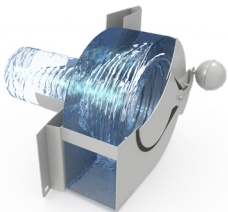


ACO Q-Brake Flow Control System

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

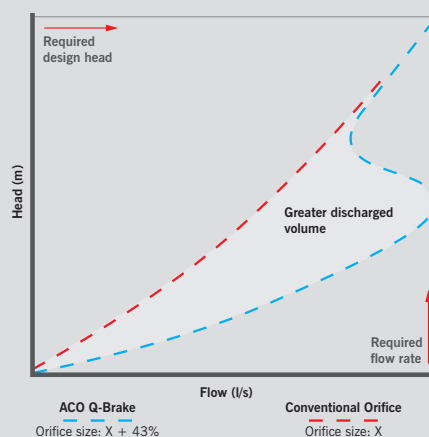
*Larger than traditional orifice plates



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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