

Rainwater Harvesting and Attenuation Tank

Product Data Sheet

Product Description

The Stormsaver Rainwater Harvesting and Attenuation tank enables users to both attenuate, and harvest rainwater, for use in the building. This is a great advantage as with this system, rainwater is managed on a wholly inclusive level. Only when the level of water on site is exponential, does the system begin to attenuate and divert stormwater safely to drain at a controlled flow rate, as specified by the client.

The tank is a single piece, pre-fabricated system, delivered to site for simple and rapid installation.

All tanks as standard come complete with:

- 600mm diameter x 1m high access shaft
- Pedestrian duty lockable cover
- Vortex Filter
- 1 x inlet, 1 x overflow and 2 x 100mm service ducts
- Flow controls, can be supplied separately and should be fitted to the overflow.

The flow rate will be determined by the site requirements.

Tanks come in a range of sizes starting from 1500L (up to) 300,000L, in a single vessel.

Multiple tanks, can also be joined together using interconnecting pipework to create larger volumes if required.

All tanks are manufactured in accordance with BS4994 under ISO9001 Design and Build approved conditions.

Technical Information

- All standard tanks are designed to be installed with a concrete surround up to a depth of 2000mm (from finished ground level to top of tank).
- All heavy duty tanks are designed to be installed with a concrete surround up to a depth of 3000mm (from finished ground level to top of tank).

- Tank shells are engineered with the parameter and principles of BS4994.
- All tanks are made of high quality glass reinforced plastic (GRP) incorporating a Lloyds approved resin system that meets BS3496-1999 and ISO2599-1980-GLASS.
- The concrete mix required for tanks is 15N/MM2 Aggregate 25mm slump mix in accordance with BS8500
- 100% void capacity
- Fully accessible for cleaning and maintenance.



Optional Extras

Option	Details
Access Turret	Additional turret in 500mm and 1000mm lengths. If more than 1000mm is required on a standard tank then please note the tank will need upgrading to heavy duty.
Inlets & Overflows	Our range is from 100mm up to 600mm, and can be supplied to suit site requirements. They can also be moved and rotated from the standard location to suit site (subject to approval prior to manufacture). Push fit connections are standard but can be upgraded to flanged as an option.
Turret Covers	Standard covers are pedestrian duty. We can upgrade to D400 vehicle duty covers or lockable covers.
Granular Surround	If concrete is not feasible for installation we can upgrade the tank for installation with a granular surround.
Heavy Duty	Tanks being installed below 2000mm from finished ground level to the top of tank will need to be upgraded to our heavy duty tank.
Flow Control	This will be required to ensure the flow restrictions imposed on site are met.
Petrol Interceptors	Interceptor to remove fuel, oil and other chemicals from the collected water prior to the tunnels.

All optional extras are available at the relevant price.

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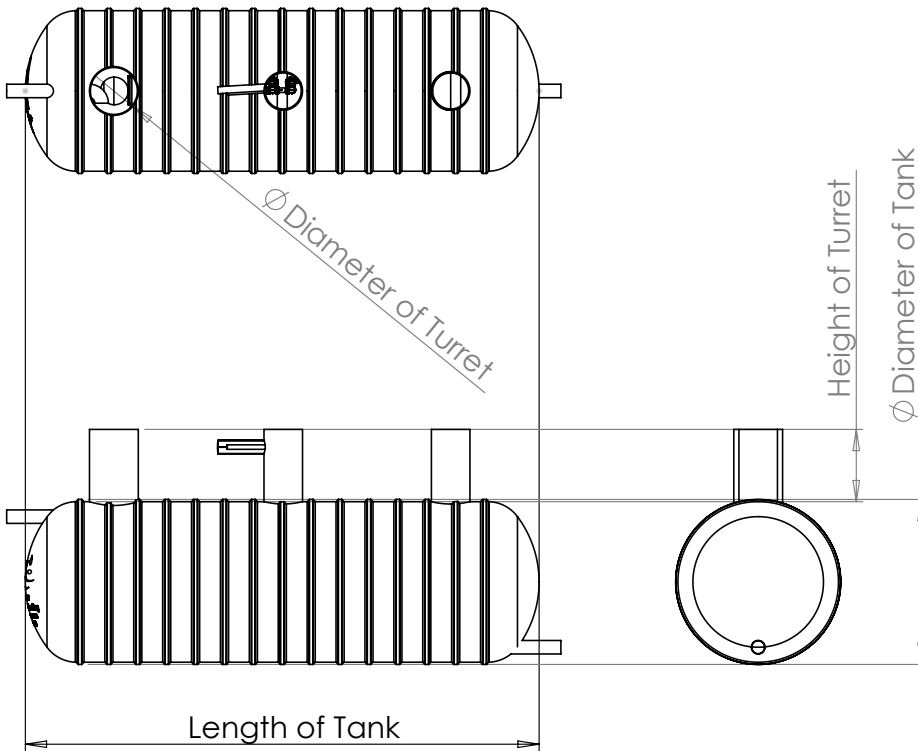
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Technical Drawing

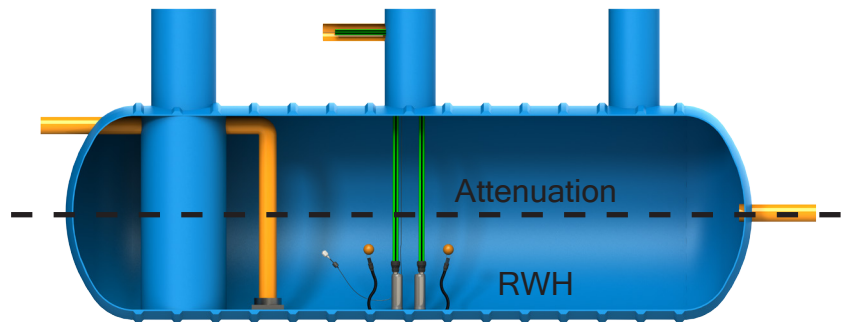
Drawing not to scale



Installed Tank Drawing

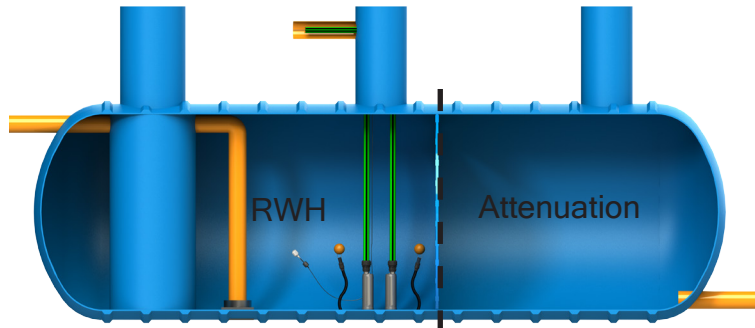
Option A

This design allows all water to mix in the main tank.



Option B

This option enables water to be separated with an internal weir. Harvested rainwater is filtered through the vortex filter. Surface water is contained in a separate section.



Drawing not to scale

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