

Bespoke stormwater fabrication service

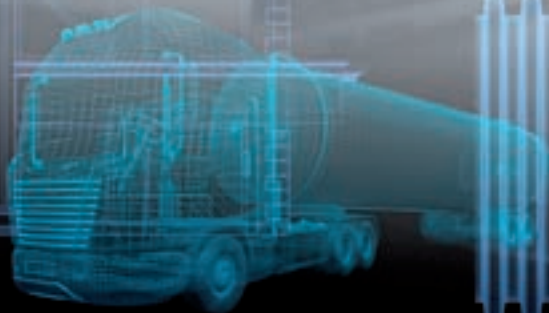
Precision engineered for optimum performance

Geared to exact strength and rigidity requirements

Stiffness classifications from SN2, 4, 6 and 8

Specifications to fit custom projects

Bespoke solutions for any scale project



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In water management for commercial builds in general, and in the fabrication of bespoke components in particular, our expertise works to your advantage.

As a global leader in the manufacture of high-performance plastic systems, emanating from over 30 production sites, we are uniquely qualified to assist you.

We connect market leading systems – like OsmaDrain, Osma UltraRib, Wavin TwinWall and Wavin AquaCell – with technical expertise, design resources, vast applications experience and project support.

Our award-winning designs and innovations deliver world-class benefits and measurable gains in performance and sustainability.

And we link regulatory requirements to qualified advice and compliant solutions.

At every stage – from initial planning and on-site issue resolution to assured one-source supply and product certification at handover – we connect you to bespoke solutions, better partnerships, better value and better outcomes.



Constructionline
A UK GOVERNMENT CERTIFICATION SERVICE

Registration No. 154146

Use our registration number to source information directly from the Constructionline database.

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Fabricated stormwater solutions. Made to measure to perform better

In meeting the very specific challenges of large-scale commercial builds, Wavin is widely recognised as a leader in the supply of end-to-end stormwater solutions.

Our fabrication service fine tunes that expertise, tailoring it and the resulting components precisely to the needs of each installation.

It's about engineering a bespoke solution to deliver better performance, greater cost-efficiency and regulatory compliance.



Expertise in depth

In any road, industrial or commercial construction project, compliant water management is one of the essential elements that everybody has to contend with.

Wavin's depth of expertise in stormwater management makes us uniquely qualified to assist. We have well proven project management skills to offer customised and sustainable solutions that deliver guaranteed performance and optimum customer value.

Perfectly tailored to your project

Our fabrication service isn't restricted to the precise tailoring of components. We can shape our entire service to meet your needs, working in partnership to create a bespoke solution with you.

We can be involved and contribute from the very earliest stage – engaging our considerable technical resources to originate project designs, comment on existing designs, validate specifications or suggest value engineering ideas that seek to optimise performance and value.

And we continue to contribute right through to completion – reducing risk, supporting project scheduling and ensuring that calculated performance is realised on site.

Fabricated for optimum performance

To achieve the most efficient, effective and compliant stormwater drainage systems for large scale projects, fabricated components are the optimum solution.

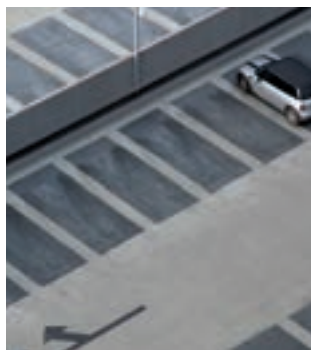
In many instances, off-the-peg components simply cannot deliver the performance that the characteristics of a particular scheme dictate.

Created from the ground up to precisely mirror the demands of each site, our fabrication solutions are literally shaped by the geology and dependencies of your application. The result is optimal performance – a purpose-made design engineered to deliver the optimum capacity and flow, less silting, a reduced risk from vermin and seamless integration with other components.

Quality assured

Built on a 60-year pedigree, Wavin systems are a recognised benchmark for excellence, precision and performance, complying with or exceeding all relevant British and European standards.

Our bespoke solutions carry the same reassurance and guarantee of quality, reliability and long-life service.

