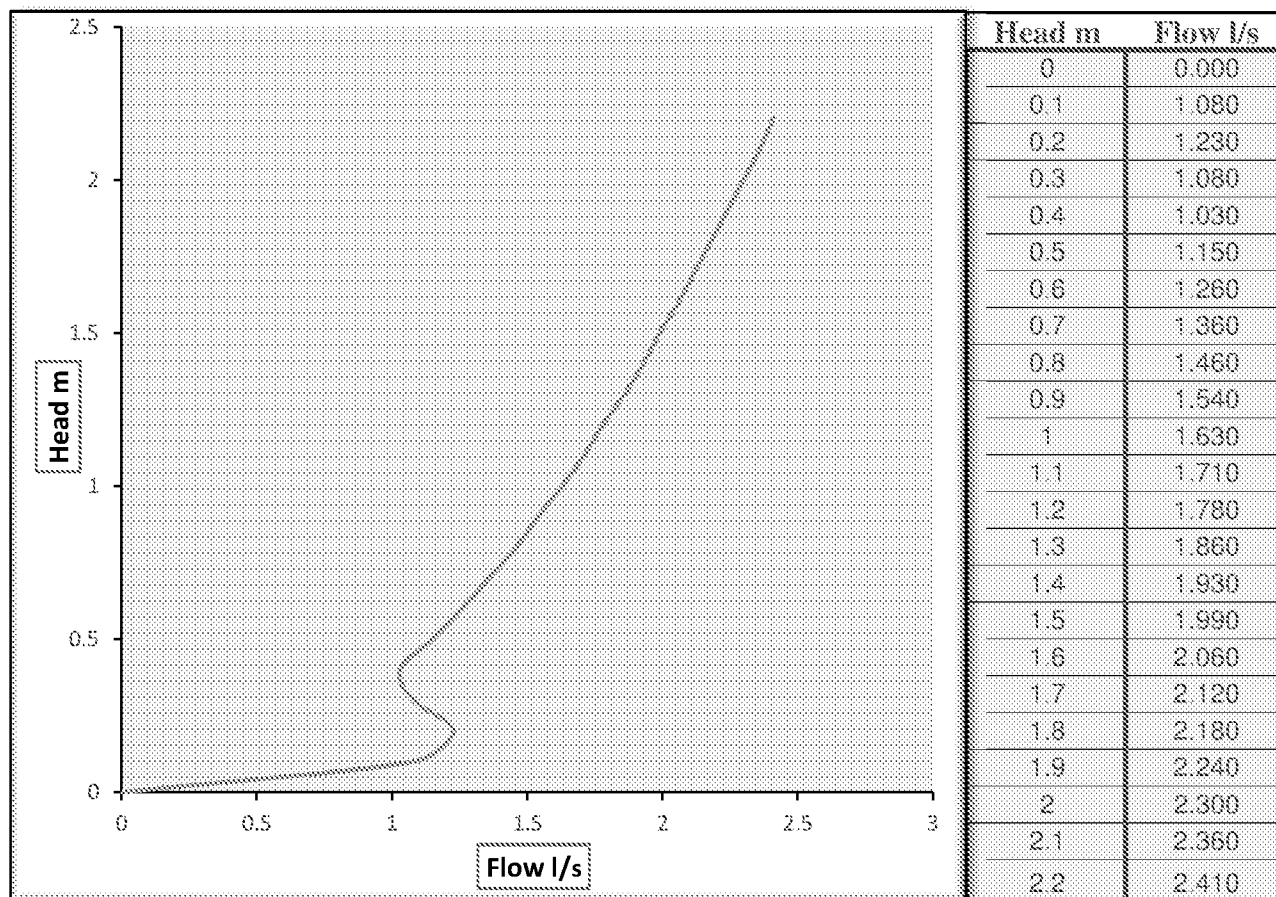


# CROWN WATER Data Sheet

## 60 mm QR5 Type Vortex Flow Control

Job Ref : 10250821

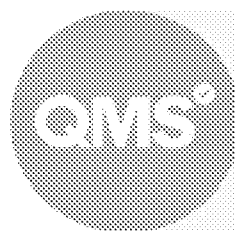
|              |                    |                      |            |
|--------------|--------------------|----------------------|------------|
| Client Name  | Bright Plan Civils | Date                 | 25/08/2021 |
| Project Name | Woodgate           | For the attention of | Liam Ford  |



|                   |         |               |          |
|-------------------|---------|---------------|----------|
| Design Flow       | 1.5 l/s | Flush Flow    | 1.26 l/s |
| Design Head       | 0.85 m  | At Head       | 0.16 m   |
| Minimum Pipe/Pipe | 150 mm  | Kickback Flow | 1.03 l/s |
| Sump Depth        | 250 mm  | At Head       | 0.391 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



ISO  
 9001 : 2015  
 REGISTERED

Cert No. 14126567

www.crownwater.com

Copyright Crown Water Ltd 2017

# CROWN WATER

## FLOW CONTROL QUOTATION REF. 10250821

|              |                    |                      |            |
|--------------|--------------------|----------------------|------------|
| Client Name  | Bright Plan Civils | Date                 | 25/08/2021 |
| Project Name | Woodgate           | For the attention of | Liam Ford  |

