

Hydro-Brake® Optimum Vortex Flow Control



Manage low, moderate and high flows to deliver sustainable drainage from single sites to large networks.

Hydro-Brake® Optimum can be fine-tuned for optimum flood storage and surface water performance, saving on land-take and construction costs. With no moving parts and no power requirements, the Hydro-Brake® Optimum provides reliable, low-maintenance, and engineered flood management as part of green infrastructure developments.

Our most popular Hydro-Brake® Optimum, the Hydraulic Efficient unit incorporates an adjustable inlet as standard. This will allow engineers to future-proof their drainage designs with up to a plus or minus 20% change in design flow, should additional developments or urban creep cause an increase in flows, saving the cost of a replacement flow control.



To find out more about the adjustable inlet...

Benefits

Custom designed, precision-engineered flow control for optimised drainage performance.

Built-in future proof adjustability as standard with Hydraulic Efficient units.

Save time and money on site with flexible and easy installation.

Reduce storage requirements and cut costs with better performance.

Rely on a BBA and WRC certified product.

Performance

The Hydro-Brake® Optimum has been assessed to the very highest level by the BBA and WRC for its hydraulic performance and ability to match even the most complicated requirements. Demonstrating our commitment to both quality and sustainability, Hydro International is also accredited to both ISO 9001 and ISO 14001 standards.

Mounting Options

Where units are to be fitted on-site, we provide a variety of mounting options:

Lugs

Push-fit spigots

Flat or curved mounting plates

Penstock or slide mounts

Removable units

Applications

Surface water management and Sustainable Drainage Systems

Combined drainage systems and CSOs

Watercourse flood prevention

Sewer network optimisation

Wastewater treatment plants