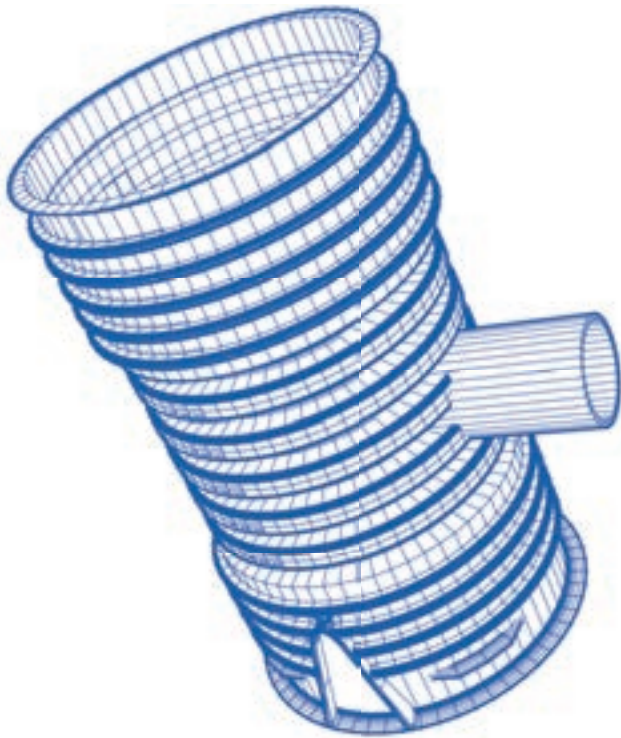




The product of experience

Our fabrication service provides seamless integration with off-the-shelf components, perfectly balancing high efficiency with economy, and delivering an end-to-end capability to capture, attenuate, clean and disperse stormwater safely and effectively into the surrounding land.

The following pages give an overview of the key components we create but, as by its nature fabrication is bespoke, we are always happy to discuss non-standard solutions.



Fittings

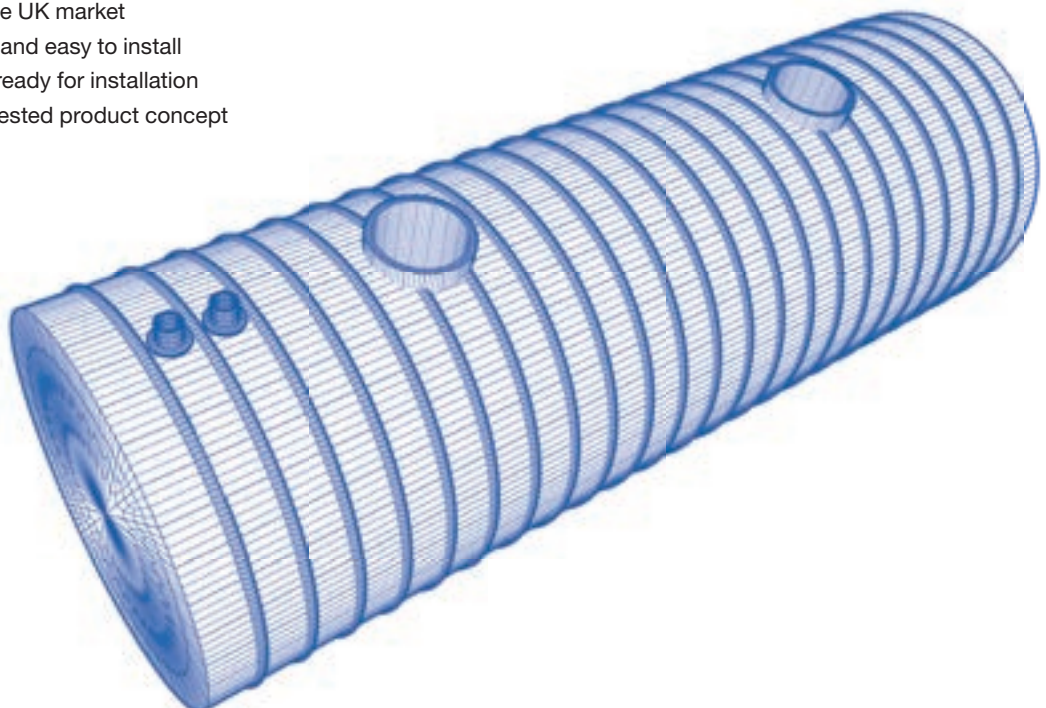
A range of plain ended or socketed fittings for use with either 110mm or 160mm OsmaDrain, or 150mm to 300mm Osma UltraRib, or 100mm to 1500mm Wavin TwinWall. Suitable for use in domestic, commercial, industrial and adoptable applications (in the case of OsmaDrain and Osma UltraRib).

