



Designed & Manufactured  
in Great Britain



## Package Pumping Stations | Surface Water & Sewage



Planning, Guidance and Advice

Short lead-times

Installation and commissioning



[ttpumps.com](http://ttpumps.com)



Tel: +44 (0) 1630 647200



The **Planet® Range of Package Pumping Stations**, designed and manufactured by T-T and approved by the BBA, provide an efficient and economical way of installing a sewage / drainage pumping station.

A wide range of submersible pumps can be used for the Package Pumping Stations; we are able to select these from T-T's complete range, in order to match your requirements.

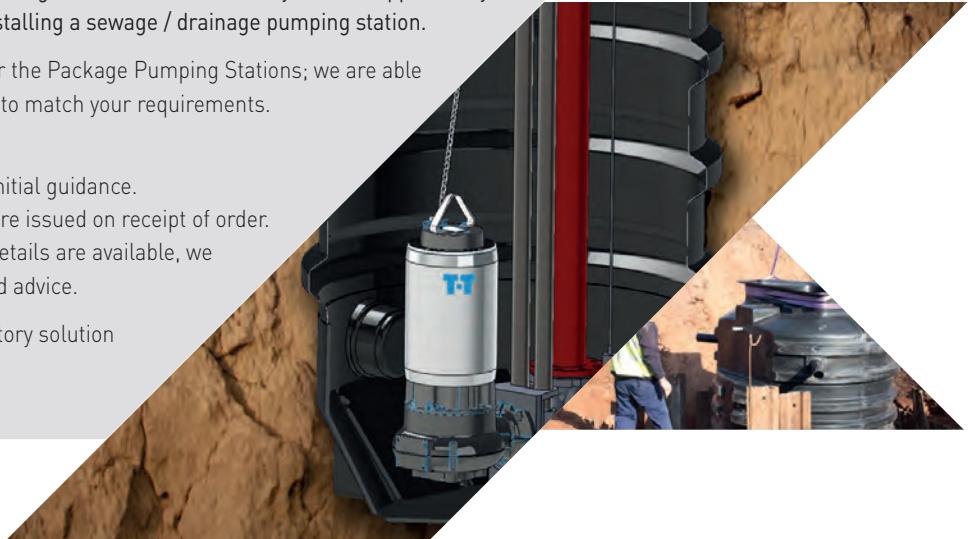
#### Important

The information given in this publication is for the initial guidance.

For each scheme, general arrangement drawings are issued on receipt of order.

For your further assistance, more comprehensive details are available, we will be pleased to provide additional information and advice.

Our aim is to provide you with a completely satisfactory solution for your pumping needs.



## FEATURES

- Pump chambers are well engineered and manufactured, and have passed rigorous and detailed testing, site inspections and factory production control assessment by the British Board of Agrément to achieve certification approval
- Packages come complete with pipework pre-assembled in the chamber, ready for installation into the ground, after which the pumps and control equipment are added
- Each pump chamber is made of strong medium-density polyethylene in a one piece construction without any joints or seams
- Smooth internal walls aid the hygienic disposal of effluents, to avoid smells and septicity
- All package pumping stations are supplied with controls for fully automatic operation, and a high-level alarm indicator
- Units can be adapted to suit individual requirements at manufacturing stage
- Packages are available on short lead-times to fit in with tight construction schedules
- A comprehensive instruction manual is provided
- Each chamber is hydrostatically tested, to ensure suitability for underground installation.

## WHY CHOOSE T-T

**T-T is a one-stop shop, looking after the project from start to finish. All equipment is manufactured and supplied by T-T**

- With a good stock holding of the most popular planet range options pre assembled, T-T can provide a complete package pumping station in a short lead time.
- We like to be involved at the earliest stage of the project to advise on the most cost-effective way to position and construct the pumping station, providing the most economical solution.
- The selection process for a pumping system can be complex and our trained engineers, with the aid of the latest computer systems, are able to look at the best options for your specific application.
- A comprehensive quotation is provided detailing a complete breakdown of what your potential system will include, for example chamber design, dimensions, pump and control system specification, and power supply requirements.



