

ACO QuAD-VFC

HEXA

Q-Brake Design and Performance Report

Project Details

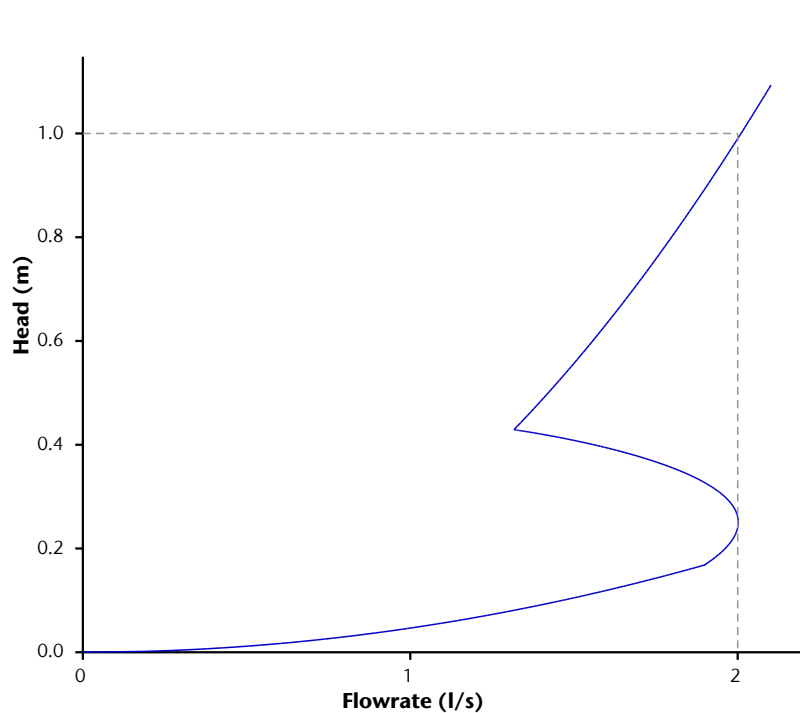
Project : DES027491-Qbrake
Chamber Number : 1
Chamber Name : New Chamber

Reference

Design Reference : 00009936
Created by : ACO Technologies
Date Produced : 15-07-2025

Design

Description	Size [m]	Description	Rate [l/s]	Description	Model
Design Head	1.000	Design Flow Rate	2.000	Design Style	Flat Special



Head [m] Flow [l/s]

0.000	0.000
0.017	0.603
0.034	0.853
0.051	1.045
0.068	1.206
0.085	1.349
0.102	1.478
0.119	1.596
0.136	1.706
0.153	1.810
0.168	1.898
0.217	1.984
0.262	2.000
0.301	1.959
0.335	1.876
0.364	1.766
0.387	1.643
0.405	1.522
0.419	1.418
0.426	1.344
0.429	1.317
0.497	1.417
0.565	1.510
0.632	1.598
0.700	1.682
0.768	1.761
0.836	1.838
0.903	1.911
0.971	1.981
1.039	2.049
1.093	2.102

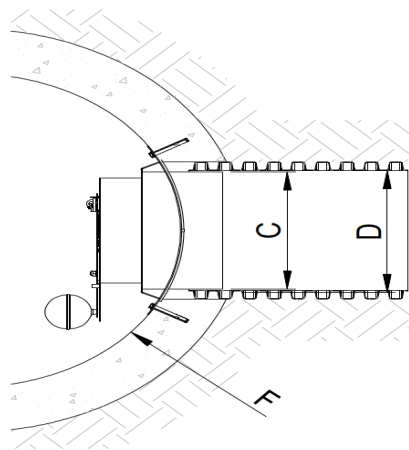
Specification

Description	Size [mm]
Minimum Outlet Pipe Diameter	100
Minimum Sump Depth	300
Minimum Chamber Diameter	900

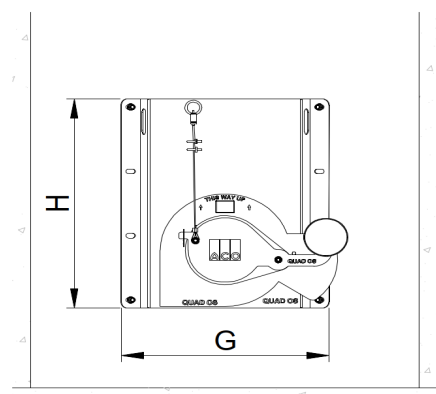
Disclaimer: This design only applies to ACO Q-Brake and ACO Q-Plate products and no other parties' products. It is the responsibility of the designer ('user') to verify that the design parameters have been entered correctly and that relevant industry standards and guidelines have been taken into consideration.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

ACO Q-Brake Dimensions

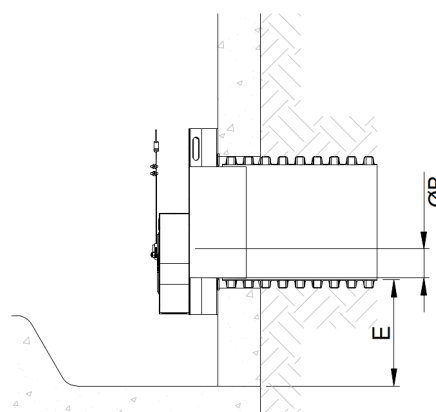
Model: QB275S



Plan View



Front View



Side View

Flow Control Dimensions

Key	Description	Size [mm]
B	Orifice diameter	65
C	Outlet Spigot OD	220
G	Overall width	380
H	Overall height	404

Chamber/Pipework Dimensions

Key	Description	Min [mm]	Design [mm]
D	Outlet pipe DN	100	225
E	Sump depth	300	
F	Chamber diameter	900	1350

* Design dimensions shown are as selected by the designer.

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