

Vortech™ packaged pumping stations

Great value, easy to install and
available next day.

 **MADE IN
BRITAIN**



Setting the bar

From sourcing individual pumps to designing complex systems, Dutypoint is your go-to specialist for pumps and pumped systems.

We supply a huge range of pumps and spare parts to customers throughout the UK, but our technical knowledge and pump expertise set us apart.

Whatever your challenge, from identifying a 40-year-old pump and finding an alternative product to same-day delivery, we'll work with you to find a solution.

Dutypoint. Setting the bar.



THE DUTYPOINT DIFFERENCE

- Over 40 years of pump and boosted water system knowledge
- Technical information on our entire range, including performance and material data, pump curves, product selectors, range comparisons and case studies
- Specifier Zone** - A comprehensive online portal of training materials, calculators, CPDs and product information
- We are there when you need us: by phone, email, or live chat from 6:30am-5pm Monday-Friday

Across our range, our products are defined by the following characteristics:

EASE OF MAINTENANCE

Every design is carefully considered to ensure key components are accessible and installed to maximise longevity and performance.

VERSATILITY

We appreciate the challenges of on-site installation and focus on making life easier for specifiers and contractors by providing multiple configuration options.

HIGH-QUALITY MATERIALS

We only use high-specification metals and plastics in producing systems.

EXPERT SUPPORT

Our knowledgeable and accessible support staff are on call 24/7 to provide advice and technical assistance. We love to help!

SETTING THE BAR



Vortech™ Packaged Pumping Stations

With the new Vortech™ Packaged Pumping Station range from Dutypoint, you can easily configure an underground sewage or wastewater pumping station to suit the specific needs of your project. And because we keep them in stock, you won't have to wait long for them either.

The Vortech™ Packaged Pumping Station range is available in a choice of sizes with different pump options to suit the specific application, including pumps for surface water, pumps for foul water/sewage, and heavy-duty grinder pumps for sewage.

All products in the range are delivered as a complete package, ready for installation. For added convenience, selected models are available in stock with FREE same or next-day delivery*.

*Visit <https://www.tradepumps.com/terms-and-conditions> for more information

STANDARD FEATURES OF THE VORTECH™ PACKAGED PUMPING STATION RANGE INCLUDE:

- Compact chamber design constructed to fit into tight areas such as basements and cellars
- Wide range of chamber sizes available – ranging from 280 litres all the way up to 9,000 litres
- All chambers are made from robust virgin polyethylene with strengthening ribs for superior quality and corrosion resistance
- High-quality submersible and macerator pumps for foul or surface water applications
- Available as single or twin pump stations with a control panel included on the Regular and Grand models
- High-level alarm fitted as standard
- Option to include battery backup control systems for critical applications



Vortech™ Compact Packaged Pumping Stations

PRODUCT OVERVIEW

- Single pump with integrated level control
- Battery-powered high-level alarm included, featuring visual and audible alarms with test and mute buttons
- Chambers ranging from 280 to 550-litre capacity
- Virgin polyethylene chambers for superior corrosion resistance
- Robust chamber design with strengthening ribs, designed to interlock with surrounding concrete to prevent floatation
- 450 mm diameter 3.5T composite manhole cover included
- Delivered as a complete package ready for installation
- High-quality submersible pump for foul or surface water applications



