, pre-assembled where possible, made easy to install using high quality components for maximum longevity.

"Back plate pre-wired and plumbed"

Freewater Microrain Technology

"Microrain" microprocessor supporting R I M (Remote Integrated Measurement) Wireless Technology tank level and minimum tank level maintenance through wireless technology. Converting hydraulic weight of water in delivery pipe from in-tank pump floating extraction hose to one way check valve on in-house back plate control. "Microrain" supports features unique to Freewater UK, 32 character default display showing tank level and system pressure, an integrated programme to auto test run system components (can run manually) and display system error messages, all in clear word format.

"Tank with integrated components"

