



Product Description

The Stormsaver Active Attenuation Control Panel is an integral part of the Stormsaver Active Attenuation system. The controller receives communication links from the Stormsaver control centre at regular intervals. The controller is instructed of the current safe level of the attenuation/rainwater harvesting tank and then takes action to lower water levels, if required, by temporarily opening the Active Attenuation valve or activating a set of submersible pumps within the attenuation/rainwater harvesting tank.

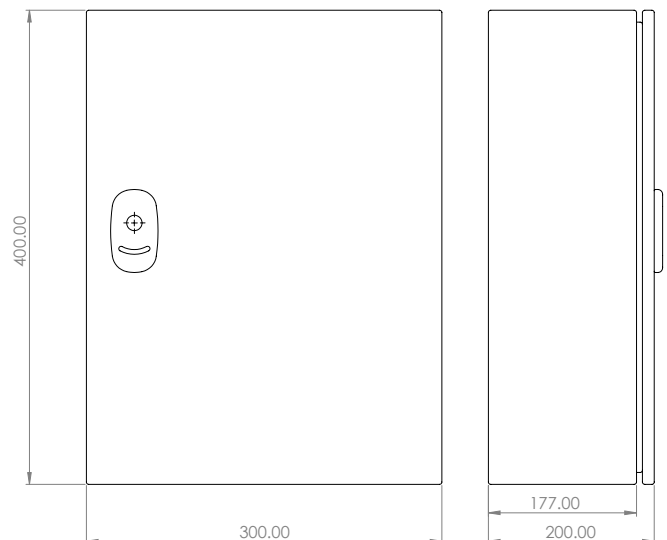
The controller is fully integrable with most site BMS systems and logs all tank levels from its date of installation.

The controller has been manufactured according to the highest technical standards for industrial use and has all necessary regulatory approvals - Including 2004/104/EC / UN ECE R10 and CE mark.

Technical Details

Colour	RAL 7035 - Grey
Housing material	Mild Steel (Guaranteed IP66 moisture resistant)
Power supply	8 - 36V DC
Back-up battery	900mA Li-ion
Weight	20kg
Dimensions	300mm (H) x 400mm (W) x 200mm (D)
Location	The unit is not weather proof and must NOT be exposed to the elements, or extremes in temperatures. The unit will need to be located so access can be gained for electrical supply, level sensor and GSM aerial. An electrical output cabling will also be required to the valve/pump controller. 12m of cabling is supplied as standard from the control unit to the water level sensor and 5m of cabling is supplied as standard from the control unit to the GSM aerial. Longer cable lengths can be provided on request.
Communications technology	2G/3G/4G, Wi-Fi & LAN communications are available