### Crown Water Flow Control Units

Design Flow 1.5 l/s Design Head 0.85 m

1 no, Crown Water 60mm QR5 Vortex Flow Control Unit with Integral Pivoting bypass door  
Price £ 729 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

**Crown Water Ltd**

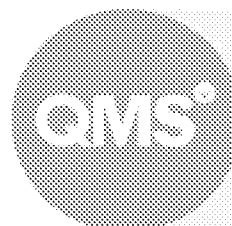
**Index House**

**Ascot SL5 7ET**

**Tel 01344 886996 Fax 01344 886646**

**sales@crownwater.com**

Company Registration Number 9514593



**ISO  
9001 : 2015  
REGISTERED**

Cert No. 14120867

[www.crownwater.com](http://www.crownwater.com)

Copyright Crown Water Ltd 2017

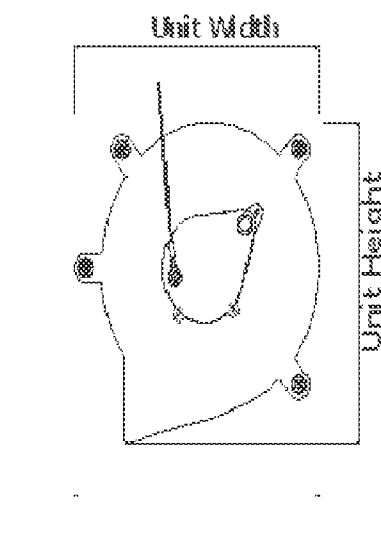
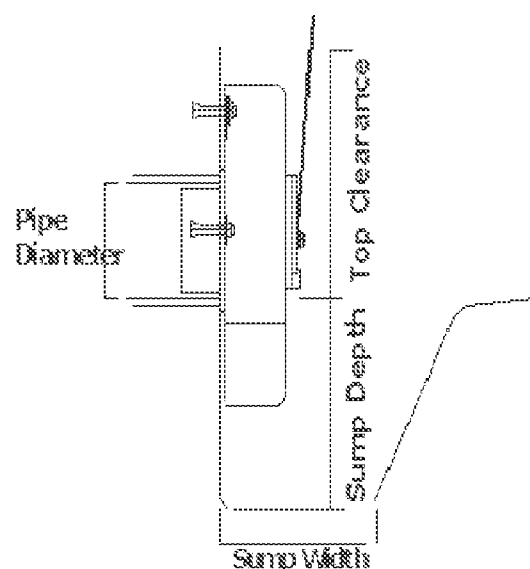
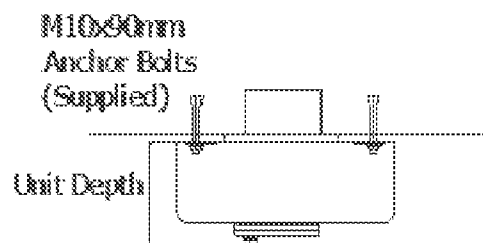
# CROWN WATER

Job Ref 10250821

## 60 mm QR5 Type Vortex Flow Control

|              |                    |                      |            |
|--------------|--------------------|----------------------|------------|
| Client Name  | Bright Plan Civils | Date                 | 25/08/2021 |
| Project Name | Woodgate           | For the attention of | Liam Ford  |

### Crown Water Radial Type Vortex Flow Control Unit Installation Guide



|                      |        |                     |        |
|----------------------|--------|---------------------|--------|
| Unit Outlet Diameter | 60mm   | Sump Depth (Min)    | 250 mm |
| Unit Height          | 370 mm | Sump Width (Min)    | 250 mm |
| Unit Width           | 320 mm | Pipe Diameter (Min) | 150mm  |
| Unit Depth           | 100 mm | Top Clearance(Min)  | 260 mm |

**Note: Surface Water Only**

Crown Water Ltd

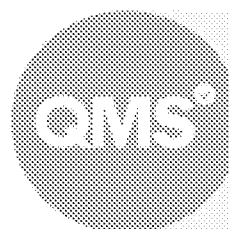
Index House

Ascot SL5 7ET

Tel 01344 886996 Fax 01344 886646

sales@crownwater.com

Company Registration Number 9514593



ISO  
9001 : 2015  
REGISTERED

Cert No. 14126867

www.crownwater.com

Copyright Crown Water Ltd 2017

# CROWN WATER

## FLOW CONTROL QUOTATION REF. 10250821

### 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**

**Crown Water Ltd**

**Index House**

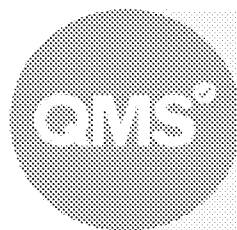
**Ascot SL5 7ET**

**Tel 01344 886996 Fax 01344 886646**

**sales@crownwater.com**

Company Registration Number 9514593

[www.crownwater.com](http://www.crownwater.com)



**ISO  
9001 : 2015  
REGISTERED**

Cert. No. 14126567

Copyright Crown Water Ltd 2017