

Sump

Rotary Switch Setting

Position	MIN	50%	MAX
RV1 Operation Intervals (Minutes)	10	35	60
RV2 Operation time (Seconds)	3	6	10

DIP Switch Settings

SW1	1	2	3	4
ON	3-Wire Float	Not In Use	Not In Use	DEMO MODE
OFF	2-Wire Float	Not In Use	Not In Use	Standard Mode

<p>Shabbat Smart Ltd. 85 Kenilworth Road London HA8 8XA United Kingdom Tel: +44 20 8004 9558 email: info@ShabbatSmart.com www.ShabbatSmart.com</p>	<p>Name: ShabbatSmart Waste Water Pump Controller</p> <p>Scale: NTS</p>
	<p>Description: Twin Pump single Float</p> <p>Page: A4</p>
	<p>Version: 1.2</p> <p>Date: 28/02/2023</p>

From: Pumps @ Delta Membrane Systems Ltd <pumps@deltamembranes.com>

Sent: 23 February 2023 09:30

To: Daniel Le'Andre <daniel@tenways.co.uk>

Subject: BMS Manual Foul set up option 3

Twin Pump

Hi Daniel

We thank you for the opportunity to create a specification for your mechanical drainage pump system.

Following your recent enquiry, please find our specification for the pump stations required for the above project.

The pump specification is based on the requirements from the information provided to us for the mechanical discharge of water from a Foul water system.

Foul Water Pump Station

Selection has been based on the information provided accounting for basement foul facilities only.

For the foul water facilities requested requiring a mechanical discharge we would recommend our Delta single Foul sump 800x1250 with twin manual Ama-porter 501m.

Option 2 pump station B

1no DMS-E013 Delta single Foul sump 800x1250 with twin manual Ama-porter 501m pump £1598.40 + VAT

3no DMS-E158 Delta Pendent floats @ £49.95 each + vat

The calculations provided have been based on the chamber being level with the structural slab or at the recommended maximum depth of 500mm from the top of the finished floor level.

If the dimensions do not fall within these parameters, please contact us to review the specification and invert levels.

We have made our best endeavours to select equipment based on the information provided, however it is your responsibility to confirm suitability for the application.



Jason Derry CSSW
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to allow Shabbat Smart control use a Manual Pump (no float switch attached directly to the pump)

Description

The Delta Foul V3 Submersible Pump is designed as a compact and cost-effective solution for collection of foul and/or grey water from basements, below ground structures and ground floor extensions.

The robust and reliable Delta Foul V3 is an exceptionally popular choice with waterproofing professionals due to its generous sized motor, thermal overload protection and ease of installation.

The powerful Vortex pump offers innovative design and advanced technology making it extremely reliable even when subjected to continuous use (subject to correct installation). With a 45mm solids clearance the Delta Foul V3 offers reliable and effective dewatering.

The Delta Foul V3 can be supplied free standing or on pedestal mounting for permanent installation.

The Delta Foul V3 Submersible pump is not suitable for collecting ground water from a Cavity Drained System.

Features

- Maximum flow rate up to 6.3 l/s
- Maximum head (lift height) 12m
- 2" BSP threaded pump outlet
- Trouble free operation
- Free flowing impeller (preventing clogging)
- Corrosion resistant stainless-steel shaft and bi-rotational mechanical seal
- Designed for easy installation
- Operates via a control panel
- Available with pedestal mounting

Specification

- Pumps set: 2006/42/EC EC Machinery Directive
- Electrical components: 2011/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
- Electromagnetic Compatibility: 2014/30/EU
- ISO 12100
- EN 809
- EN 60034-1, EN 60034-5/A1
- EN 60335-1/A1, EN 60335-2-41

