

## Q-Plate Design and Performance Report

### Project Details

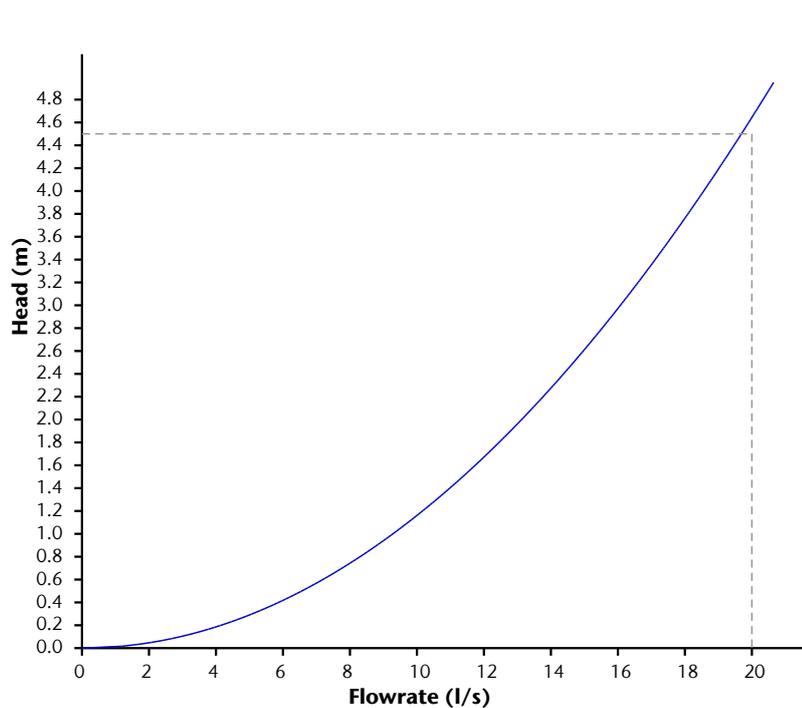
Project : Clayton Fields  
 Chamber Number : 12  
 Chamber Name : S12

### Reference

Design Reference : 00005830  
 Created by : Sonam Mirza  
 Date Produced : 15-01-2025

### Design

Description	Size [m]	Description	Rate [l/s]	Description	Model
Design Head	4.500	Design Flow Rate	20.000	Design Style	Drain Down Flat Back



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

0.000	0.000
0.165	3.770
0.330	5.331
0.495	6.530
0.660	7.540
0.825	8.430
0.990	9.234
1.155	9.974
1.320	10.663
1.485	11.310
1.650	11.921
1.815	12.503
1.980	13.059
2.145	13.592
2.310	14.106
2.475	14.601
2.640	15.079
2.805	15.544
2.970	15.994
3.135	16.432
3.300	16.859
3.465	17.276
3.630	17.682
3.795	18.080
3.960	18.469
4.125	18.849
4.290	19.223
4.455	19.589
4.620	19.948
4.785	20.301
4.950	20.648

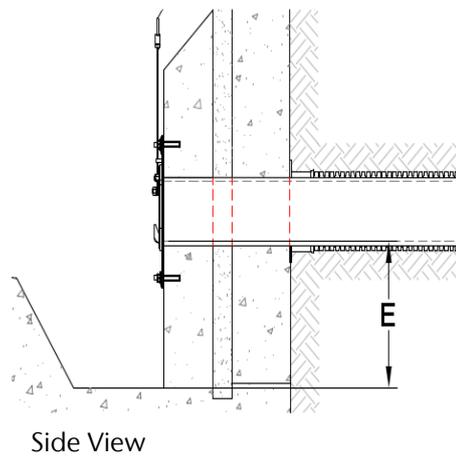
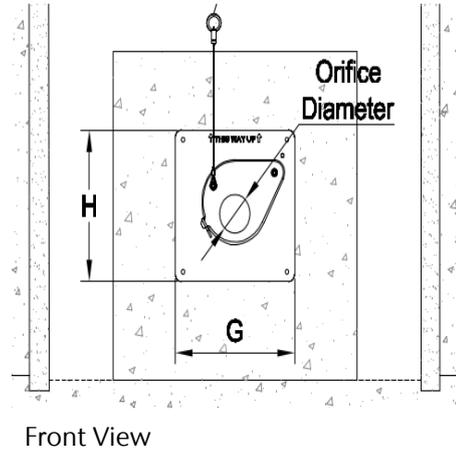
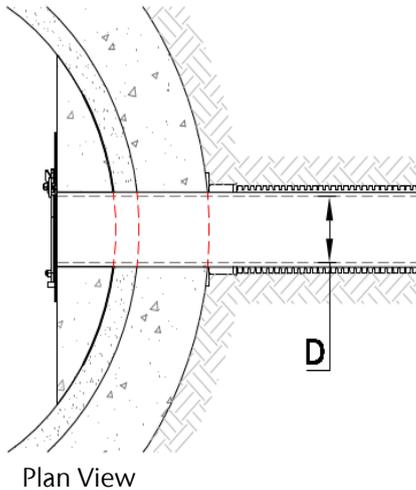
### Specification

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-Plate Dimensions

Model: QPD100



## Flow Control Dimensions

Key	Description	Size [mm]
	Orifice diameter	65
G	Plate width	295
H	Plate height	295

## Chamber/Pipework Dimensions

Key	Description	Min [mm]	Design [mm]
D	Outlet pipe DN	100	100
E	Sump depth	300	
F	Chamber diameter	900	1800

\* Design dimensions shown are as selected by the designer.

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