

# ChamberMaxx™

## Corrugated, open-bottom arch system

The ChamberMaxx™ corrugated, open-bottom plastic infiltration chamber system allows you to meet stormwater attenuation requirements and maximise available land space by providing economic, storage, or infiltration below ground. By utilising subsurface infiltration, space is preserved for development or green space, runoff is reduced or eliminated, and groundwater recharge can occur.

### Proven to perform

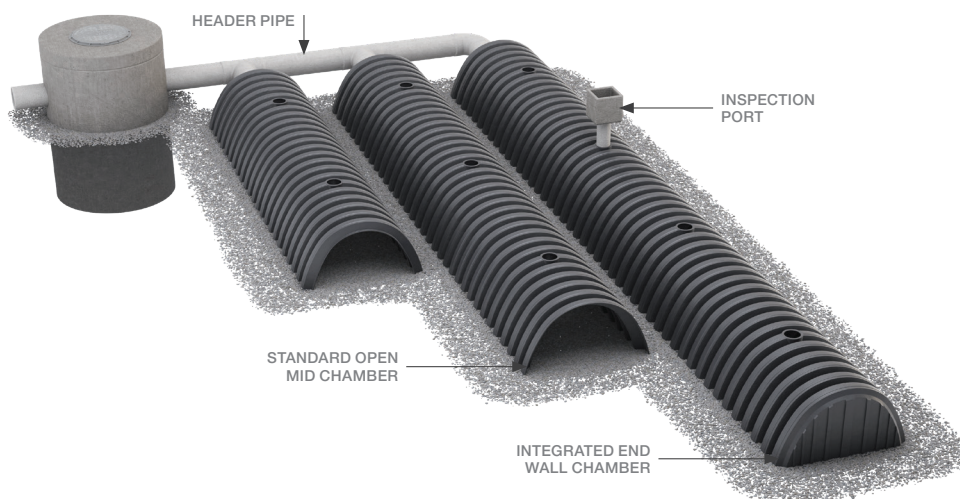
ChamberMaxx™ has undergone a thorough structural analysis by structural engineers and full scale in-ground field burial tests have been performed. The chambers are structurally designed to exceed USA (AASHTO LRFD) and comply with Australia structural loading requirements (AS 5100.2).

Structural performance is dependent on the correct installation as per the ChamberMaxx™ installation guidelines.

### Designed for flexibility and versatility

ChamberMaxx™ can be configured in a multitude of layout and configuration options. Ocean Protect can show you how it can be implemented within a site in just about any shape or configuration, to help you integrate a decentralised infiltration system that achieves your specific Water Sensitive Urban Design (WSUD) and on-site detention (OSD) objectives.

With 1.39m<sup>3</sup> of available storage per chamber, ChamberMaxx™ is a cost efficient system for the storage of stormwater. Using innovative sub-corrugation to provide greater strength, the short profile height of the chambers optimises stormwater storage on shallow sites. In addition, due to its lightweight construction, ChamberMaxx™ arches can be installed without the use of heavy equipment.





## Features

- Each chamber provides 1.39m³ of open area storage
- Low profile
- Integrated end caps
- Lightweight

## Benefits

- Maximised storage space
- Allows for infiltration on sites with shallow footprint
- Cost savings; added chamber strength over conventional concrete structures
- Arches installed by hand without the need of heavy equipment



## Configurations and Applications

ChamberMaxx™ is a modular system, resulting in the ability to meet a wide variety of site-specific requirements. Whether configured as an infiltration or detention system, ChamberMaxx™ is suitable for a wide range of applications such as:

- Commercial, industrial and residential development, infill and redevelopment and stormwater quality retrofit applications
- Incorporated into Water Sensitive Urban Design (WSUD), infiltration and rainwater harvesting and reuse systems

## Installation

- Installed by hand
- ChamberMaxx™ is available locally, resulting in short lead times and installation support is provided by Ocean Protect

## Maintenance

Please contact Ocean Protect for maintenance information and a quote.