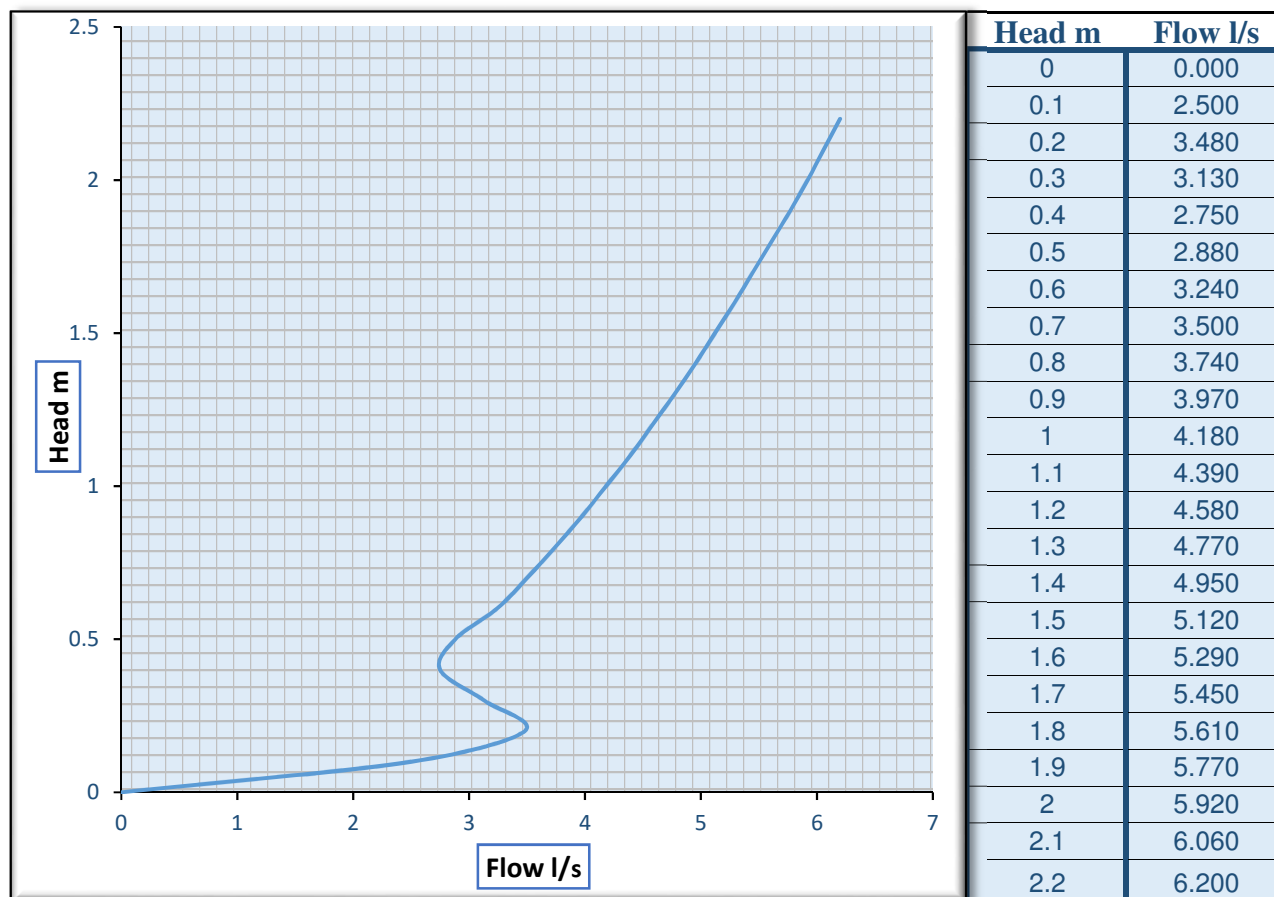


CROWN WATER Data Sheet

94 mm QR4F Type Vortex Flow Control

Job Ref : 22040618

Client Name	Shaun Tonge Engineering	Date	04/06/2018
Project Name	Higham Common Road	For the attention of	Shaun Tonge



