**Project Details**

Project : DES027491-Qbrake

Chamber Number : 2

Chamber Name : New Chamber

Reference

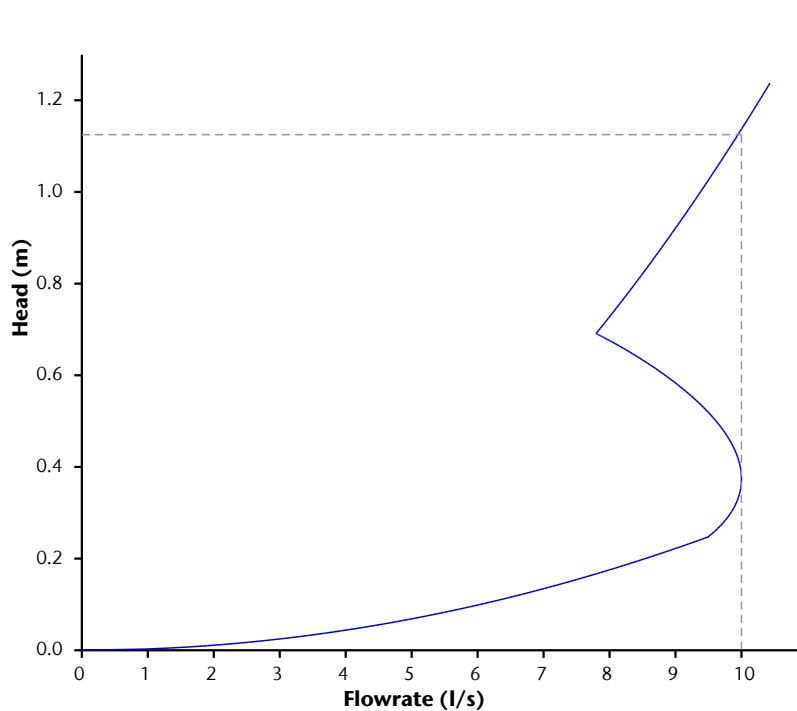
Design Reference : 00009937

Created by : ACO Technologies

Date Produced : 15-07-2025

Design

Description	Size [m]	Description	Rate [l/s]	Description	Model
Design Head	1.125	Design Flow Rate	10.000	Design Style	Flat Back

**Head [m] Flow [l/s]**

0.000	0.000
0.025	3.016
0.050	4.266
0.075	5.225
0.100	6.033
0.125	6.745
0.150	7.389
0.175	7.981
0.200	8.532
0.225	9.049
0.247	9.491
0.309	9.877
0.371	10.000
0.433	9.912
0.491	9.665
0.545	9.313
0.593	8.906
0.634	8.499
0.664	8.143
0.684	7.891
0.691	7.796
0.746	8.101
0.801	8.395
0.857	8.680
0.912	8.955
0.967	9.222
1.022	9.482
1.077	9.734
1.133	9.981
1.188	10.221
1.238	10.433

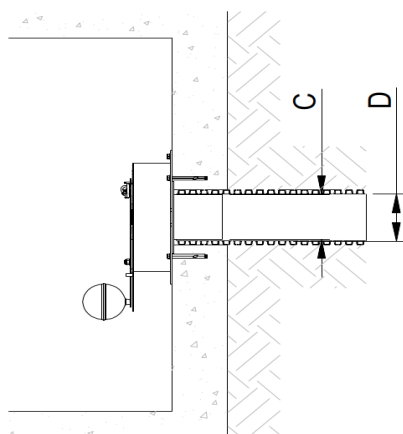
Specification

Description	Height [m]	Rate [l/s]	Description	Size [mm]
Flush Flow	0.274	9.70	Minimum Outlet Pipe Diameter	150
Reattachment	0.691	7.80	Minimum Sump Depth	374
			Minimum Chamber Diameter	1050

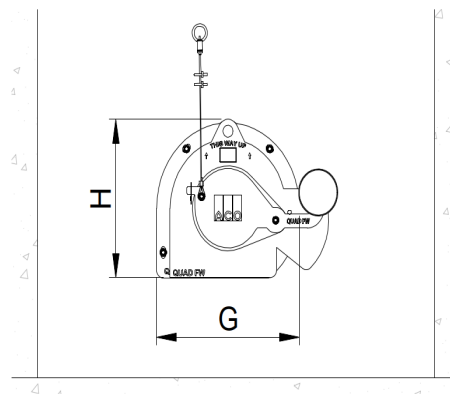
Disclaimer: This design only applies to ACO Q-Brake and ACO Q-Plate products and no other parties' products. It is the responsibility of the designer ('user') to verify that the design parameters have been entered correctly and that relevant industry standards and guidelines have been taken into consideration.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

ACO Q-Brake Dimensions

Model: QB500



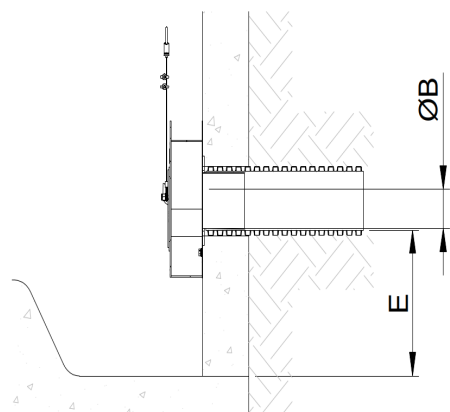
Plan View



Front View

Flow Control Dimensions

Key	Description	Size [mm]
B	Orifice diameter	132
C	Outlet Spigot OD	220
G	Overall width	616
H	Overall height	531



Side View

Chamber/Pipework Dimensions

Key	Description	Min [mm]	Design [mm]
D	Outlet pipe DN	150	225
E	Sump depth	374	
F	Chamber diameter	1050	1350

* Design dimensions shown are as selected by the designer.

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