# COMING SOON...

**EU specification round top package pumping station.**  
Due to demand we are developing our Mercury and Venus pumping stations with a round top and 800mm access cover.



## MERCURY® SINGLE / DUAL\* PUMP

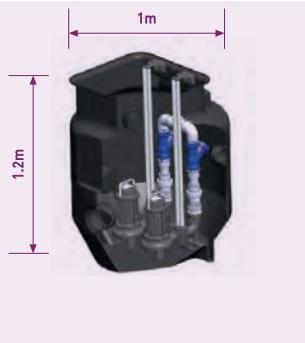


The Mercury® is ideal for small flows from a single dwelling and where excavation depth is limited.

### COMPATIBLE PUMPS

- CUTTER 80mm
- GRINDER 50mm
- VORTEX 50mm / 80mm

\*Dual pumps only available with 50mm Vortex / Grinder.



## VENUS® SINGLE / DUAL\* PUMP



The Venus® chamber is the most popular size for use in a single dwelling, toilet block, or small office.

### COMPATIBLE PUMPS

- CUTTER 80mm
- GRINDER 50mm
- VORTEX 50mm / 80mm

\*Dual pumps only available with 50mm Vortex / Grinder.



## SATURN® DUAL PUMP

The Saturn® chamber is suitable for small housing and industrial / commercial developments, restaurants, small hotels / nursing homes, caravan sites.

### COMPATIBLE PUMPS

- CUTTER 80mm / 100mm
- GRINDER 50mm
- VORTEX 50mm / 80mm / 100mm
- CHANNEL 80mm / 100mm



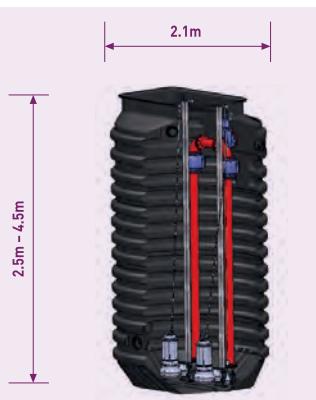
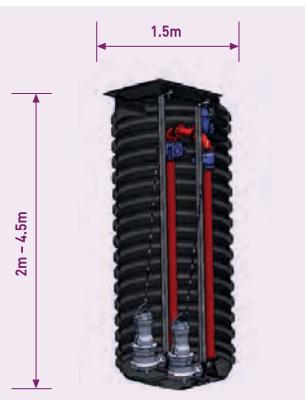
## JUPITER® DUAL PUMP



The Jupiter® chamber is suitable for larger developments, hotels, hospitals and sewage works. The basic unit is capable of special build modification to provide capacities up to 15,500 litres, and can be incorporated into schemes where, for example Sewers for Adoption specification is required.

### COMPATIBLE PUMPS

- CUTTER 80mm / 100mm
- GRINDER 50mm
- VORTEX 50mm / 80mm / 100mm
- CHANNEL 80mm / 100mm / 150mm

