

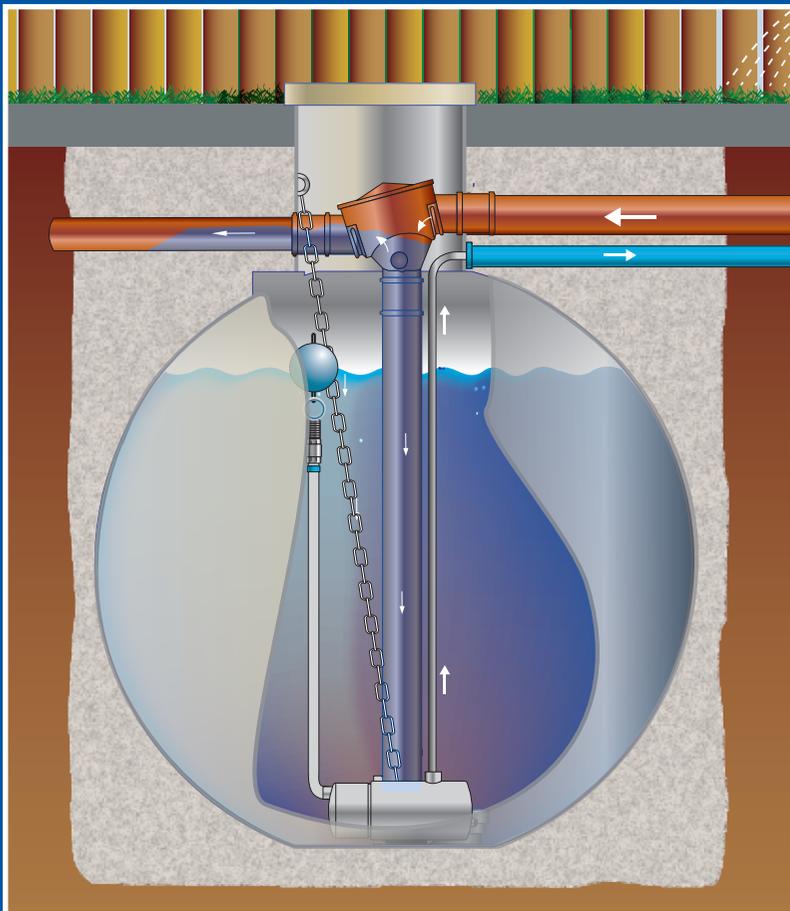


Home & Garden Rain Cell Rain Harvesting

Rain Cell is a high quality competitively priced rain water harvesting system from Marsh Industries. Rain Cell comes in two ranges Home & Garden, and Garden only. Using only 3P Technik components the Rain Cell storage tanks come in 10 different storage sizes ranging from 1100mm diameter shallow dig units to 20m³ commercial storage tanks.

The Rain Cell ranges only use 3P Technik internal components

- The Rain Cell MR1 range is for outside use only, utilising the rain for garden watering and car washing etc.
- The MR1 range includes a GRP Tank in a range of sizes ranges from 1 100 litres -12000 litres capacity, an inline filter, floating Intake, stainless steel pump and calmed inlet.
- The MR2 range is for the home and garden utilising rainwater for the washing machines, toilet flushing and outside garden usage.
- The MR2 range includes a GRP Tank in a range of sizes ranges from 1 100 litres - 20000 litres, a 3P automatic top up controller, inline filter, floating intake, stainless steel pump, solenoid, tundish and calmed inlet.