Technical Drawing



Drawing not to scale
All dimensions in mm



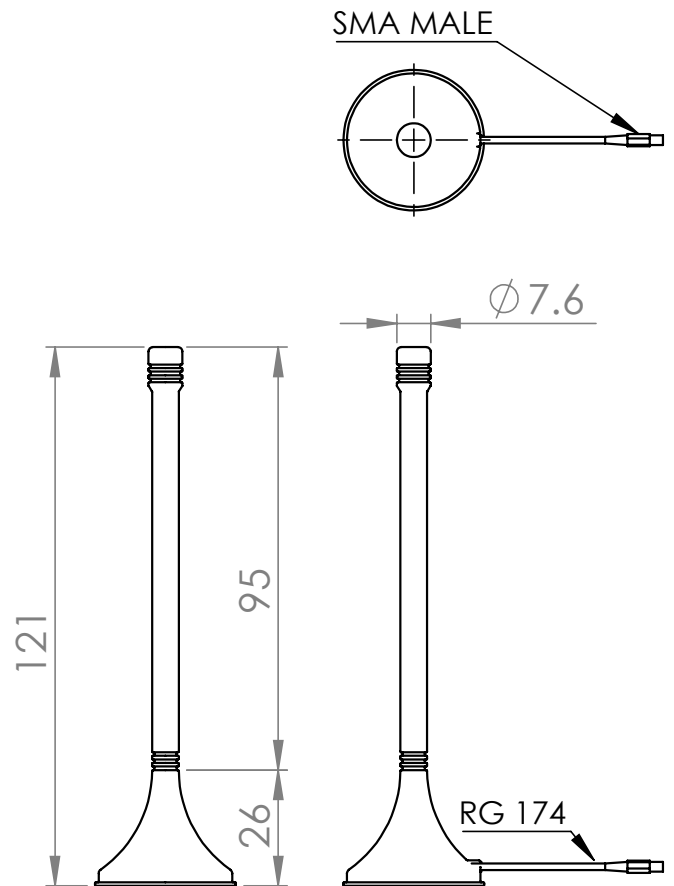
Product Description

The Stormsaver Active Attenuation aerial is an integral part of Stormsaver's Active Attenuation system. The aerial is wired directly to the Stormsaver control panel. The aerial receives communication signals from the Stormsaver control centre based on weather forecasts and usage prediction algorithms. These signals are then sent to the Control panel, which dictates the usage of attenuation capacity. The aerial must be mounted externally to the building.

Technical Details

Frequency range	824 MHz - 960 MHz 1710 MHz - 2170 MHz
Impedance	50 Ohm
Cable	R174 3m
Connector	SMA male
Operating temperature range	-40°C - +85°C

Technical Drawing



Drawing not to scale
All dimensions are in mm

System Overview



1 Stormsaver Active Attenuation Control Panel

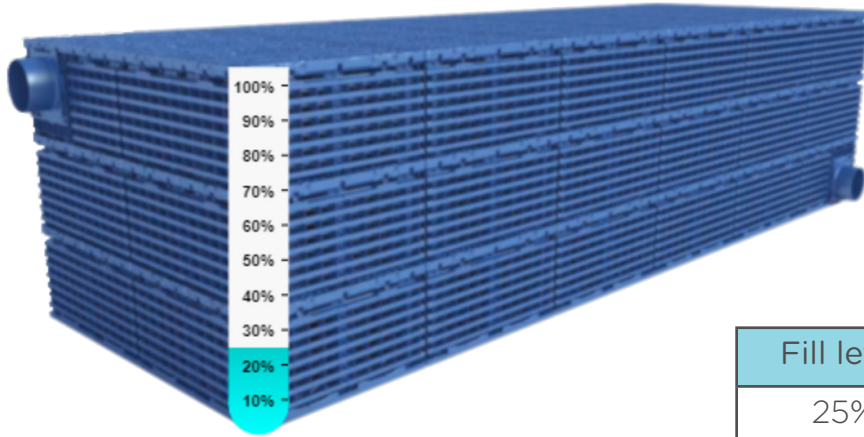
3 Stormsaver Active Attenuation Manhole

2 Stormsaver Active Attenuation Antenna

4 Stormsaver Active Attenuation Valve

Customer Portal

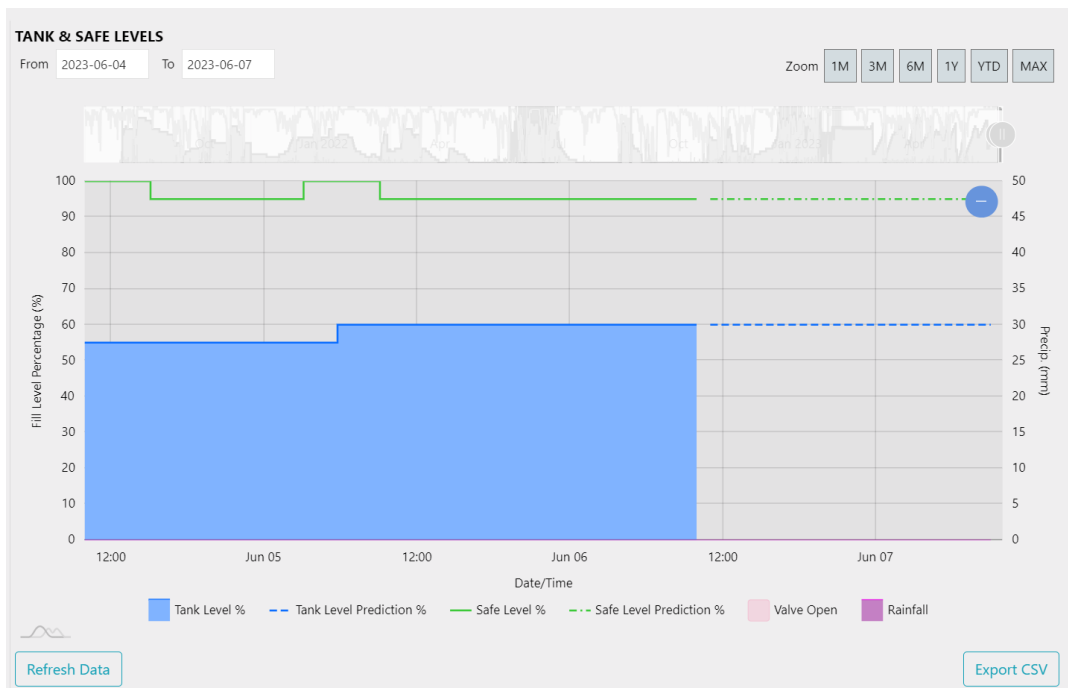
Within the customer portal, live system information is available. This includes a live readout of the attenuation tank level. A graphic is available showing the tank/crates fill level, safe level and maximum level.