Design Flow		Flush Flow	3.38 l/s
Design Head	0.7 m	At Head	0.197 m
Minimum Pipe	150 mm	Kickback Flow	2.7 l/s
Sump Depth	270 mm	At Head	0.423 m

Note: Surface Water Only

Crown Water Ltd
Index House
Ascot SL5 7ET
Tel 01344 886996 Fax 01344 886646
sales@crownwater.com
 Company Registration Number 9514593



CROWN WATER

Vortex Flow Control Quotation Ref. 22040618

Client Name	Shaun Tonge Engineering	Date	04/06/2018
Project Name	Higham Common Road	For the attention of	Shaun Tonge

Crown Water Vortex Flow Control Unit

Design Flow 3.5 l/s Design Head 0.7 m

1 no, Crown Water 94mm QR4F Vortex Flow Control Unit with Integral Pivoting bypass door
Price £ 870 Ex VAT

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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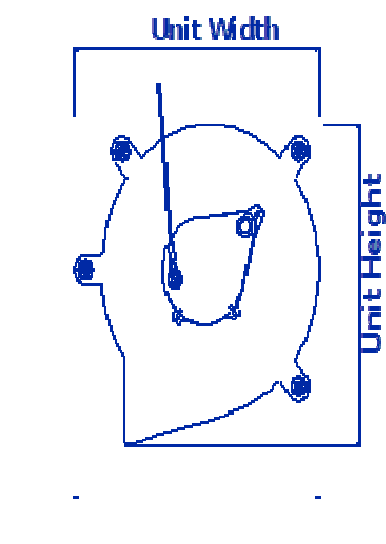
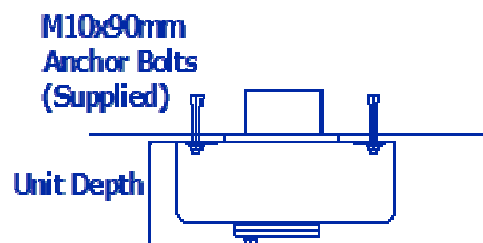
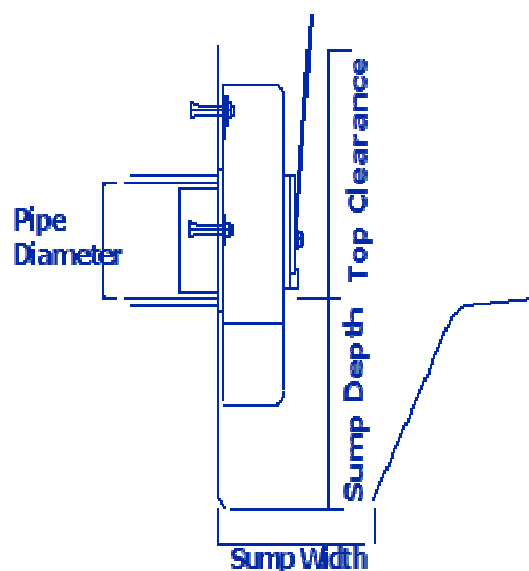


CROWN WATER

94mm QR4F Type Flow Control Ref. 22040618

Client Name	Shaun Tonge Engineering	Date	04/06/2018
Project Name	Higham Common Road	For the attention of	Shaun Tonge

Crown Water Radial Type Vortex Flow Control Unit Installation Guide



Unit Outlet Diameter	94mm	Sump Depth (Min)	270 mm
Unit Height	420 mm	Sump Width (Min)	560 mm
Unit Width	410 mm	Pipe Diameter (Min)	150mm
Unit Depth	120 mm	Top Clearance(Min)	360 mm

Note: Surface Water Only

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CROWN WATER

FLOW CONTROL QUOTATION REF. 22040618

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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