

## Q-Brake Design and Performance Report

### Project Details

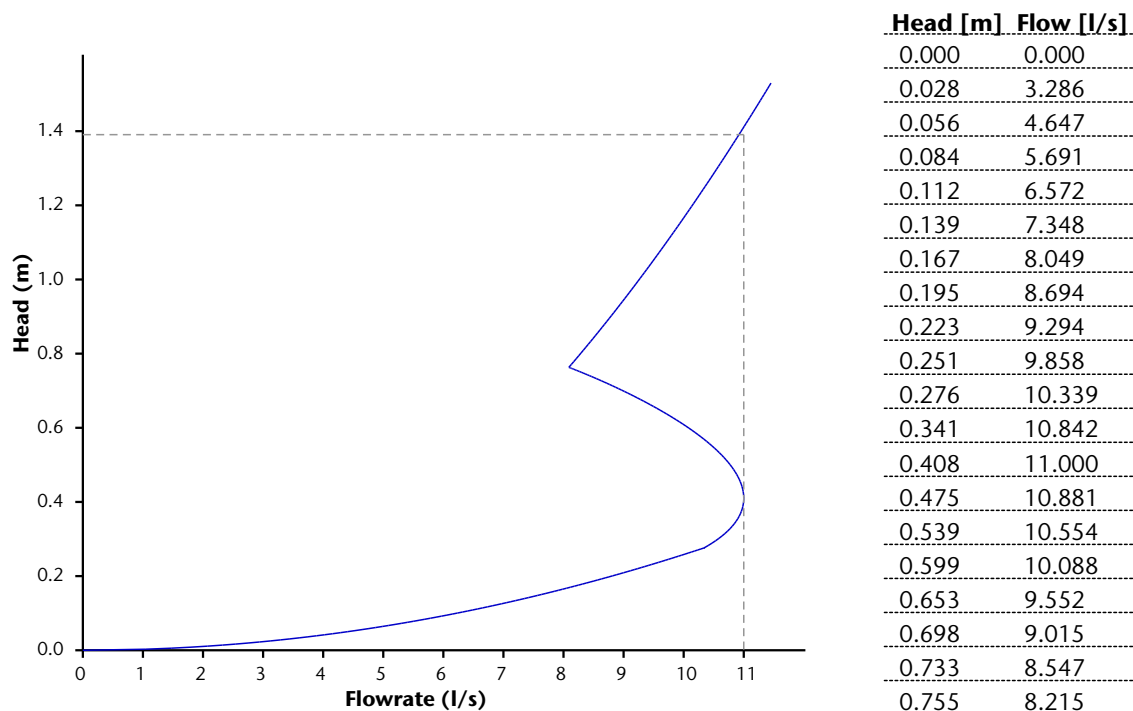
Project : New Project p  
Chamber Number : 1  
Chamber Name : New Chamber

### Reference

Design Reference : 00000814  
Created by : Katy Little  
Date Produced : 28-11-2022

### Design

| Description | Size [m] | Description      | Rate [l/s] | Description  | Model       |
|-------------|----------|------------------|------------|--------------|-------------|
| Design Head | 1.39     | Design Flow Rate | 11.00      | Design Style | Curved Back |

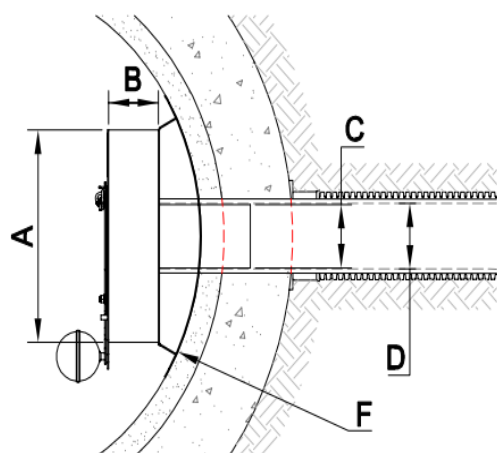


### Specification

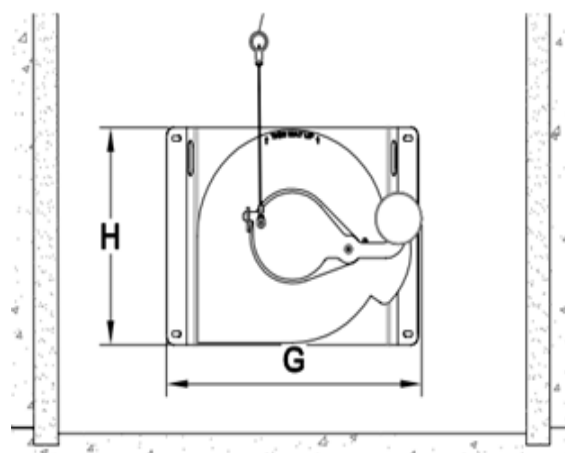
| Description  | Height [m] | Rate [l/s] | Description                  | Size [mm] |
|--------------|------------|------------|------------------------------|-----------|
| Flush Flow   | 0.306      | 10.62      | Minimum Outlet Pipe Diameter | 150       |
| Reattachment | 0.763      | 8.09       | Minimum Sump Depth           | 382       |
|              |            |            | 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. ACO Q-Brake and Q-Plate are intended to be used with surface water only.

## ACO Q-Brake Dimensions



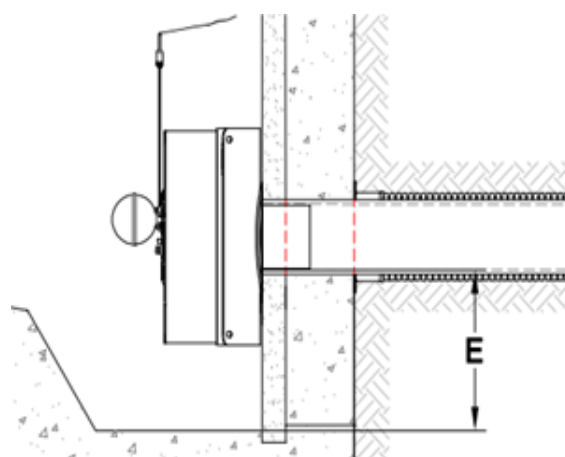
Plan View



Front View

### Flow Control Dimensions

| Key | Description     | Size [mm] |
|-----|-----------------|-----------|
| A   | Body diameter   | 513       |
| B   | Body depth      | 134       |
| C   | Outlet diameter | 145       |
| G   | Overall width   | 675       |
| H   | Overall height  | 523       |



Side View

### Chamber/Pipework Dimensions

| Key | Description      | Min [mm] | Design [mm] |
|-----|------------------|----------|-------------|
| D   | Outlet pipe DN   | 150      | 150         |
| E   | Sump depth       | 382      |             |
| F   | Chamber diameter | 1050     | 1050        |

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

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