

The technology behind the Wavin StormHarvester system



A smart solution

StormHarvester technology controls water levels within attenuation or harvesting tanks by linking a valve or attenuation pump to a highly accurate rainfall runoff prediction algorithm.

With its integrated back-up battery and automated warning system for any emergencies, you can always trust the Wavin StormHarvester system to do its job.

A failsafe system

- Battery backup means the Wavin StormHarvester system will continue to work in the event of a power failure for several days if necessary.
- Operators are alerted automatically if the system identifies partial or complete valve blockages.
- The system's controller and control centre carry out system handshakes every five minutes to ensure any change in communication is quickly detected.
- The automated warning system sends emails and texts to pre-programmed devices in the event of failures, blockages or flood warnings.

Prepared for anything

The Wavin StormHarvester system assesses different weather forecasts and adjusts to cope with the worst possible rainfall outcome. It uses atmospheric pressure to detect the possibility of thunderstorms and, to date, there have been no storms worse than its predictions.

Weather forecast algorithm



FORECAST DATA
5 day forecast / 3 day forecast / 1 day forecast



DATA ANALYSIS
New data analysed every five minutes



MONITORING
Atmospheric pressure



SAFETY
Factor of safety applied when predicting runoff volumes