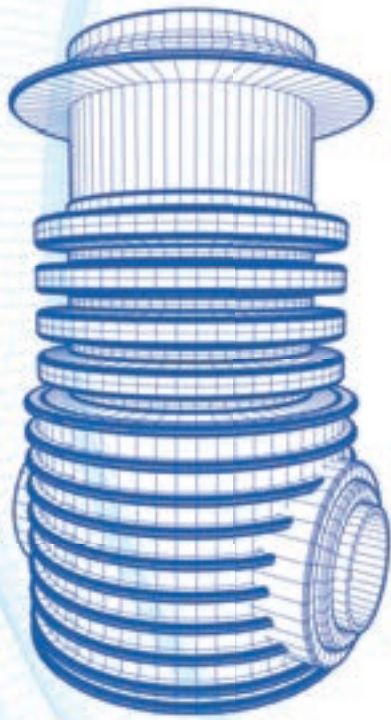
- ⌚ Available in 100mm up to 1500mm diameters
- ⌚ Lightweight, yet extremely robust
- ⌚ Reduced health and safety risk during installation and service

Tanks

Wavin Attenuation Tanks are designed for both residential and commercial projects to collect stormwater discharge from hard-standing areas. Fabricated from structured wall pipe and ideal for any application.

- ⌚ Specially designed for the UK market
- ⌚ Robust, as well as quick and easy to install
- ⌚ Comes pre-assembled, ready for installation
- ⌚ Based on a proven and tested product concept





Inspection chambers

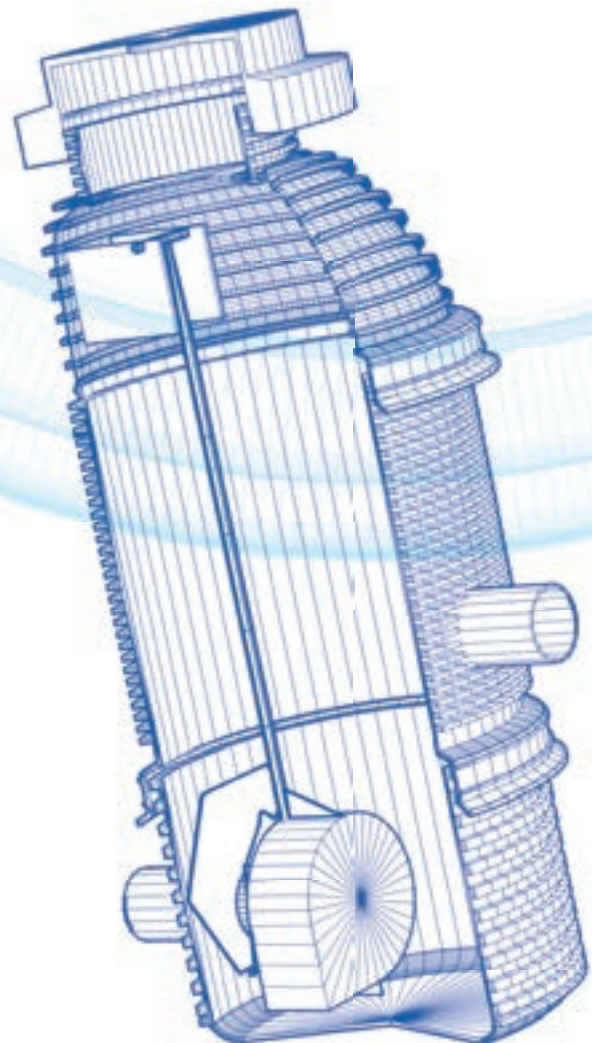
The Wavin range of bespoke inspection chambers are designed for use with OsmaDrain, Osma UltraRib and Wavin TwinWall pipe systems. The inspection chambers are suitable for use in all types of applications, both shallow and deep.