Product details

DMS E029



Associated products

- Delta Bespoke 800 Series – Dual V3 Foul

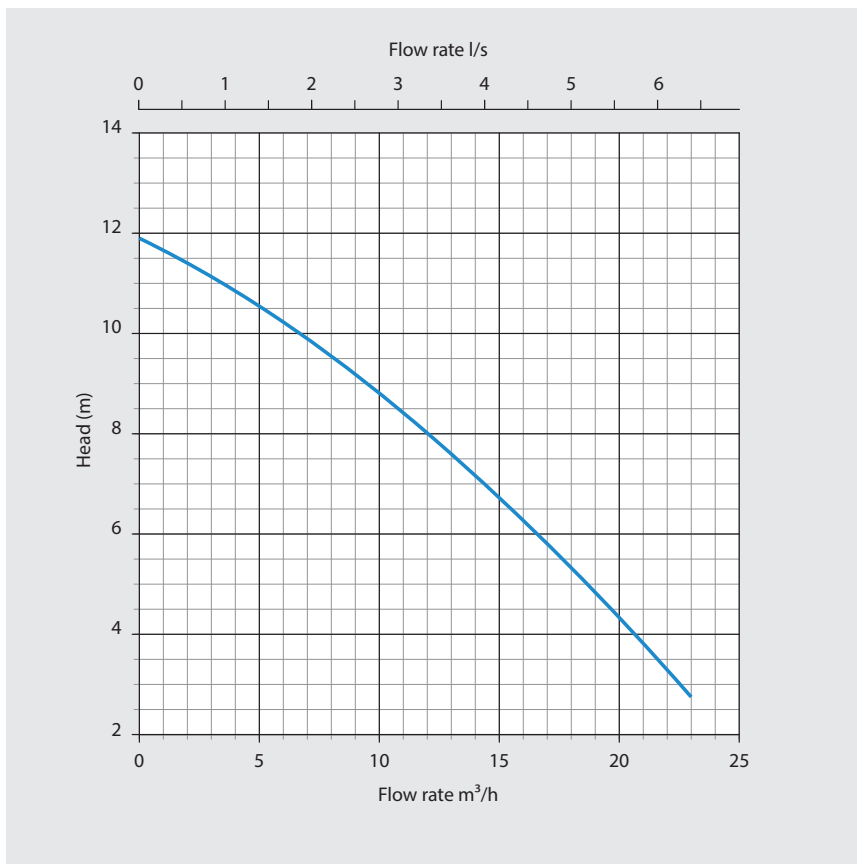


PRODUCT DATA SHEET

Delta Foul V3 Submersible Pump (Manual)

Technical data

Pump type	Foul V3
Pump type	Vortex
Control	Manual
Power supply	230 VAC
Rated current	6.0 A
Motor rating (P2)	750 W
Revs per min.	2900 rpm
Discharge size	DN50
Free passage	45 mm
Max. vertical	12 m
Max. flow rate	6.3 l/s
Max liquid temp.	<40 °C
Cable length	10 m
Weight	23.0 kg



Other information

All data and information contained in these Product/Technical Data Sheets is up-to-date and correct as at the date of issue. The information given is suggested as guidance and should only be used for evaluating your specific application. Delta Membrane Systems Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. The information contained in these Product/Technical Data Sheets should not be considered a warranty, expressed, or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose. In no event shall Delta Membrane Systems Limited be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory. When in doubt, contact Delta's Technical Team on 01992 523 523.



Description

The Delta Bespoke 800 Series of Package Pumping Station are available in depths from 1250mm to 2000mm.

The robust and reliable Delta Bespoke 800 Series – Dual V3 Foul (800.1250) Packaged Pumping Station has been specifically designed to collect foul and/or grey water from basements, below ground structures and ground floor extensions or where foul water cannot be drained by gravity. For kitchen applications we recommend fitting a grease trap prior to the pump station installation.

The Delta Bespoke 800 Series – Dual V3 Foul (800.1250) can accept waste from an extension, outbuilding, Basement or similar, where the structure also has another method of removing foul water. Please contact our Technical Department if you require a foul water packaged pumping station to serve the whole property.

Delta Bespoke 800 Series – Dual V3 Foul (800.1250) system includes: a polyethylene chamber, two Delta Foul V3 sump pumps, pump pedestal with guide rail, 110mm inlet, 110mm cable duct, 110mm vent and 2" discharge.

This product is specifically designed for below ground applications where hydrostatic water pressure may be present. However, we recommend surrounding the Delta Bespoke 800 Series – Dual V3 Foul with concrete to prevent movement. A manhole cover is not supplied as these are generally site specific and installed in the final finish.

The Delta Bespoke 800 Series – Dual V3 Foul (800.1250) is not suitable for collecting ground water from a cavity drained membrane system.

