

AtlanChamber EcoAID

Modular stormwater detention, retention, and infiltration system



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Atlan
STORMWATER



APPLICATIONS

- Commercial developments
- Industrial developments
- Residential subdivisions
- Civil infrastructure, roads and rail
- LGA projects including schools and hospitals
- Water harvesting assets for sports fields and local park lands
- Underground applications to maximise useable land



Atlanchamber ecoAID is a modular stormwater detention, retention, and infiltration system that utilises a high-performance corrugated arch to accommodate underground installation for optimal land use. A versatile water quantity management solution, EcoAID's strong, robust, and durable formulation in combination with its customisable horizontal profile ensure its ability to meet on-site footprint requirements.

BENEFITS

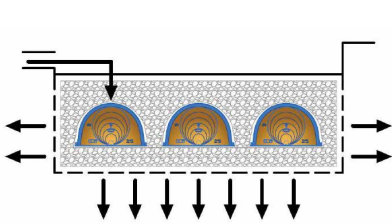


FEATURES

- Australian manufactured
- Versatile design allowing for detention, retention and infiltration application
- Modular arched system can be designed to meet custom footprints and scalable volume requirements
- Designed and tested to meet ASTM F2787 standards for arched chambers for stormwater projects
- Load rated in accordance with AS 5100.2 standards road, rail and civil projects
- Lightweight for ease of installation with reduced safety protocol and lifting requirements
- Ready to install on delivery for rapid project timelines and reduced open excavations
- High-performance infiltration capabilities

Locally manufactured to meet ISO/TS 16949 standards, ECOAid's high-quality infiltration, OSD and stormwater harvesting capabilities ensure a cost-effective alternative to imported systems with shorter lead times, efficient supply chain and streamlined logistics.

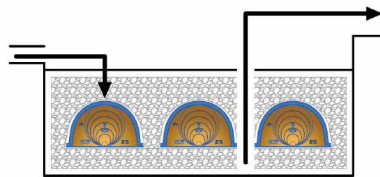
With 100-year design life, ecoAID's injection moulded, virgin polypropylene (PP) arches ensure optimum load spread – meeting trafficability standards including ASTM F2787 for civil infrastructure, roads, rail and transport applications. Scalable and modular, the system can be designed to meet a wide range of flow rates, catchment sizes and volume requirements.



INFILTRATION

The Atlanchamber ecoAID system can be used to control stormwater at 'source' by managing stormwater run-off from paved areas, impermeable roof tops, rainwater tank overflows and soft landscaped areas. Runoff from each of these sources can be directed by pipes and overland into the system where the stormwater is temporarily stored before infiltrating back into the natural ground.

In order to improve the quality of stormwater run-off before infiltration takes place, the Atlanchamber ecoAID utilises an internal treatment device called the 'Catch-All-Row'. The C-A-R effectively cleans and filters run-off water by preventing gross pollutants and fine to coarse sediments from entering the storage rows of the tank. In addition to improving stormwater quality the Atlanchamber ecoAID system greatly enhances soakage response and system emptying times ensuring local design requirements are achieved.

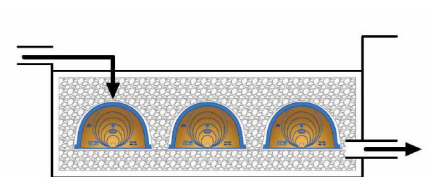


HARVESTING

Stormwater harvesting involves collecting, treating, storing and re-using stormwater runoff from urban areas and is considered to be a viable and cost effective alternative to using local town water supplies. The typical stages of any stormwater harvesting schemes are:

- Harvest (stormwater is collected from the source)
- Treat (to reduce pathogen and pollution levels)
- Store (to retain stormwater for re-use)
- Distribute (stormwater is distributed to the area of use)

Used in conjunction with a suitable liner system is an ideal solution for collecting, retaining and distributing treated stormwater for re-use in irrigation and toilet flushing applications on new sporting facilities, industrial complexes, new schools and hospital developments.



DETENTION

The Atlanchamber ecoAID stormwater management system can be designed and constructed as a stormwater detention tank (with or without an impermeable liner) to meet both permissible site discharge and site storage requirements by acting as a water storage tank and releasing this water into the local drainage network at a controlled rate.

The Atlanchamber ecoAID can also be used as part of a stormwater quality and treatment management plan by providing primary or secondary treatment measures in the form of a proprietary 'Catch-All-Row' which deals with both gross pollutants and a high percentage of total suspended solids (TSS).

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Joy in water

'We believe clean waterways are a right not a privilege and we work to ensure a Joy in Water experience for you, with your children and grandchildren.'

Andy Hornbuckle