

Q-Brake Design and Performance Report

Project Details

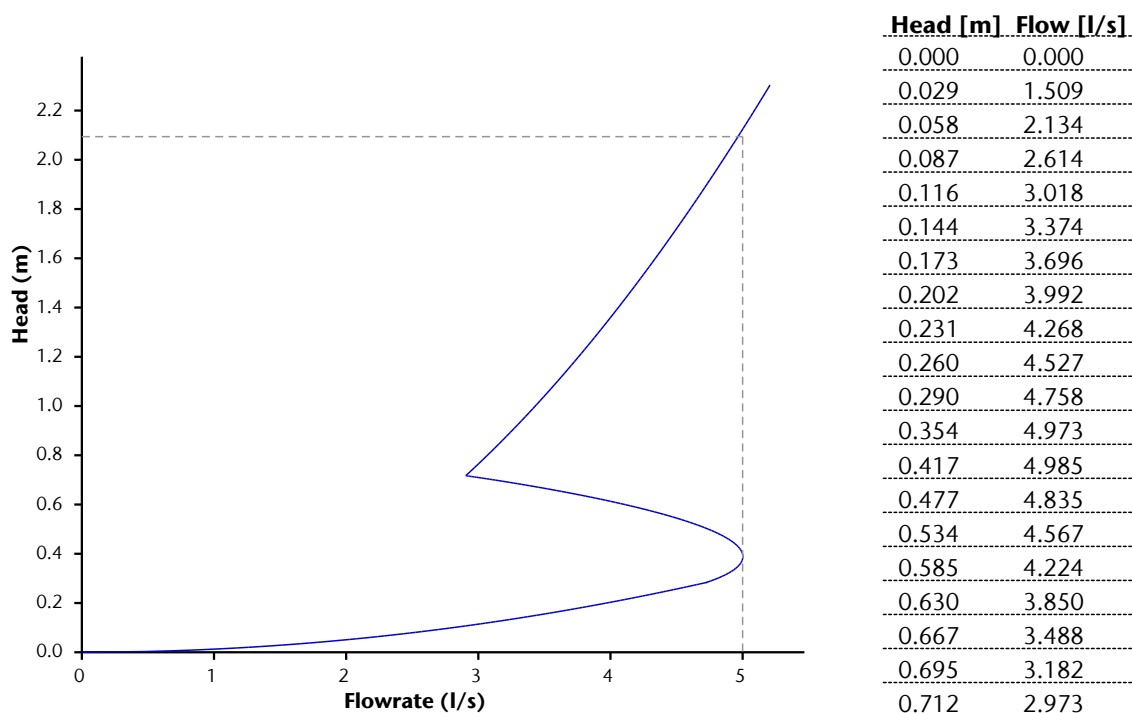
Project : DES027890-Q-Brake
 Chamber Number : 1
 Chamber Name : New Chamber

Reference

Design Reference : 00010336
 Created by : ACO Technologies
 Date Produced : 31-07-2025

Design

Description	Size [m]	Description	Rate [l/s]	Description	Model
Design Head	2.094	Design Flow Rate	5.000	Design Style	Flat Back



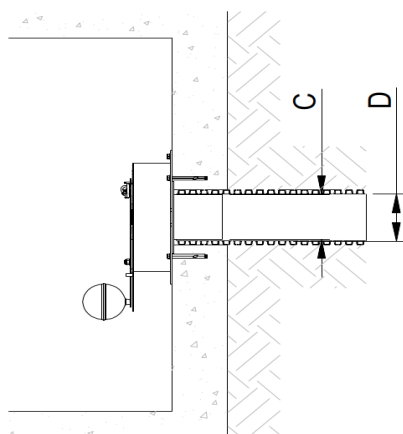
Specification

Description	Height [m]	Rate [l/s]	Description	Size [mm]
Flush Flow	0.317	4.88	Minimum Outlet Pipe Diameter	150
Reattachment	0.717	2.91	Minimum Sump Depth	369
			Minimum Chamber Diameter	1050

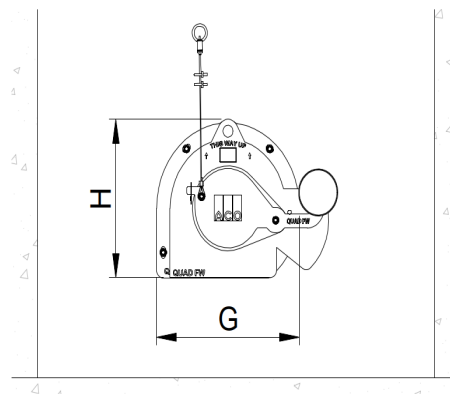
Disclaimer: This design only applies to ACO Q-Brake and ACO Q-Plate products and no other parties' products. It is the responsibility of the designer ('user') to verify that the design parameters have been entered correctly and that relevant industry standards and guidelines have been taken into consideration. ACO Q-Brake and Q-Plate are intended to be used with surface water only.

ACO Q-Brake Dimensions

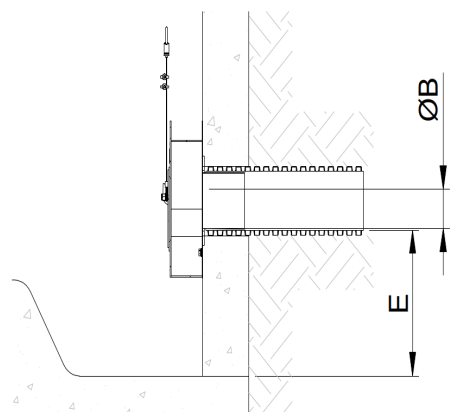
Model: QB450



Plan View



Front View



Side View

Flow Control Dimensions

Key	Description	Size [mm]
B	Orifice diameter	90
C	Outlet Spigot OD	145
G	Overall width	545
H	Overall height	479

Chamber/Pipework Dimensions

Key	Description	Min [mm]	Design [mm]
D	Outlet pipe DN	150	150
E	Sump depth	369	
F	Chamber diameter	1050	1200

* Design dimensions shown are as selected by the designer.

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