CHAMBER SPECIFICATION

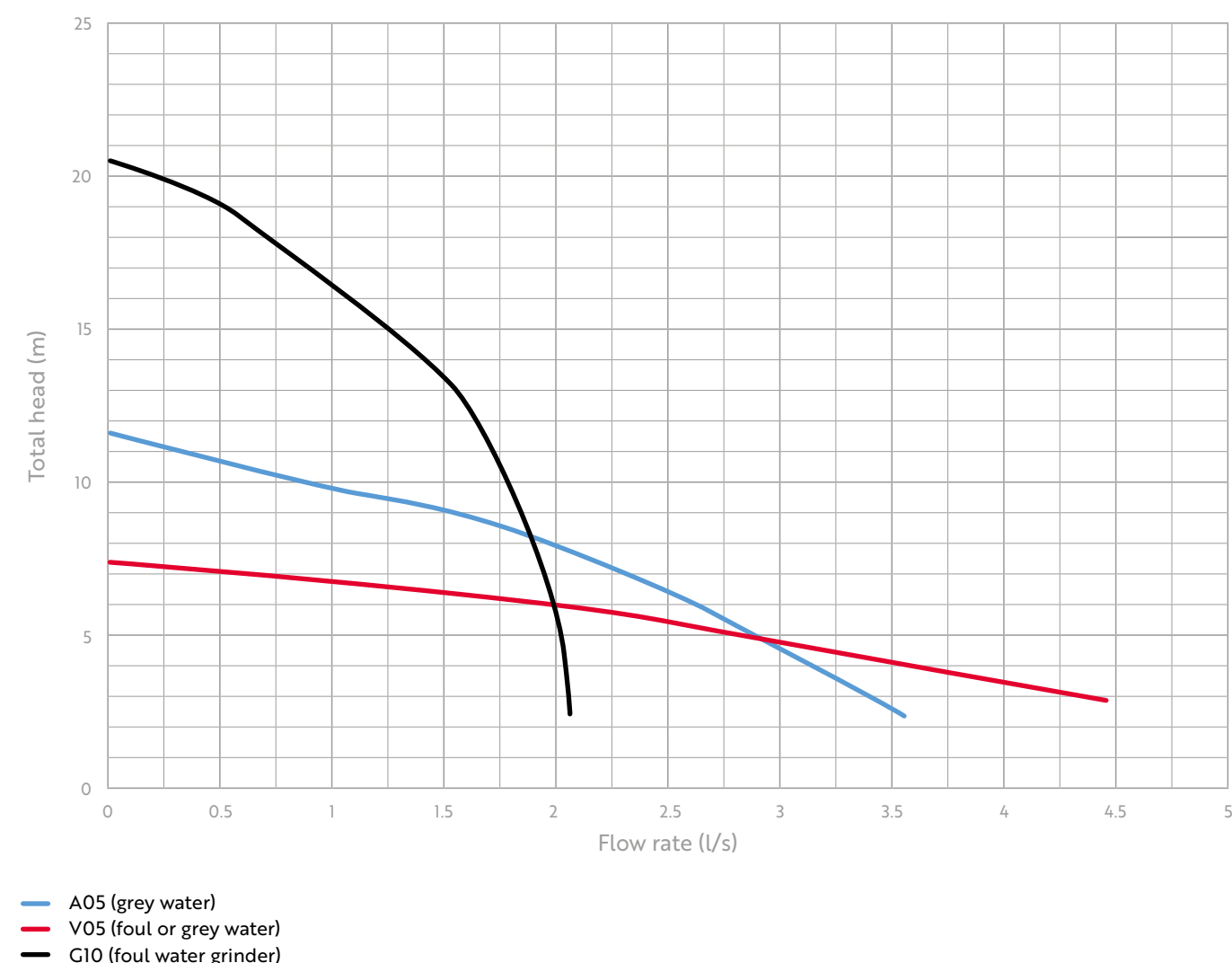
| Chamber model | Internal diameter (mm) | Depth (m) | Nominal capacity (l) | Access opening (mm) |
|---------------|------------------------|-----------|----------------------|---------------------|
| Compact 10 | 600 | 1 | 280 | 450 Ø |
| Compact 20 | 600 | 2 | 550 | 450 Ø |

PUMP SPECIFICATION

| Pump model | Application | Power supply | kW rating | Full load current (A) | Impeller type | Solids passage (mm) | Max flow (l/s) | Max head (m) | Final discharge connection |
|------------|--------------------|--------------------|-----------|-----------------------|---------------|---------------------|----------------|--------------|----------------------------|
| A05 | Grey water | 230 V single phase | 0.4 | 3.3 | Vortex | 10 | 3.5 | 11 | 2" BSP Male |
| V05 | Foul or grey water | 230 V single phase | 0.55 | 4.2 | Vortex | 50 | 4.5 | 7 | 2" BSP Male |
| G10 | Foul water | 230 V single phase | 1 | 6.4 | Grinder | N/A | 2.2 | 20 | 1.5" BSP Male |

Vortech™ Compact Pump Curve

SINGLE PUMP CURVES



IMPORTANT NOTE:

Dutypoint Vortech™ polyethylene underground chambers are not suitable for installation where groundwater may exceed 2 m above the base of the chamber. Installation must be in accordance with the installation instructions provided. Please contact our sales office for a bespoke solution for any high-ground water applications.