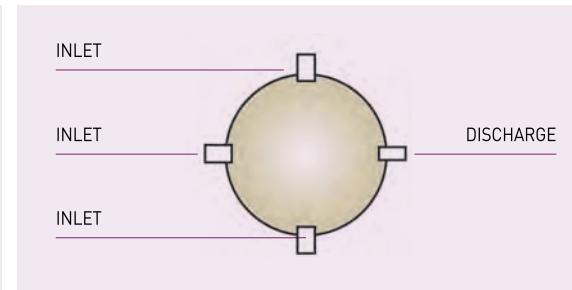
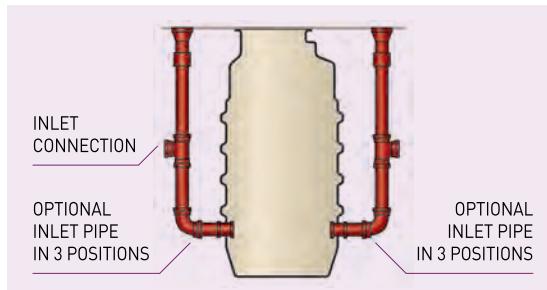
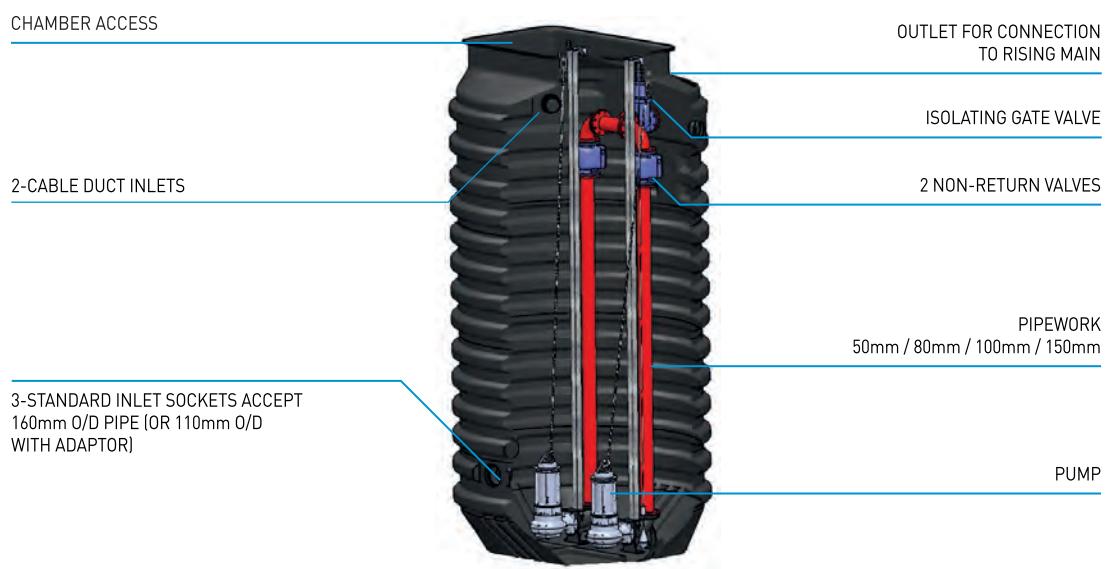




# PACKAGE PUMPING STATIONS



## TYPICAL DUAL PUMP PACKAGE PUMPING STATION



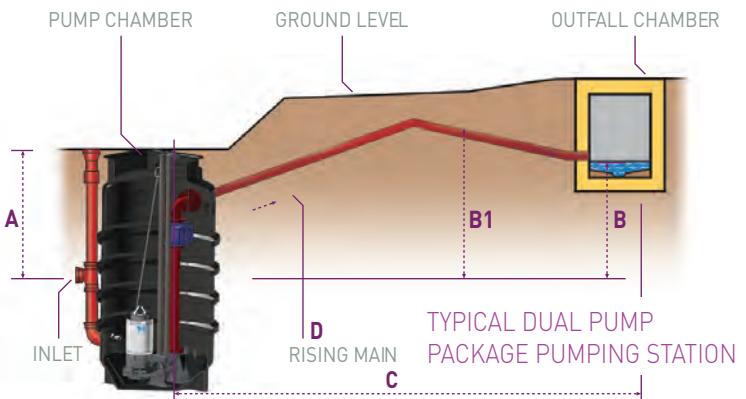


# SITE DATA SELECTION ENQUIRY FORM

Good pumping system selection is critical to ensure that our customers enjoy optimum life and performance from their pumping station. The selection process for a pumping system is complex and our trained engineers, with the aid of the latest computer systems are able to look at the best options for your specific application.

Some several hundred calculations are made for each selection to ensure that the pumping system chosen has the optimum efficiency, reliability and compliances. The following questionnaire will help us make the best selection.

