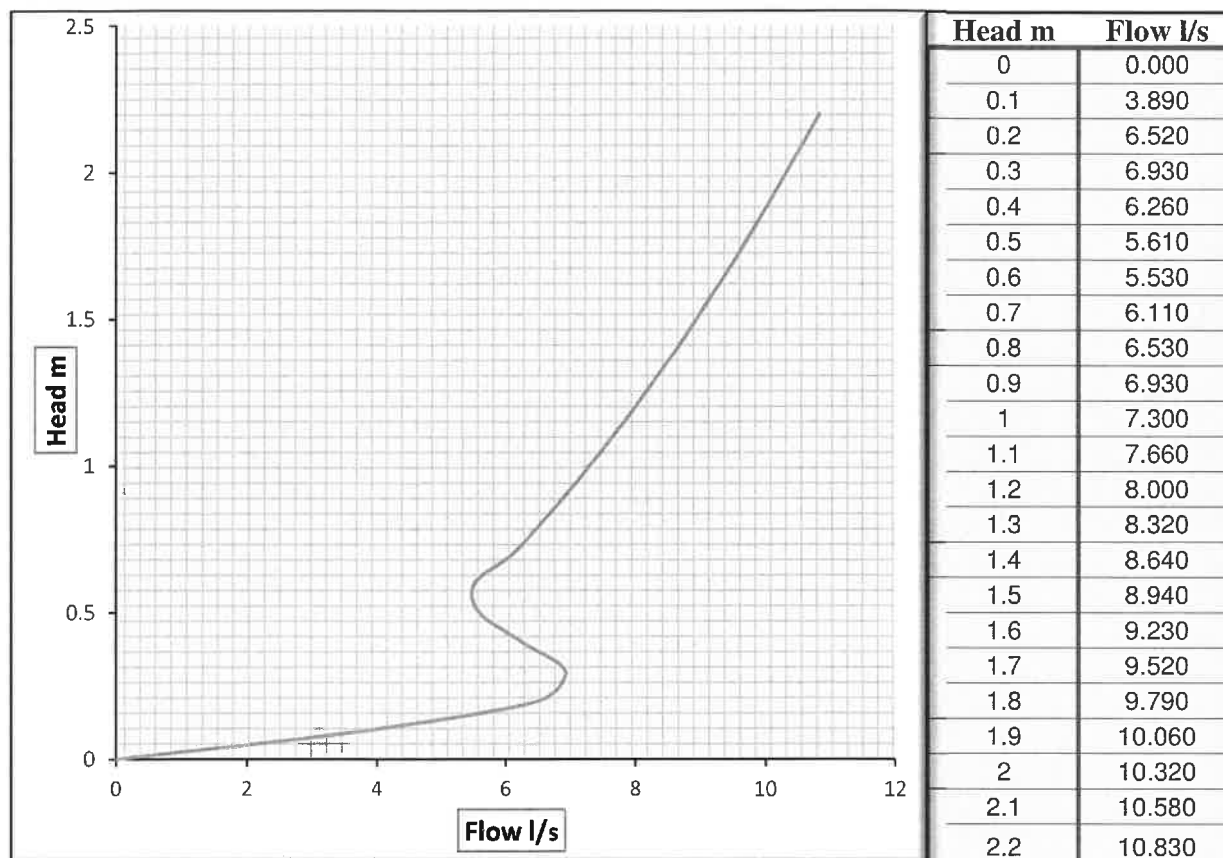


CROWN WATER Data Sheet

124 mm QR4F Type Vortex Flow Control

Job Ref : 25250920

Client Name	Blaze Con	Date	25/09/2020
Project Name	Barnham	For the attention of	Nicola Aslet



Design Flow	7.3 l/s	Flush Flow	6.78 l/s
Design Head	1 m	At Head	0.261 m
Minimum Pipe	225 mm	Kickback Flow	5.42 l/s
Sump Depth	310 mm	At Head	0.559 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



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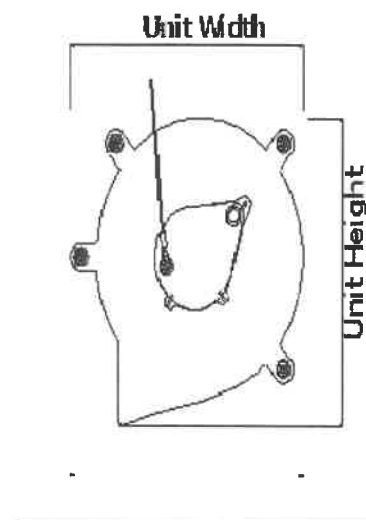
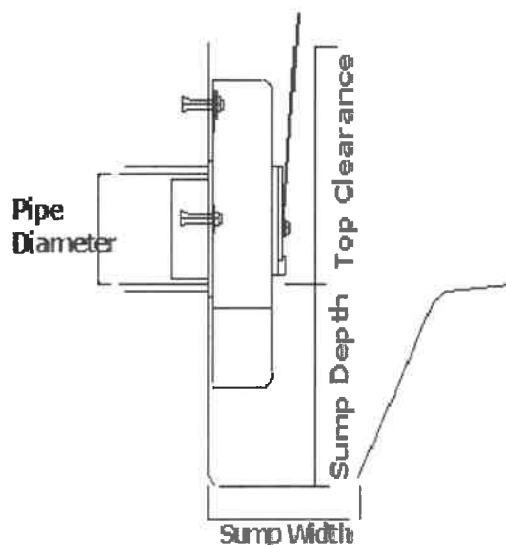
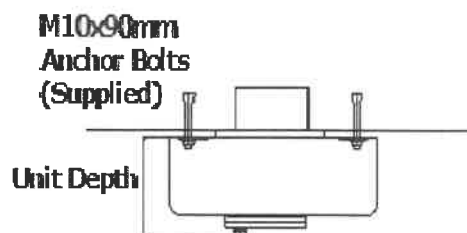
CROWN WATER

Job Ref 25250920

124 mm QR4F Type Vortex Flow Control

Client Name	Blaze Con	Date	9/25/2020
Project Name	Barnham	For the attention of	Nicola Aslet

Crown Water Radial Type Vortex Flow Control Unit Installation Guide



Unit Outlet Diameter	124mm	Sump Depth (Min)	310 mm
Unit Height	540 mm	Sump Width (Min)	300 mm
Unit Width	530 mm	Pipe Diameter (Min)	225mm
Unit Depth	150 mm	Top Clearance(Min)	400 mm

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CROWN WATER

FLOW CONTROL QUOTATION REF. 25250920

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

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