Vortech™ Regular Packaged Pumping Stations

PRODUCT OVERVIEW

- Available as single or twin pump station
- Chambers ranging from 1,050 to 1,400-litre capacity
- Fitted with guide-rail system for quick and easy pump access
- Control panel included, featuring hand/off/auto selector, pump running and fault indication & high-level alarm
- Virgin polyethylene chambers for superior corrosion resistance
- Robust chamber design with strengthening ribs, designed to interlock with surrounding concrete to prevent floatation
- 600 x 600 mm galvanized steel 10T access cover included
- Delivered as a complete package ready for installation
- High-quality submersible pumps for foul or surface water applications
- Tapered base option features 60-degree internal benching, providing enhanced self-cleaning for dirty water applications



CHAMBER SPECIFICATION

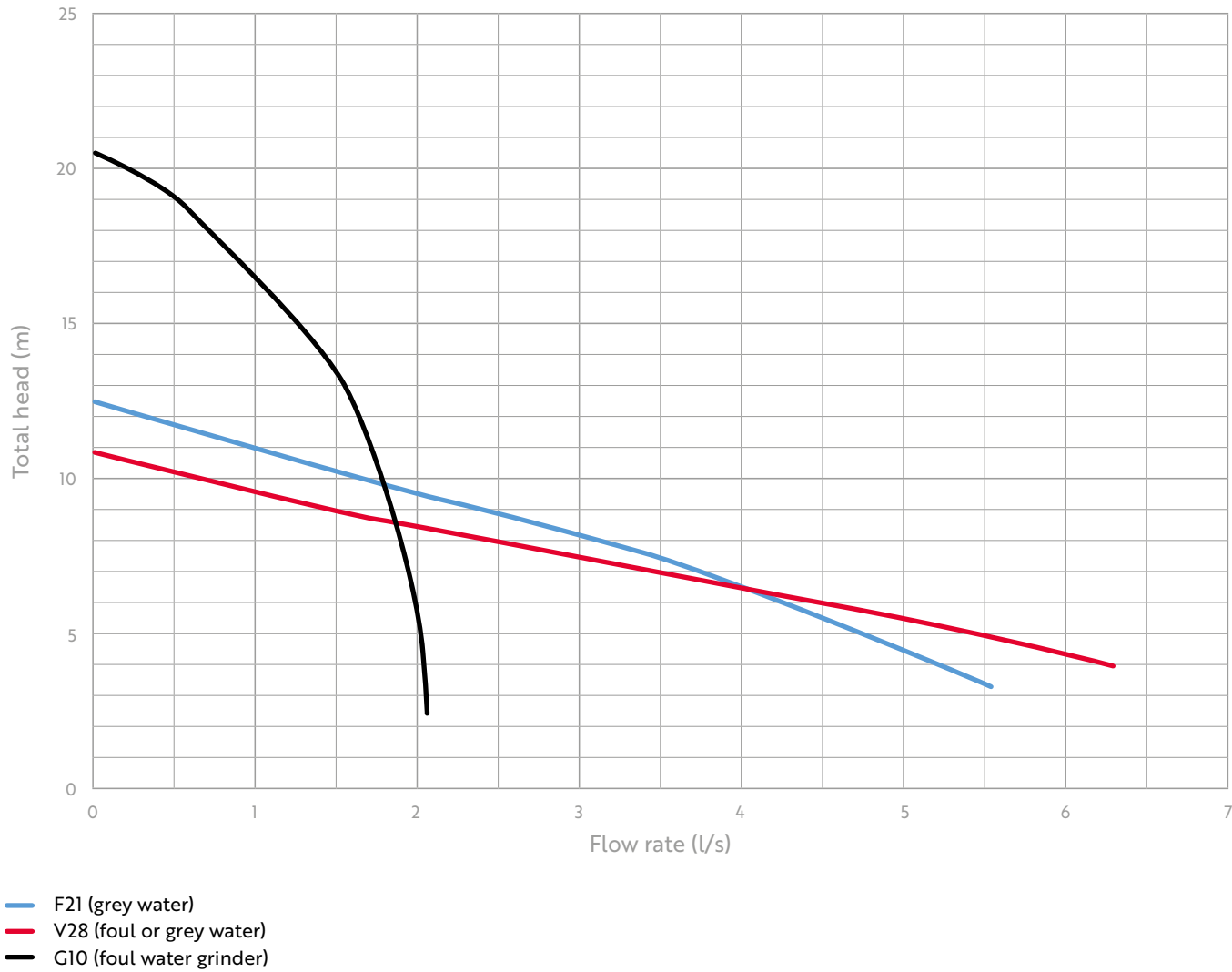
| Chamber model | Internal diameter (m) | Depth (m) | Base type | Nominal capacity (l) | Access opening (mm) |
|---------------|-----------------------|-----------|-----------|----------------------|---------------------|
| Regular 10F | 1 | 1 | Flat | 800 | 600 Ø |
| Regular 10T | 1 | 1.2 | Tapered | 800 | 600 Ø |
| Regular 15F | 1 | 1.4 | Flat | 1100 | 600 Ø |
| Regular 15T | 1 | 1.6 | Tapered | 1100 | 600 Ø |
| Regular 20F | 1 | 1.8 | Flat | 1400 | 600 Ø |
| Regular 20T | 1 | 2 | Tapered | 1400 | 600 Ø |
| Regular 25F | 1 | 2.4 | Flat | 1750 | 600 Ø |
| Regular 25T | 1 | 2.6 | Tapered | 1750 | 600 Ø |
| Regular 30F | 1 | 2.9 | Flat | 2050 | 600 Ø |