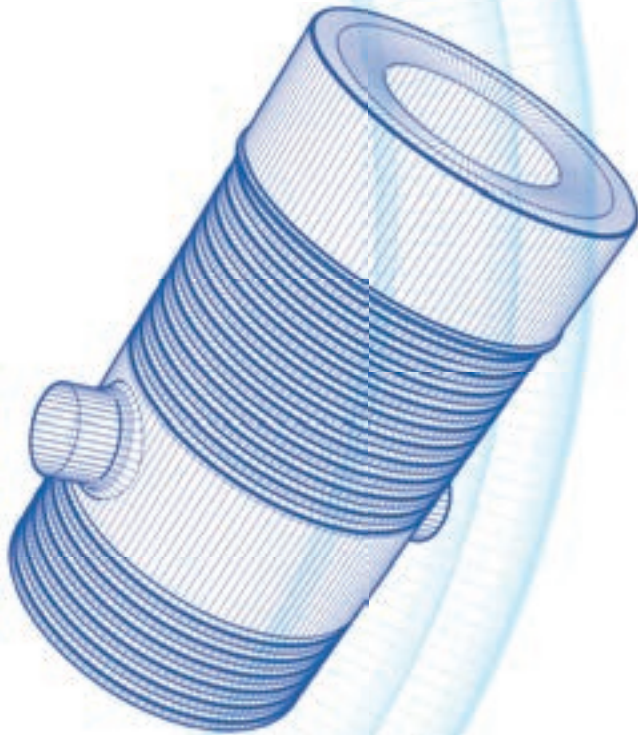
- ⌚ Designed for use with Wavin's extensive range of 110mm up to 1500mm foul and stormwater drainage systems
- ⌚ Choice of chamber sizes
- ⌚ One-piece shaft sections
- ⌚ Fully welded watertight solutions
- ⌚ Depth of chamber bespoke to customer requirements

Flow control chambers

The Wavin vortex flow control chamber comprises a pre-fabricated plastic chamber in a range of diameters. Supplied pre-installed with an integral vortex flow control device, which allows precise control of site discharge from an attenuation storage system. Vortex flow control devices are widely recognised as the most hydraulically efficient means of flow regulation. The design of the Wavin control unit utilises no moving parts, meaning they are virtually maintenance free.

- ⌚ Vortex flow control housed within a sealed chamber for 'plug and play' installation
- ⌚ Integral sump for silt catchment with 3 optional drain-down systems to ease maintenance and silt removal
- ⌚ Choice of depths up to maximum invert level of 6 metres
- ⌚ Pre-installed, factory fitted vortex control device saves time and expense on site





Catchpits

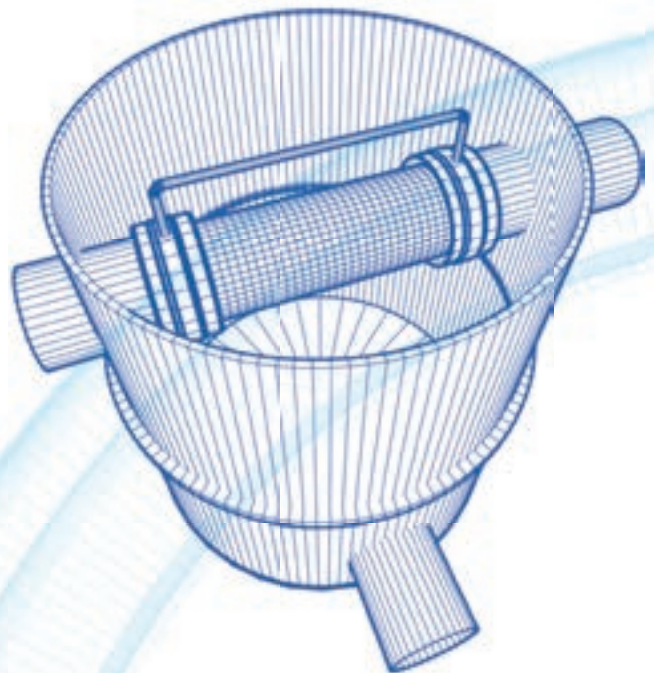
Our range of catchpits are designed to be used in conjunction with any attenuation or soakaway system, for example Wavin AquaCell. They provide easily accessible maintenance points prior to the attenuation or soakaway structure.

