

David Cahill Design Consultants
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Gloucestershire
BS30 8XT

Tel No : 0117 9618888
E-Mail : davidcahilldesign@btopenworld.com

Attention of : David Cahill

Dear Sirs,

Re : 119 bristol road frampton cotterell

We thank you for your valued enquiry, and now have the pleasure of submitting our best offer for the most suitable equipment for the above scheme on a supply-only basis as detailed in the following.

1 No Saturn 4.5m Package Pumping Station Supply Only Basis,

Levels used

PPS CL = 0, PPS IL = -2.3, run length = 5m, outfall chamber IL = -1.1

Please Note: If these levels are incorrect please advise and we shall requote accordingly.

Please Note: To negate the need of an air valve and to achieve the lowest flow rate possible we have gone to the depth of 5m therefore the chamber will require lowering 500mm with brickwork by site. Due to this depth we are unable to offer BBA Accreditation as we are below the 4.5m depth of BBA testing. The lowest flow rate we can achieve with trimmed impellers is 2.4l/s.

Packaged Pumping Station, incorporating 50 mm pipework and valves all assembled and housed in a strong polyethylene chamber, with a FACTA B (Up to 25 tonne GLVW) access cover. A fully automatic control panel, activated by level switches complete with pump trip / high-level alarm with audio/visual warning are incorporated as standard.

Full details of our offer are included on pages 2 and 3 of our quotation, which is further supported by our Package Pumping Station literature.

All of our Planet range of Pumping Stations are of Superior Design and Quality Build for which T-T PUMPS has gained accreditation from the British Board of Agrément (BBA) Certificate No 06/4303.

The Package Pumping Station is supplied fully assembled and ready for installation on site. A detailed Installation Manual is supplied, allowing for easy installation by a competent builder or ground worker. The pumping station can be fully operable within a couple of days from delivery.

For the future we strongly recommend that you take advantage of our Service Agreement Scheme, to ensure that the pumping station has a long, trouble-free life. We are pleased to offer this at a fixed rate for the first 2 years, if the Service Agreement is taken out when the pumping station is ordered. For details see the separate Service quote, if you have not received this this can be requested separately.

We trust that our offer and enclosed information meet with your approval, and hope your interest will progress into a future order with T-T PUMPS, in the meantime if you have any queries or require any additional information, please contact the undersigned.

Yours faithfully,
T-T Pumps Limited

Karl Taylor
Tendering Engineer
Tel - 01630 647200

Quotation
T-T PUMPS PACKAGE PUMPING STATION



Serving : Surface Water 2l/s requested.

Pump Duty: Flow 2.40 l/s (With trimmed impellers)
Total Duty Head 4.03 metres

Pump: Qty 2
Model DGO 50/2/G50H A1CT5 Motor Submersible
40mm Solids Handling
kW Rating 0.37 kW FLC Amps: 1.1 Voltage: 400 Phase: 3
Cable Length 10 m
Operation Mode Auto (duty/standby)

Controls: IP54 Steel enclosure c/w run/trip indicators, pump trip / high-level warning alarm & volt free contacts.
(Not suitable for outdoor use unless installed within a kiosk - please see optional extras)
Where the control panel and associated equipment offered is on a supply-only basis, it is the requirement of the purchaser to ensure the completed electrical installation meets the requirements of BS7671 latest edition
Level Control 3 No Float Switches Cable Length: 10 m

Chamber : Model **Saturn** Product Reference :- PP/SATURN50C
Diameter 1.500 metres
Depth 5.000 metres (4.5m deep chamber lowered 500mm with brickwork by site)
Inlet Size 150 mm I/D **160 mm Outside Diameter**

Chamber Pipework: 50 mm

Valves: Gate Valve 50 mm
Reflux Valve 50 mm

Access Cover: Size mm 1200 x 900 mm opening
Loading FACTA B (Up to 25 tonne GLVW)
Suitable for: Pedestrian precincts, forecourts, light commercial delivery and parking areas

Outlet Pipework (not included, for provision by others)

Recommended Rising Main : 51 mm Inside Diameter Black HPPE (PE100) SDR 11
Size of HPPE adaptor : 63 mm Outside Diameter

Pumping Station Pipework Termination Point : 63 mm HPPE Adapter (included)

Unit Price for Supply Only : Net + VAT at prevailing rates where applicable.
Delivery Period Weeks from order acceptance (subject to credit/payment terms)
Carriage: As one drop with off Loading by Client.
Extra for M & E Commissioning: Net + VAT (Based upon a Single Specific Visit)

Extras: Weatherproof Control Kiosk Net + VAT at prevailing rates where applicable.
1250 H x 750 W x 400 D for a Sing eel Kiosk. (Green)
160 mm Inlet Assembly Net + VAT at prevailing rates where applicable.

Maintenance and Monitoring :-

Service and Maintenance Agreement =
(This price is per service based upon one annual service for domestic clients, or two visits for larger schemes)

Seer Junior Telemetry Rental = **Net Per Month** (Billed annually, unless quarterly invoicing requested - minimum 2-year contract applies).