Fill level	Safe level	Max. level
25%	95%	95% Override

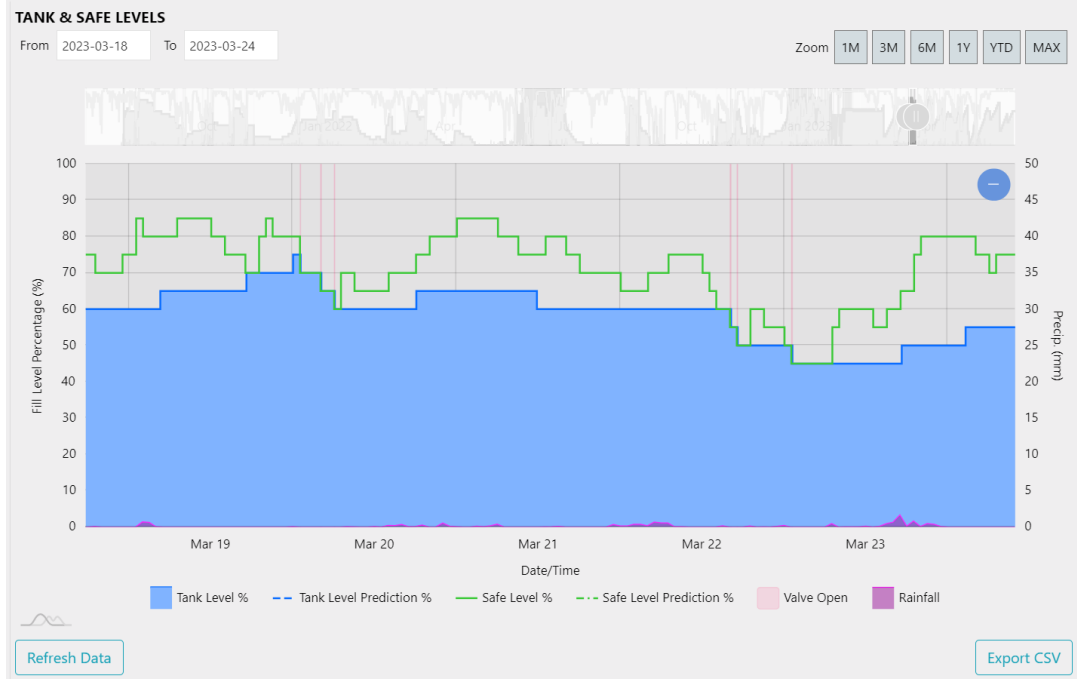
24-Hour Prediction

Predicted safe levels and tank levels are available within a personalised set period.



Safe Level Response

When the tank level surpasses the stated safe level threshold, the valve automatically opens to discharge water, thereby creating additional capacity and preventing overflow of drainage pipework. If the control panel loses connection to the MET office the valve will open automatically as a fail safe to prevent the capacity from overflowing if a rainfall event occurred.



Forecasted Rainfall Response

When a large rainfall is predicted, the valve preemptively opens to drain the tank, generating extra capacity.