PUMP SPECIFICATION

| Pump model | Application | Power supply | kW rating | Full load current (A) | Impeller type | Solids passage (mm) | Max flow (l/s) | Max head (m) | Final discharge connection |
|------------|--------------------|--------------------|-----------|-----------------------|---------------|---------------------|----------------|--------------|----------------------------|
| F21 | Grey water | 230 V single phase | 0.75 | 5.2 | Vortex | 35 | 5.5 | 12 | 2" BSP Male |
| V28 | Foul or grey water | 230 V single phase | 0.75 | 4.2 | Vortex | 50 | 6 | 10 | 2" BSP Male |
| G10 | Foul water | 230 V single phase | 1 | 6.4 | Grinder | N/A | 2.2 | 20 | 2" BSP Male |

Vortech™ Regular Pump Curve

SINGLE PUMP CURVES



IMPORTANT NOTE:

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Vortech™ Grand Packaged Pumping Stations

PRODUCT OVERVIEW

- Twin pumps as standard
- Control panel included, featuring hand/off/auto selector, pump running and fault indication & high-level alarm
- Chambers ranging from 3,000 to 9,000-litre capacity
- Fitted with guide-rail system for quick and easy pump access
- Virgin polyethylene chambers for superior corrosion resistance
- Robust chamber design with strengthening ribs, designed to interlock with surrounding concrete to prevent floatation
- 800 x 1,000 mm galvanized steel 10T access cover included
- Delivered as a complete package ready for installation
- High-quality submersible pumps for foul or surface water applications