**Please refer to the diagram opposite.**



SITE/SCHEME NAME		
SITE/SCHEME ADDRESS		
A*	Depth from ground level to inlet invert	mm
B*	Difference in level between inlet level and discharge into outfall chamber	mm
B1*	Highest point of raising main (if higher than discharge of rising main)	mm
C*	Total pipework run from pump chamber to outfall chamber	m
D	Rising main internal diameter (we can advise if required)	mm
D1	Rising main material	
E	Fluid to be pumped:	
<input type="checkbox"/> SEWAGE <input type="checkbox"/> DRAINAGE <input type="checkbox"/> STORM WATER		
OTHER <input type="checkbox"/> (specify)		
INFLOW VOLUME	l/s	SURFACE AREA TO BE COLLECTED
F	Pumping capacity required	l/s
or: Max number of occupants		
or: Number / type of property		
G*	Electrical power supply available (400V 3Ph required if adoptable station)	
230V <input type="checkbox"/> 400V 3PH <input type="checkbox"/>		
H	Kiosk for control panel required ('Yes' if adoptable station)	
Yes <input type="checkbox"/> No <input type="checkbox"/>		
If 'Yes' will the electricity meters be housed in kiosk? ('Yes' if adoptable station)		
Yes <input type="checkbox"/> No <input type="checkbox"/>		
I	Fluid storage period required	hrs
Required chamber volume (if known)		

YOUR SITE DATA		
J	Access covers loading ('vehicle not highway' if adoptable station)	
Pedestrian <input type="checkbox"/> Vehicle Not Highway <input type="checkbox"/> Road Going Highway Rated <input type="checkbox"/>		
K	Telemetry monitoring ('Yes' if adoptable station)	
Yes <input type="checkbox"/> No <input type="checkbox"/> If 'Yes': Landline <input type="checkbox"/> Mobile Phone Technology <input type="checkbox"/>		
L*	Will the pumping station be adopted?	
Yes <input type="checkbox"/> No <input type="checkbox"/>		
M	If 'Yes' who is the adopting authority?	
N	Service contract required?	
Yes <input type="checkbox"/> No <input type="checkbox"/>		
Other information		

YOUR CONTACT DETAILS		
Company Name		
Name		
Job Title		
Address		
		Postcode
Telephone		
Fax		
Email		

## COMPLETE PACKAGES

1. Purchase your pumping stations from us
2. Have it installed by our fully trained mechanical and electrical engineers
3. Take out a T-T Service Agreement for worry-free pumping station maintenance

**BIM** - Our Pumping Station's are available as BIM objects on the NBS National BIM Library.

**CPD** - We offer a lunch and learn RIBA accredited CPD, this seminar goes through the selection and installation of a pumping station.

### T-T Service®

To ensure continued maintenance of your package pumping station, we recommend that you take out a Service Agreement, this will provide periodic service visits and repairs if necessary.



### T-T Controls®

All package pumping stations include high-level alarm indicator via float switch in pump chamber. Automatic level control operation is provided, with float switches separately suspended. Alternative level systems, such as non-contact ultrasonic sensors, are provided to special order.

Depending on the exact requirements for each site, our T-T Controls division can design and manufacture control panels to your specification.

#### STANDARD PANEL

Our most popular and versatile range of standard DOL/ASD control panels. The Libra range offers extensive choice if single and dual motor control options suitable for 1Ph 230V and 3Ph 400V power supplies.



#### Optional Extras:

- Warning beacon for pump trip or high level
- Audible alarm, mute push button and terminals for remote alarm
- Door mounted overload reset
- Ammeter and hours run meter
- Fused telemetry supply



#### BESPOKE PANEL

T-T controls are specialists in designing, manufacturing and installing control systems for a wide selection of applications, varying in size and complexity.

We pride ourselves on our reputation for high standards, quality and client satisfaction.

#### What we offer:

- In-house sales and design team equipped with the latest technology
- Skilled and qualified personnel and installation teams
- Rigorous inspection and testing to ISO9001, meeting current standards
- Complementary range of ancillary products such as telemetry.



#### TELEMETRY

Our Text-Tel series offers a revolutionary range of monitoring devices all offering peace of mind, reporting any failures or condition changes on remote equipment, equivalent to having an engineer observing on site.



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