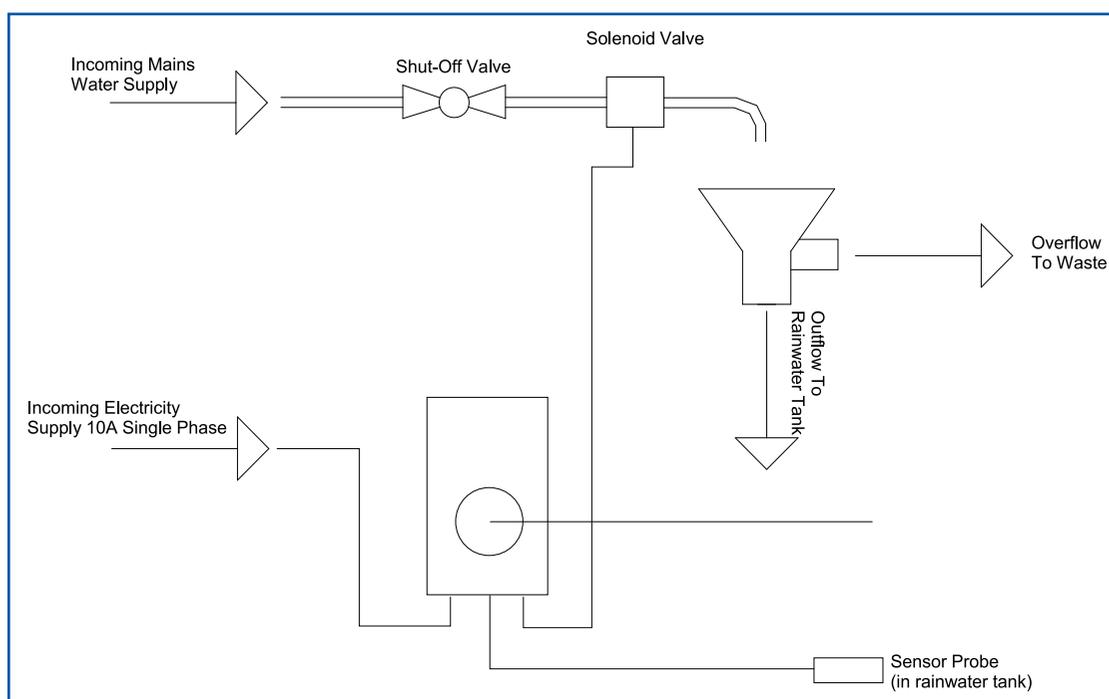
Marsh Rain Cell Harvesting System has been developed using the proven technology developed by 3P Technik in Germany. The Marsh spherical rainwater tanks have been tested and certified by TUV Sud for strength and water tightness. British Water and the Environment Agency "believe the average daily water usage by an individual in the UK is 150 litres for domestic use" if rainwater is harvested the average daily use per person can be below 80 litres from the mains supply. We have now developed two competitively priced ranges in GRP tanks for the contract housing sector. Long term access and the ease of maintenance and installation were paramount in the product design.

The systems have been designed and manufactured to ensure they comply with BSEN1717 and BSEN 8515:2009. The tanks are manufactured from High performance GRP. The Rain Cell harvesting systems uses rainwater from where it falls rather than diverting it into a surface water drainage network that can lead to flooding and potentially major disruption downstream. The Rain Cell Harvesting System reduces our demand on the precious resource of potable water, rainwater can be used for garden watering and irrigation systems along with being used for washing machines and the flushing of toilets.

The MR1 Garden Irrigation System-designed for external use, for car washing garden watering, irrigation etc. The range includes the following 3P Technik components including: Stainless Steel Pump, Inline Filter, and Overflow, Floating Intake, Calmed Inlet. The GRP tank with 500mm Access Shaft is manufactured in 2800L & 3800L sizes. The tank is fitted with Forsheda seals, lifting eyes and manhole cover.

The MR2 Home System-designed for internal use, utilising the rainwater for washing machines, toilet flushing and external use including car washing garden watering, irrigation etc. The range includes the following 3P Technik components including: Automatic Top Up Controller, Tundish, Stainless Steel Pump, Inline Filter, and Overflow Floating Intake, Calmed Inlet. The GRP tank with 500mm Access Shaft is manufactured in 2800L & 3800L sizes. The tank is fitted with Forsheda seals, lifting eyes and manhole cover. The tundish acts as an air gap to prevent the backflow into the mains supply, thus meeting the requirements of BS EN 13076. The Top Up Controller activates the solenoid to allow the mains top up, the unit is IP20 (EN60529) the noise is suppressed to meet EN50081-1.

