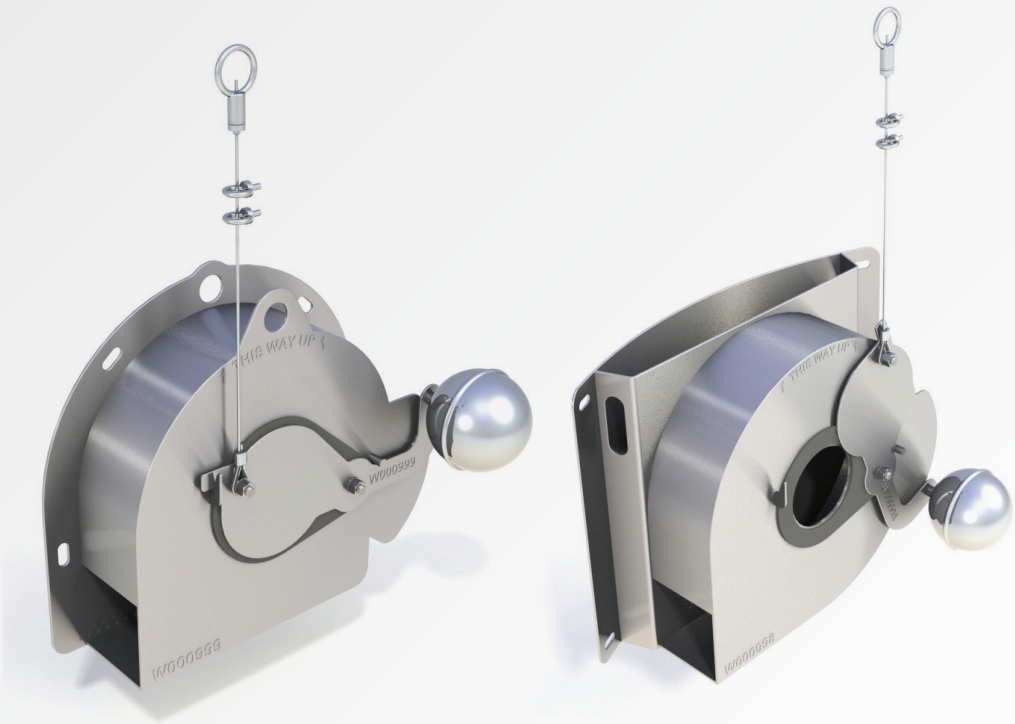
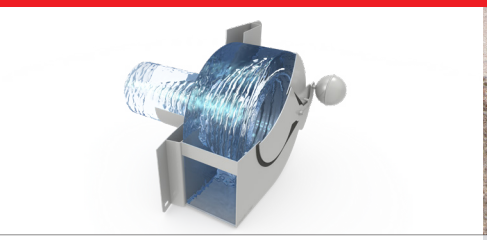
ACO Q-Brake Flow Control System

PRODUCT DATASHEET

- Custom built to suit the site requirements
- Available from 2-100 l/s and up to 3m design head
- Manufactured from grade 304 stainless steel
- All parts welded to BS 4872
- Available with curved or flat back
- Attenuation volume required reduced
- Larger* clear opening, reduces risk of blockage

*Larger than traditional orifice plates

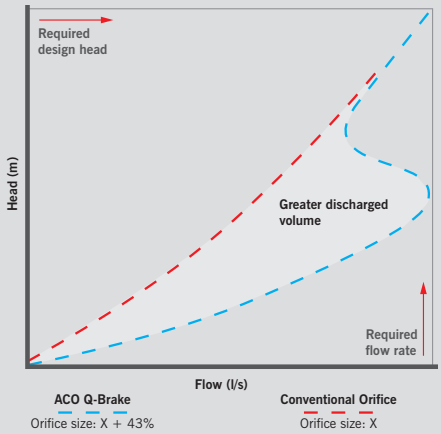




ACO Q-Brake

Discharge characteristics

ACO Q-Brake is a horizontal vortex flow control designed to prevent downstream flooding by controlling the release of storm water before it discharges into the water environment.



Designed to regulate storm water flows from 2 -100 litres per second, ACO Q-Brake is tailored to the specific performance requirements of the application providing optimum efficiency within the drainage system.

ACO Q-Plates can be used for larger sizes Both this and ACO Q-Brake can be supplied with a durable plastic chamber, ACO Q-Chamber.

- ACO Q-Brake is available as a model in both microdrainage & causeway flow hydraulic design software
- ACO Q-Brake has many water authority approvals

ACO Q-Chamber

ACO Q-Chamber is a new durable bespoke prefabricated chamber designed to house ACO Q-Brake, as well as ACO Q-Plate. It combines easy-handling and simple installation with a fully-welded plastic, durable construction.

