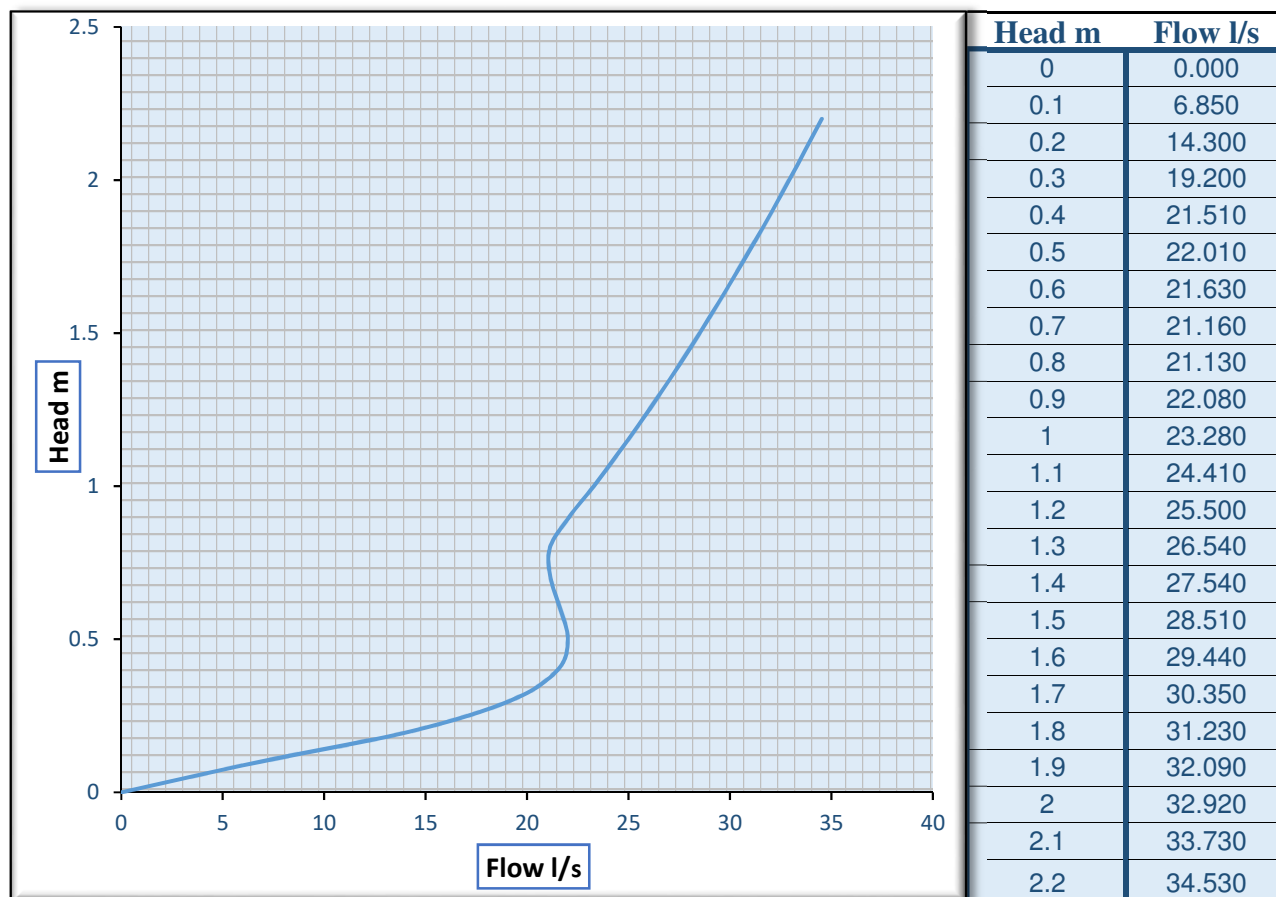


CROWN WATER Data Sheet

203 mm QR3 Type Vortex Flow Control

Job Ref : 21131221

Client Name	Kelly Contracting	Date	13/12/2021
Project Name	Blackley	For the attention of	Michael McStravick



Design Flow	25.5 l/s	Flush Flow	22.04 l/s
Design Head	1.2 m	At Head	0.489 m
Minimum Pipe/Pipe	225 mm	Kickback Flow	21.06 l/s
Sump Depth	490 mm	At Head	0.757 m

Note: Surface Water Only

Crown Water Ltd
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Tel 01344 886996 Fax 01344 886646
sales@crownwater.com
 Company Registration Number 9514593



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CROWN WATER

FLOW CONTROL QUOTATION REF. 21131221

Client Name	Kelly Contracting	Date	13/12/2021
Project Name	Blackley	For the attention of	Michael McStravick

Crown Water Flow Control Units

1 no, Crown Water 203mm QR3 Vortex Flow Control Unit with Integral Stainless Steel

Note: Surface Water Only

Scope

- All price(s) ex VAT. Quotations valid for 90 days
- Includes design, manufacture in 3mm ASI 304 Stainless Steel and UK delivery.
- Includes the required Stainless Steel Fixing Bolts and directions for installation by others

Delivery

- Delivery Normally 10 to 14 Days.