- ⌚ Lightweight chamber design
- ⌚ Tough, durable product
- ⌚ Pre-fabricated off-site and delivered ready to be installed
- ⌚ Choice of chamber sizes
- ⌚ Inlets and outlets supplied with integral sockets as standard

Filters

Utilising the latest filtration technology, the Wavin Hydrodynamic Separator (HDS) helps remove contamination from road areas to enable clean water to enter the watercourse or soakaway structure. The HDS is delivered to site within a pre-fabricated chamber, reducing installation time dramatically and providing an innovative solution to the issue of surface water quality.

- ⌚ Treated surface water run-off can be discharged directly into watercourses
- ⌚ Delivered to site within a chamber for quicker, easier and safer installation
- ⌚ Low maintenance



Optimum stormwater management

The Wavin Stormwater Management System uses a combination of specialist expertise and technology. Delivering the optimum solution for each project may be entirely based on a tailored combination of our engineered systems, while in other cases, Wavin Stormwater Systems can be integrated with 'soft' SUDS techniques, such as ponds and swales, to help achieve the optimal solution.

The Wavin Stormwater Management System includes:

Channel Drainage

Environmentally-friendly polyester concrete systems to cover all EN 1433 load classes. With outstanding chemical resistance and low water absorption:

- ⌚ **PolyChannel SK** range: general purpose channel for applications up to E600
- ⌚ **PolyChannel SKS** range: heavy duty channel for applications up to F900

Plastic Pervious Paving

High performance, plastic pervious paving system, for use in all types of Sustainable Drainage systems (SUDS).

- ⌚ **AquaGrid 50** – for use in landscape projects
- ⌚ **AquaGrid 75** – for use in car parking areas

Roof Drainage Systems

- ⌚ **Wavin QuickStream** Siphonic Roof Drainage Systems
- ⌚ **Osma** Gravity Roof Drainage Systems

Below Ground Water Transportation

Wavin stormwater installations can draw from an extensive choice of plastic and clay water conveyance systems, including:

- ⌚ **OsmaDrain** solid wall PVC-U pipe system
- ⌚ Structured wall plastic **UltraRib** and **TwinWall** pipe systems
- ⌚ Hepworth **SuperSieve** clay pipe systems

Other options include perforated pipe for land drainage: **WavinCoil** plastic and **HepLine** clay – and a full range of **Wavin Non-Entry Inspection Chambers**.

Flow Control Valves

The Vortex Valve range can be custom-built to suit site conditions:

- ⌚ Stainless steel units with no moving parts or power needs

Anti-Flood Valves

- ⌚ **Anti-Flood Valves** that comply with EN 13546-1, and Part H1-Sections 2.8-2.12 of Building Regulations

AquaCell Systems

AquaCell units are a fully tried and tested and fully BBA approved modular solution for managing excessive rainfall. Units are assembled to create an underground structure as either a temporary storage tank or soakaway.

- ⌚ **AquaCell Eco** has been designed primarily for use in: shallow, non-trafficked, landscape applications
- ⌚ **AquaCell Prime** has been designed primarily for use in: regular trafficked situations i.e. car parks up to 12,000kg (GVW) in either shallow and/or deep applications
- ⌚ **AquaCell Core** has been designed primarily for use in: regular/heavy trafficked situations i.e. HGV loadings up to 44,000kg (GVW) in either shallow and/or deep applications
- ⌚ **AquaCell Plus** has been designed primarily for use in: heavily trafficked and/or inspectable situations i.e. HGV loading up to 44,000kg (GVW) in either shallow and/or extra deep applications

Oil Separators

A comprehensive range of **NS Oil Separators**, tested to EN 858 Class 1 standard and complying with PPG-3 legislation for England and Wales.

Commercial Rainwater Re-use

Compact, high quality systems for any type and size of building.

The Wavin Stormwater Service



With technical advice, application expertise and the highest performance components, our Stormwater team are ready to contribute to any stormwater management project. This can be from the very outset or when initial plans have already been developed.

We are ready to:

- ④ Originate project designs
- ④ Comment on an existing design
- ④ Help validate a specification – or, where we see an opportunity to do so, to suggest how it may be enhanced
- ④ Check, clarify and confirm maximum cost-efficiency, performance capability and regulatory compliance

Draw on our fabrication expertise

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