Features

- Designed to collect foul water
- Large chamber, manufactured from superior polyethylene enabling the – Delta Dual V3 Foul (800.1250) to withstand hydrostatic forces encountered in applications with high water tables
- Quick and simple installation
- Supplied with 2 x Delta Foul V3 Pump
- Flow rate of Delta Foul V3 Pump up to 6.3 l/s
- For kitchen applications, we recommend fitting a grease trap prior to the pump station

Specification

- NBS Specification R18 (Clause 310) Pumping Stations and Pressure Pipelines
- BS EN 12050-3:2015 Wastewater lifting plants for buildings and sites. Lifting plants for limited applications.

Associated products

- Battery backup systems
- High-level alarms
- Remote monitoring
- External pipework
- Pumps
- Access covers
- Additional inlets

Product details

DMS Dfv3.800.1250



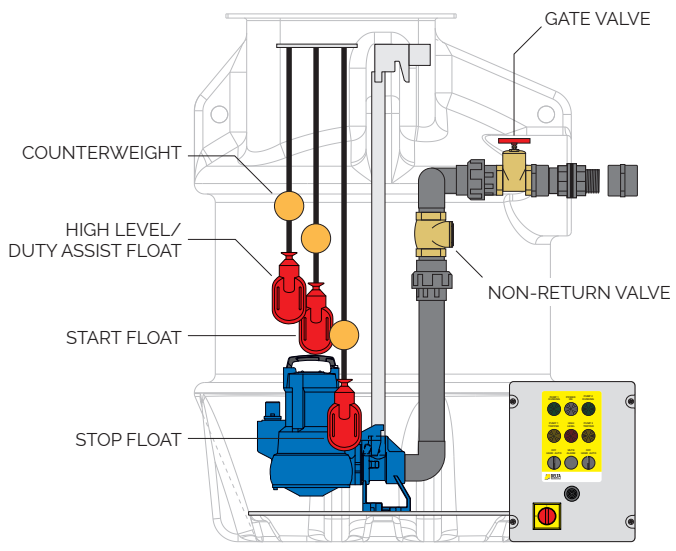
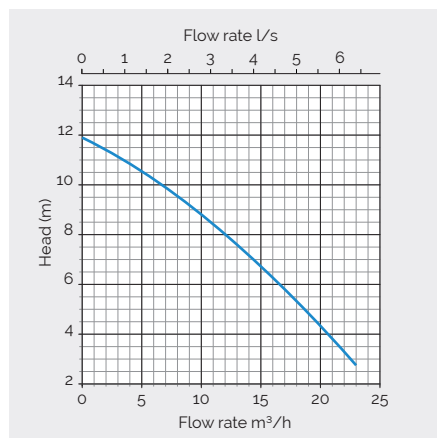
PRODUCT DATA SHEET

Delta Bespoke 800 Series – Dual V3 Foul (800.1250)

Technical data

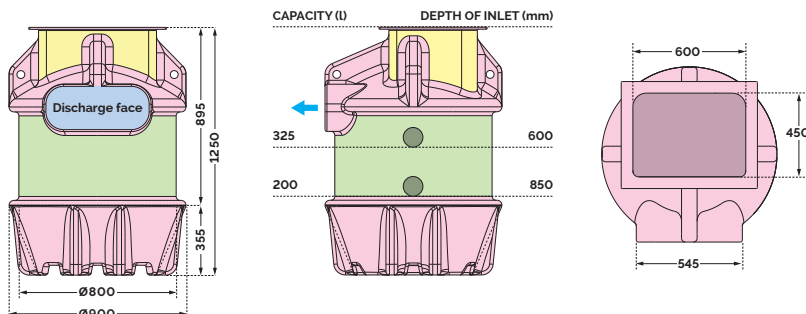
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Motor rating (P2)	750 W
Revs per min.	2900 rpm
Discharge size	2"
Free passage	45 mm
Max. vertical	12 m
Max. flow rate	6.3 l/s
Max liquid temp.	<40 °C
Cable length	10 m
Weight	23 kg



CHAMBER SPECIFICATIONS

Chamber	800.1250
Material	Tank-grade polyethylene
Dimensions	900 mmØ x 1250 mmH
Clear opening	600 mm x 450 mm
Inlet	110 mm
Internal pipework	2" PVC Class E
Discharge	2" PVC Class E
Cable duct	110 mm
Vent duct	110 mm



POSITIONING CONNECTIONS

Discharge only	Inlet location allowed	Cable ducts and vents only	No drilling allowed
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