Terms

- Written Order or confirmation required
- Approved accounts: Payment within 30 days of invoice. Otherwise payment with order or pro forma prior to shipping

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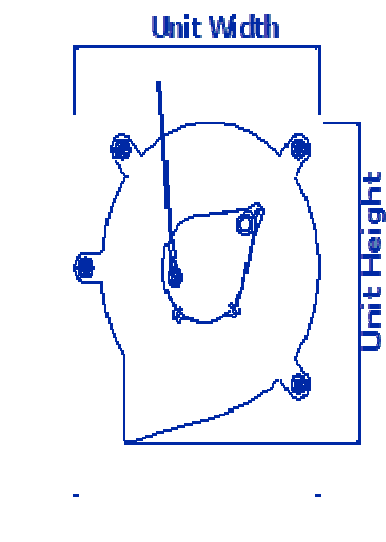
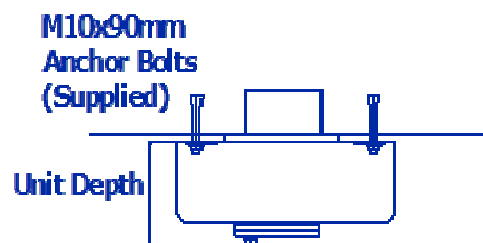
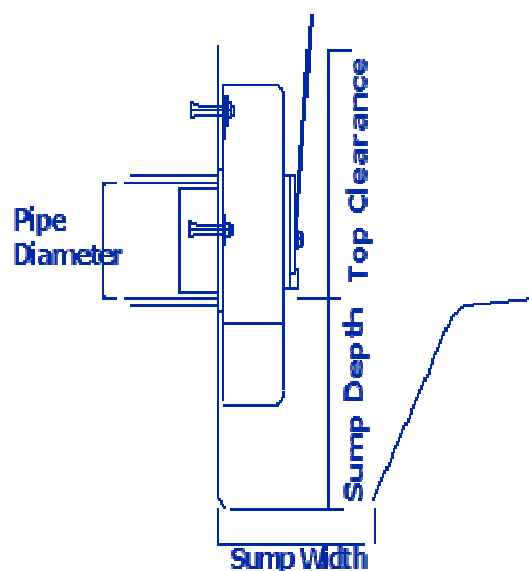
CROWN WATER

Job Ref 21131221

203 mm QR3 Type Vortex Flow Control

Client Name	Kelly Contracting	Date	13/12/2021
Project Name	Blackley	For the attention of	Michael McStravick

Crown Water Radial Type Vortex Flow Control Unit Installation Guide



Unit Outlet Diameter	203mm	Sump Depth (Min)	490 mm
Unit Height	810 mm	Sump Width (Min)	390 mm
Unit Width	780 mm	Pipe Diameter (Min)	225mm
Unit Depth	240 mm	Top Clearance(Min)	625 mm

Note: Surface Water Only

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FLOW CONTROL QUOTATION REF. 21131221

Product Information and FAQ's

DESIGN

Individual Design.

All of our Vortex Flow Control Units are individually designed to meet the client's optimum performance criteria.

Will our Vortex Flow Control's Block?

The relatively large cross sectional areas and high internal velocities greatly reduce the risk of blockage.

How Long Will They Last?

Crown Water Vortex Flow Control Units have no moving parts to wear or fail. Made from stainless steel plate they will resist scour, degradation and chemical attack. A Vortex Flow Control should outlast the sewer in which it is installed.

MANUFACTURE

Crown Water Vortex Flow Control Units are manufactured to a high standard

- 304 Grade Stainless Steel as standard. Other material optional.
- Plate thickness 3mm as standard Thicker plate used where required.
- Pulse arc Tungsten Inert Gas Welding. All seams continuous for maximum strength.
- Emergency Bypass Door fitted as standard to allow drain down and rodding access.
- Externally regulated ISO 9001:2008 Quality Assurance System

INSTALLATION

All of our Vortex Flow Controls are purpose built to suit the specific site and to fit easily into the drainage infrastructure. Units can be specially designed for retrofitting or for installation in difficult spaces

MAINTENANCE

Vortex Flow Control units themselves require no routine maintenance. Inspection chambers require inspection & maintenance in line with current practice.

WHAT DESIGN INFORMATION DO WE NEED?

We require the following basic information to specify a Vortex Flow Control for you.

- 1) The design Flow - *Maximum Discharge*
- 2) The design Head - *Invert to Top Water Level*

From this information we will size and design the Vortex Flow Control to meet the design criteria and to suit the proposed infrastructure.

SPECIFICATION

Includes: -

- 1) Data Sheet showing the Head/Discharge Characteristic, both graphically and numerically.
- 2) Installation Guide showing the outline dimensions of the specified Vortex Flow Control and the method of fixing.
- 3) Quotation covering the design manufacture and

Note: Surface Water Only

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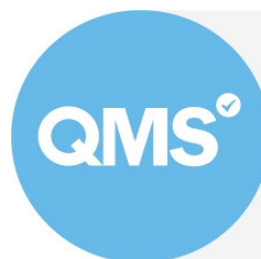
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