Seer is TT's market-leading telemetry system to complement your Service and Maintenance agreement. (service agreement must be in place)

- Cloud-based monitoring.
- Remote system access and fault diagnosis.
- Remote system reset, correct faults quickly and avoid unnecessary call-out charges.
- Real time data log, often highlighting issues before they happen.
- Circa 75% of faults reset remotely, avoiding unnecessary labour and tankering costs.
- **For more information, please see our YouTube video:** <https://youtu.be/vno9aTFxjio>

(The rental price includes a cloud subscription, a sim card and monitoring of the pumping station in a single monthly price.

A 2-year minimum contract applies. Purchase options are available on request. Remote reset functionality needs to be via a compatible control system).



T-T Pumps Ltd, Onneley Works, Newcastle Road, Woore, Cheshire, CW3 9RU, United Kingdom

Tel: +44 (0) 1630 647200 Fax: +44 (0) 1630 642199 www.ttpumps.com Email: response@ttpumps.com

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Quotation
T-T PUMPS PACKAGE PUMPING STATION

Exclusions :

- a) Civil works relating to the installation of the package pumping station.
- b) Excavation / Backfilling .
- c) Pipework connection outside of package pumping station.
- d) Installation / Commissioning.
- e) We have not included for an NICEIC test or certification as part of this quotation. We shall provide you with the pump R2 reading (pump / earth continuity test result) post commissioning to aid others, alternative please contact us if you would like a quote for the NICEIC works.

Notes :

- 1) The above prices are net and do not include any main contractor discounts or retentions.
- 2) T-T PUMPS does not accept liquidated damages.
- 3) A comprehensive Installation Manual is provided, any requirement beyond the standard Conditions of Contract must be specifically agreed upon with T-T PUMPS, and confirmed in writing.
- 4) The cable lengths offered for the pumps and level control will allow the control panel to be sited a maximum distance of 1.75 metres from the pump chamber, with the control panel positioned not more than 1.5 metres above the cover level, having the cable ducting running in the most direct route.
If you have doubts about the cabling requirements please contact us and we will be happy to assist.
- 5) The pump offered are designed to transfer bodily waste, toilet paper and household wash waters only. Sanitary towels, condoms, cotton wool and other such items should not enter the pumping station.

Validity: Our offer is open for acceptance for an initial period of 30 days from the date of quotation. However, we reserve the right to review our quotation price post order considering both time elapsed between order placement, scheduled works / call off period and also taking into account any key material market price changes.

Terms: Terms and Conditions of Sale are available on our Website (www.ttpumps.com) or by request
For any onsite works a notice of cancellation must be provided at least 48 hours in advance; otherwise, all expenses and fees will remain applicable.

Storage and Retention:

We cannot comment on storage without a specified inflow and assume all storage requirements are elsewhere by others.

If you have a specific retention requirement other than that which we have confirmed above, please confirm the details of your requirements and we shall revise our offer where possible to suit.

Design Statement:

Please note that as part of this quotation, we endeavour to include all design features as per your request. If however we have failed to include a specific requirement within our quotation that you do require, please confirm so by return so that the quotation can be quickly revised. Any items not included for within this quotation will be fully chargeable should they be required at a later date.

Discharge Consent:

Prior to order, please ensure that you have raised the appropriate sewer connection application with your local water authority to confirm that the flow rate proposed from this pumping station design is acceptable should the system be discharging into an existing sewer network.

We endeavour to offer the correct pumping station design for the application, however, your local water authority may apply flow rate restrictions which in turn will affect the pumping station design.

TT will not accept or reimburse any costs should you choose to install a pumping station at your own risk, without the necessary consent in place.

Septicity:

Steps have been taken within this design to keep the risk of septicity occurring to a minimum. Our calculations are based upon the information provided at enquiry stage, additional septicity control methods are available should this be of interest to you.

Warranty

All T-T package pumping stations come complete with manufacturers comprehensive 12-month warranty which will run from the date that the system is delivered to site, or from the date of commissioning should T-T complete this element of the installation.



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A BBA accreditation is a recognised standard for government bodies, architects, specifiers and many other roles within the construction industry.

Our Planet range of package pumping stations are BBA accredited, demonstrating that they have passed a stringent testing process to ensure continual quality.

WHY CHOOSE BBA?

- Proven and guaranteed fit for purpose
- Rigorously tested and verified
- Factory built quality providing simplified installation
- Select with confidence
- Fully recyclable, reducing environmental impact



Seer is our most advanced telemetry monitoring system that allows either T-T or the client to monitor systems and assets in real-time 24/7, offering live status and alarm activation, combined with observational data logging that allows potential issues to be identified early.

WHY CHOOSE SEER?

- Peace of mind 24/7 monitoring
- Early intervention to prevent detrimental failures
- Pictorial view of equipment & clear easy to read status information
- Remote reset functionality with engineer on-site safety feature (compatible control panels only)
- Pro-active maintenance and remote diagnosis of faults
- Historical data analysis & performance trends
- Easy to navigate the home screen
- Capable of producing reports
- Reducing unnecessary call out costs



As an owner or operator of a sewage, drainage pumping station and clean water Booster set you will want peace of mind that your pumping system operates

efficiently by using our pumping maintenance plan. With our pump maintenance packages, we can help to meet these aims and avoid unexpected and costly breakdowns allowing efficient pumping, whilst also being environmentally friendly.

WHAT ARE THE BENEFITS?

- Reduced running costs including energy and maintenance
- Greater life expectancy for pumping equipment
- Reduced risk of breakdown with its resultant problems and inconvenience
- Better plant utilisation and return on capital
- Improved environmental conditions



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