CHAMBER SPECIFICATION

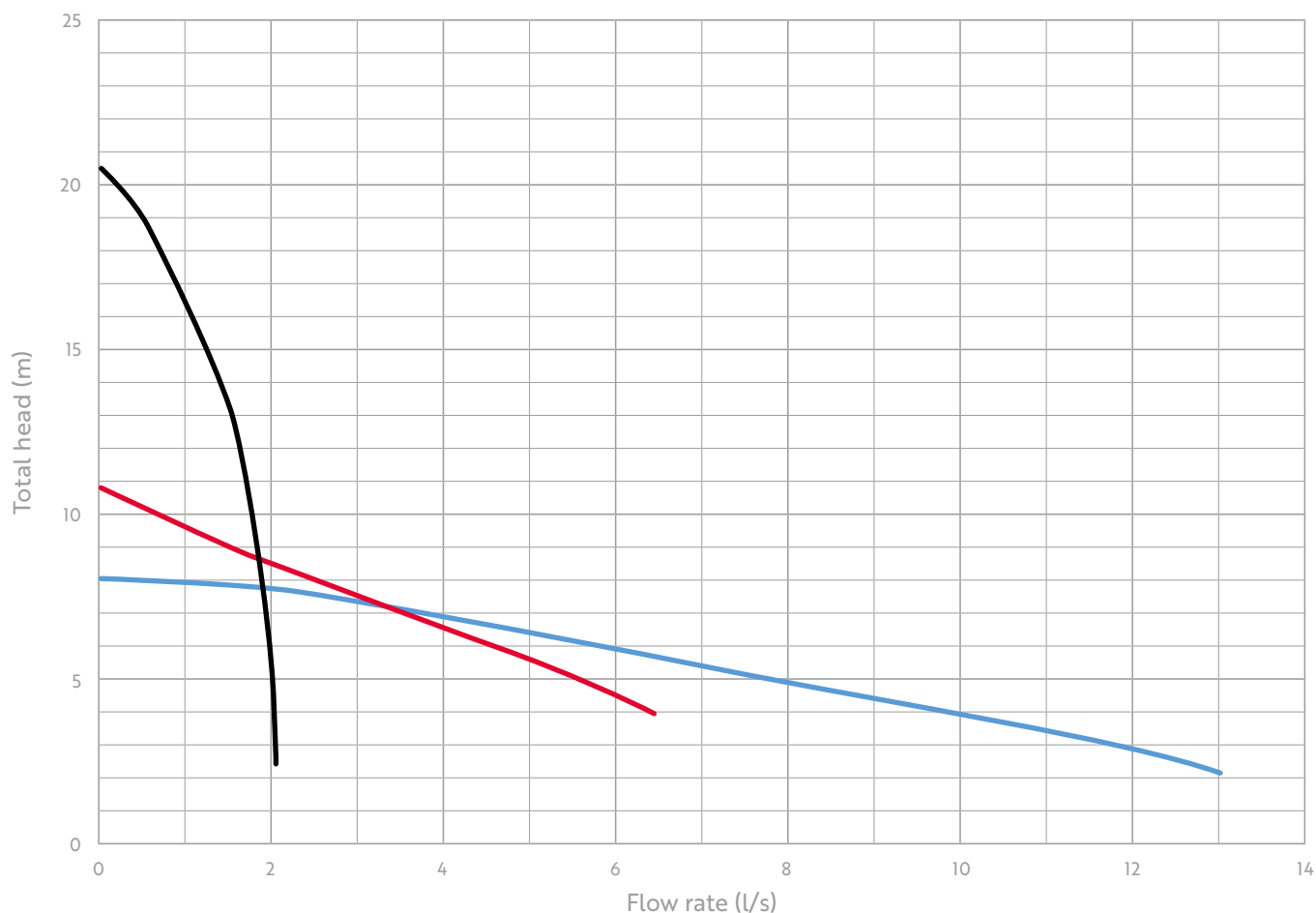
| Chamber model | Internal diameter (m) | Depth (m) | Nominal capacity (l) | Access opening (mm) |
|---------------|-----------------------|-----------|----------------------|---------------------|
| Grand 25 | 1.5 | 2.5 | 3000 | 800 x 1,000 |
| Grand 30 | 1.8 | 3.2 | 6500 | 800 x 1,000 |
| Grand 40 | 1.8 | 4.2 | 9000 | 800 x 1,000 |

PUMP SPECIFICATION

| Pump model | Application | Power supply | kW rating | Full load current (A) | Impeller type | Solids passage (mm) | Max flow (l/s) | Max head (m) | Final discharge connection |
|------------|--------------------|--------------------|-----------|-----------------------|---------------|---------------------|----------------|--------------|----------------------------|
| V28 | Foul or grey water | 230 V single phase | 0.75 | 4.2 | Vortex | 50 | 6 | 10 | 2" BSP Male |
| G10 | Foul water | 230 V single phase | 1 | 6.4 | Grinder | N/A | 2.2 | 20 | 2" BSP Male |
| V81 | Foul or grey water | 230 V single phase | 1.5 | 10 | Vortex | 76 | 12 | 8 | 3" BSP Male |

Vortech™ Grand Pump Curve

SINGLE PUMP CURVES









- V81 (foul or grey water)
- V28 (foul or grey water)
- G10 (foul water grinder)

IMPORTANT NOTE:

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The Dutypoint Packaged Pump Station Range

| | Vortech™ Poly range | QuikForm™ | Vortech™ plus horizontal GRP | Vortech™ plus vertical GRP | Vortech™ CombiTANK GRP | Rainwater harvesting system |
|--------------|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| Diameter (m) | 0.6 - 1.8 | 1.6 - 2 | 1.2 - 4 | 1.2 - 4 | 1.2 - 2.5 | 1.8 |
| Depth (m) | 0.6 - 4.15 | 2 - 8 | 2 - 26.5 (length) | 1.5 - 8 | 3 - 8 | 2.5 - 16 (length) |
| Capacity (l) | 280 - 9,000 | 3,000 - 25,000 | 2,000 - 300,000 | 2,000 - 100,000 | 2,000 - 40,000 | 4,000 - 39,000 |



For any bespoke requirements, get in touch with our team.

Call 01452 300110 or email sales@dutypoint.com

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