



HydroChamber

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The HydroChamber is an arched chamber attenuation system designed specifically for building underground storage tanks for stormwater runoff in attenuation and soak away applications. Its superior design make it suitable for building storage tanks under HGV trafficked and car park areas as well as non-trafficked areas (e.g. green amenity areas). JFC HydroChambers have many advantages over other similar products including BBA/WRC certification for HGV loading, superior structural strength, silt management, maintenance and inspection capabilities and cost effectiveness.

JFC HydroChambers are manufactured from high density polyethylene plastic and are backfilled with 35/50mm clean washed crushed stone. The corrugated arch shape of the HydroChamber provides excellent structural strength confirmed by independently witnessed field tests where the chambers were exposed to loads 3.5 times greater than that expected in normal service.

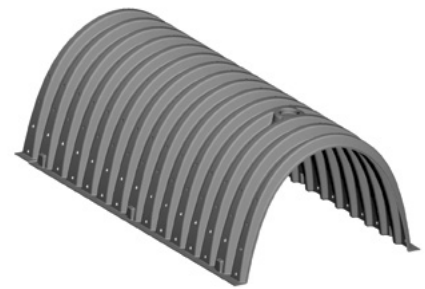
HydroChambers can be used in three different types of Stormwater management systems:

- Infiltration / Soak-away System
- Permeable Attenuation System
- Impermeable Attenuation System

A site audit will determine the most suitable system.

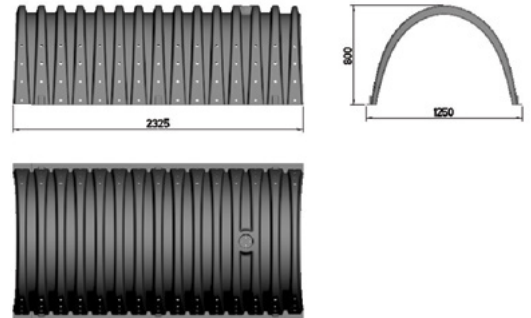
Features & Benefits:

- WRc Approval
- BBA Certification
- Superior Structural Integrity
- Visual and Camera Inspection
- Silt/Grit Management System
- Stackable for storage on site
- Design and Installation Manuals provided
- Sizing Calculator
- AutoCAD Drawings
- Full Technical Assistance
- Installation Service



HydroChamber 800 Specification

- Overall Dimensions (mm): 2325 x 1265 x 800
- Installed Dimensions (mm): 2175 x 1265 x 800
- Nominal Storage* 2.1 – 2.8m³ / Chamber
- Lateral Flow : 114 Holes x Ø20mm

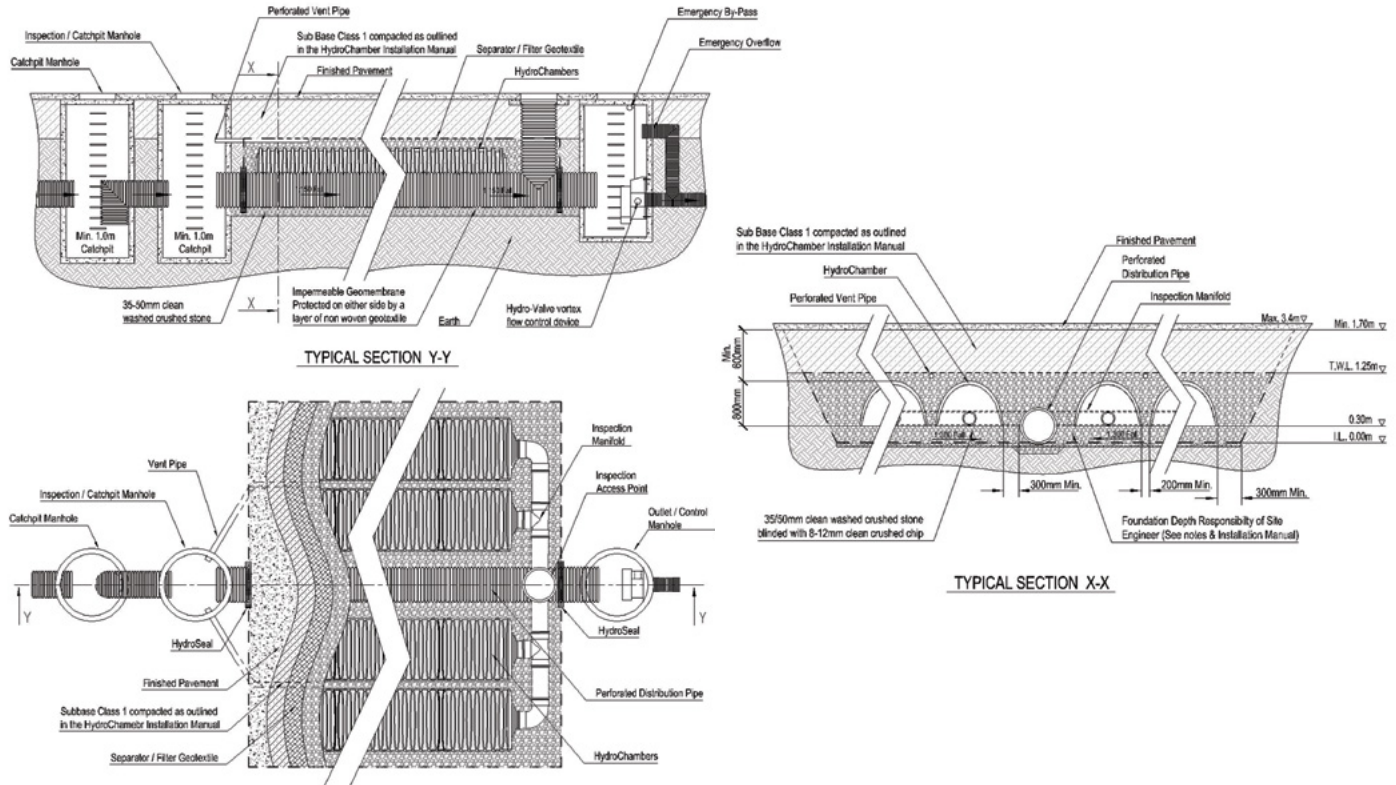


*System storage is dependent on foundation depth, distribution pipe diameter and the overall system size. See HydroChamber calculator for more details.



Inspection & Maintenance

The HydroChamber is a unique attenuation system that minimises the entrance of grit / silt due to the application of two upstream catch-pit manholes. Standard drain cleaning and inspection equipment allows maintenance and inspection to be conducted on the main distribution pipe. Chamber rows can be camera inspected as required.



Make JFC your Stormwater Management Consultant and Provider

Inspection & Maintenance

- Customised Stormwater management solutions in accordance with local authority legislation
- Tank sizing and calculations
- Detailed report (for planning permission)
- On site consultation

Supply and Installation Services

JFC offer a number of options when supplying and installing a Stormwater management system

- Supply and install
- Supply and supervise
- Supply only



All JFC Stormwater management solutions include full excavation drawings.

JFC also offer a number of services to enhance the supply and installation of the Stormwater management system.

These include:

- | | |
|---------------------------------|---------------------------|
| • Full Design Service | • Design Manuals |
| • Stormwater Management Reports | • Installation Manuals |
| • Excavation drawings | • WRc / BBA Certification |
| • AutoCAD Drawings | • Technical Presentations |
| • Excel Calculators | • Local Authority Support |



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