The flow rate is 50l/min through the solenoid valve the valve meets EN60529 IP65. The stainless steel submerged pump has sufficient pressure for feeding a header tank, we would recommend that if feeding a header tank through a float valve you should use a pressure vessel to reduce run time. This method will reduce power consumption and run time of the pump. The code for the pressure vessel (24 litre) is MAR 0920116. Obviously all units fed from the header tank will have limited pressure, and some modern appliances may not work, so it would be best to feed garden taps and washing machines direct if possible.



Home & Garden Rain Cell Rain Harvesting

Garden Only Range								
Code	Design	Litres	Inlet Invert	Dia.	Height	Length	Pipe Dia	Outlet 32mm
MR1-1000	Cylindrical	1100	400mm	1100mm	1500mm		110mm	300mm
MR1-1700	Cylindrical	1750	500mm	1100mm	2200mm		110mm	300mm
MR1-2800	Spherical	2800	500mm	1750mm	2350mm		110mm	300mm
MR1-2500	Shallow	2500	500mm	1100mm	1600mm	3000mm	110mm	300mm
MR1-3800	Spherical	3800	500mm	1850mm	2450mm		110mm	300mm
MR1-3500	Shallow	3500	500mm	1350mm	1800mm	3100mm	110mm	300mm
MR1-4500	Spherical	4500	500mm	2000mm	2450mm		110mm	300mm
MR1-6000	Cylindrical	6000	500mm	1800mm	2220mm	3100mm	110mm	300mm
MR1-10000	Cylindrical	10000	500mm	1800mm	2220mm	4100mm	110mm	300mm
MR1-12000	Cylindrical	12000	500mm	1800mm	2220mm	5400mm	110mm	300mm
Home & Garden Range								
Code	Design	Litres	Inlet Invert	Dia.	Height	Length	Pipe Dia	Outlet 32mm
MR2-1000	Cylindrical	1100	400mm	1100mm	1500mm		110mm	300mm
MR2-1700	Cylindrical	1750	500mm	1100mm	2200mm		110mm	300mm
MR2-2800	Spherical	2800	500mm	1750mm	2350mm		110mm	300mm
MR2-2500	Shallow	2500	500mm	1100mm	1600mm	3000mm	110mm	300mm
MR2-3800	Spherical	3800	500mm	1850mm	2450mm		110mm	300mm
MR2-3500	Shallow	3500	500mm	1350mm	1800mm	3100mm	110mm	300mm
MR2-4500	Spherical	4500	500mm	2000mm	2450mm		110mm	300mm
MR2-6000	Cylindrical	6000	500mm	1800mm	2220mm	3100mm	110mm	300mm
MR2-10000	Cylindrical	10000	500mm	1800mm	2220mm	4100mm	110mm	300mm
MR2-12000	Cylindrical	12000	500mm	1800mm	2220mm	5400mm	110mm	300mm



Rain Cell Rainwater harvesting systems are designed for both Home & Garden and Garden only. Using GRP tanks (not polypropylene or polyethylene) can be installed in pea shingle surround in good ground conditions, a full concrete surround is needed in high water table areas.

Shallow depth units are available, Rain Cell use only 3P Technik components both ranges are easy to install and are really "plug & go".



OTHER MARSH PRODUCTS



Ensign Sewage Treatment



Septic Tanks



Pump Chambers

Polylok Filters



Warranty & Guarantee

- The minimum design life of the tank structure is twenty five years. (internally & externally)
- The pump is covered by a two year guarantee.
- The filters are covered by a five year guarantee.
- Engineered using high performance materials.
- All metal components stainless steel.



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