Key benefits

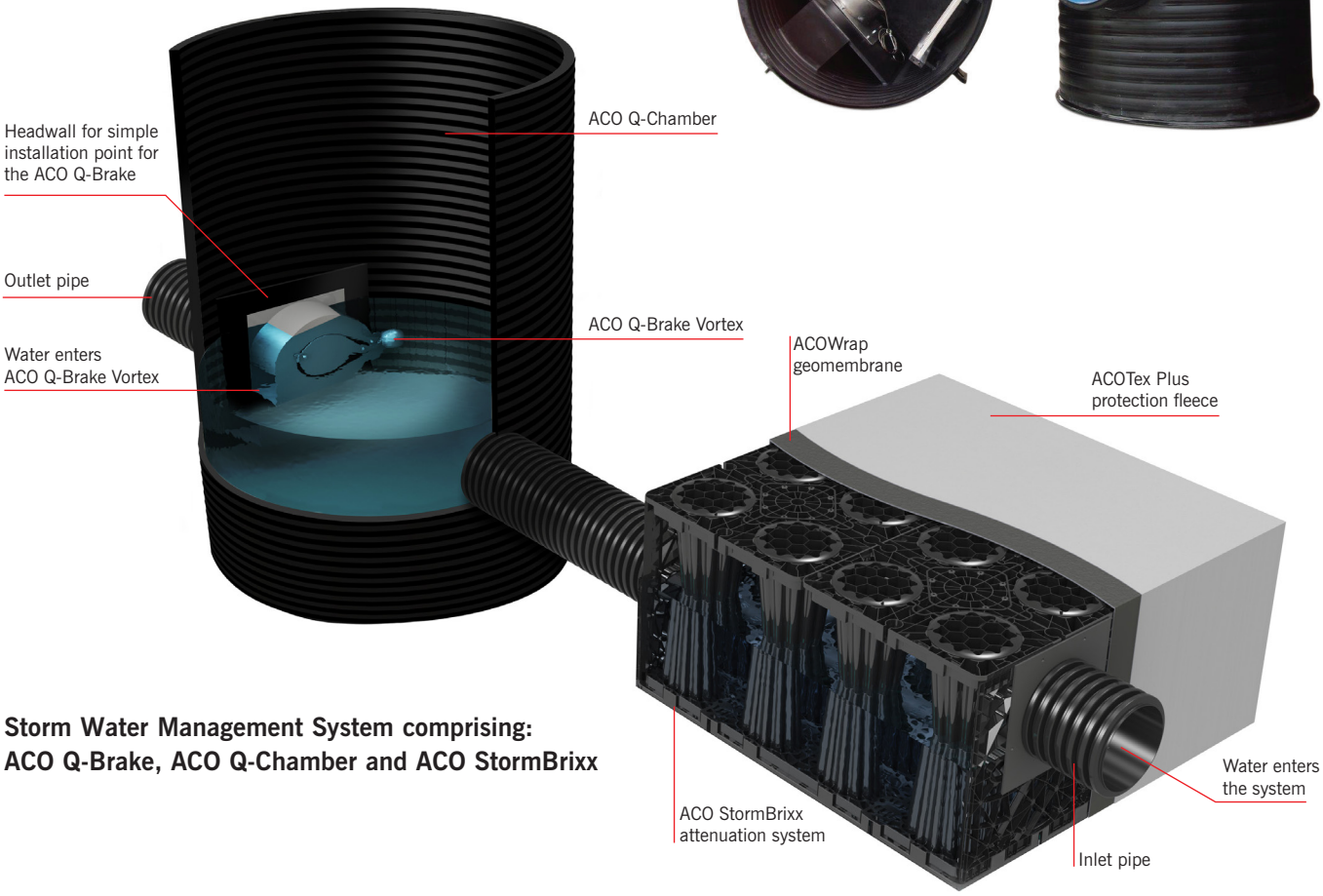
- Easy transportation and installation
- Minimise working time in a confined space
- All plastic interfaces fully welded, watertight and spark tested
- Available in a structured wall HDPE plastic chamber with a solid HDPE baseplate
- Bespoke fabrication of chambers with inlets and outlets in twin-wall pipe for simple connection
- Chambers available in*:
  Diameters 900mm – 2100mm
  Height 1000mm – 3500mm

*other dimensions available on special request

Parameters to quote:

ACO Q-Brake: Design head (m) & Flow rate (l/s)

ACO Q-Chamber: Depth to invert / Diameter of the chamber / Number of pipe connections / Diameters of pipe connections



Storm Water Management System comprising:
ACO Q-Brake, ACO Q-Chamber and ACO StormBrixx

ACO Q-Brake and ACO Q-Chamber are manufactured to order, each specifically optimised for the design parameters of the project.
For our dedicated stormwater management team, please contact: **uk-swc@aco.co.uk** Tel: **01462 816666**

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