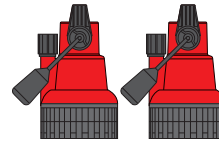
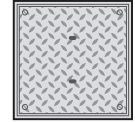




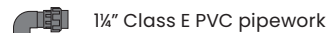
SYSTEM OVERVIEW



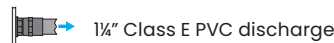
Two powerful free-standing automatic pumps



Access cover, solid top, locking, galvanised steel, FACTA AA



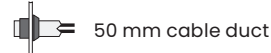
1/4" Class E PVC pipework



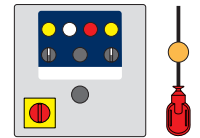
1/4" Class E PVC discharge



110 mm inlet



50 mm cable duct



Timer control panel with high level alarm and volt-free contact

A fully automatic wastewater pumping system suitable for pumping surface and/or groundwater to a higher level when gravity drainage is not possible and/or economical to install.

It features two powerful submersible pumps for high head (up to 12 m) and flow (up to 4 l/s) applications.

The system provides up to 165 litre storage capacity depending on inlet depth. It can accept waste from car parks, car washes, floor areas, down pipes, cavity membrane systems or similar.

The system consists of a polyethylene tank, two powerful automatic wastewater submersible pumps and a solid top, locking, galvanised steel access cover (FACTA AA). A control panel balances the wear between the two pumps, and provides a high level alarm and volt-free contacts for remote monitoring.

It discharges to solvent welded 1/4" Class E PVC. Optional discharge reducer kits can increase external discharge diameter to 1/2" or 2" to reduce friction loss.

It is easy to install as inlets can be positioned to your site's requirements. Inlet information to be supplied at time of order, or can be drilled on site.

For groundwater and surface water applications where inflow cannot be controlled a battery backup system should be used, in accordance with BS 8102:2022 and PCA Guidelines. Battery backup systems can be purchased to your specification.

KEY FEATURES

- Powerful vortex pumps for high head and flow
- Twin pumps for backup if one of the pumps fail
- Control panel for timed changeover, high level alarm and volt-free contacts
- Up to 165 litres storage capacity
- Compact chamber for limited space installations
- Ideal for an extension, outbuilding, basement or similar
- 450 mm x 450 mm clear opening
- Variable inlet positions to suit site
- A range of battery backup systems are available
- A range of alarms and remote alerts are available
- Quick and simple to install

WASTE TYPE



Grey



Ground



Surface

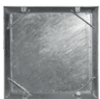


Storm

This system is not suitable for receiving foul waste. Contact our Sales Team for advice on a suitable water packaged pumping station for your property.

RECOMMENDED ACCESSORIES

Inlay access cover
450 x 450 mm



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Additional inlet

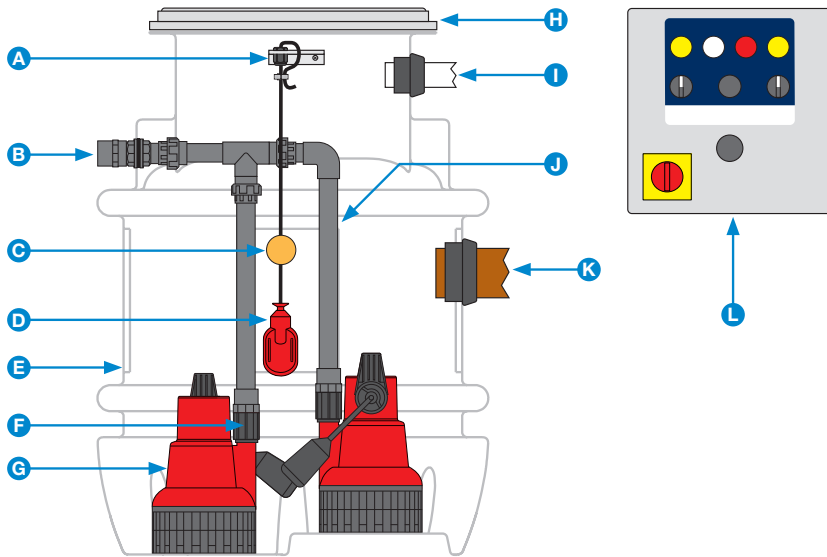
110 mm 50 mm



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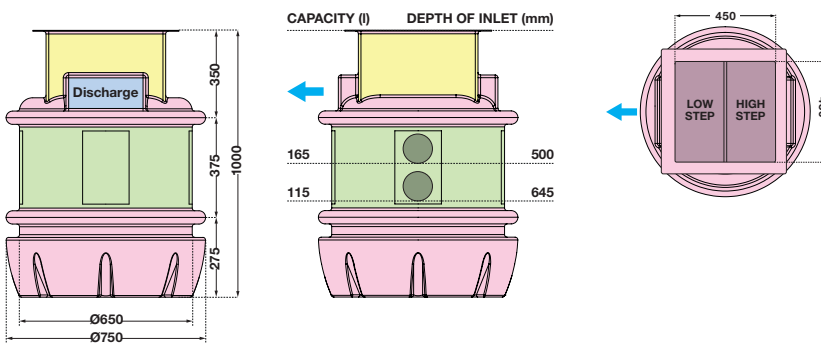
107035

EXAMPLE INSTALLATION



- A 50 mm cable duct positioned to site requirements.
- B 1¼" Class E PVC plain female discharge for solvent welding to high pressure PVC.
- C Counterweight.
- D High level alarm float.
- E Structurally-reinforced virgin tank-grade polyethylene chamber.
- F Non-return valve.
- G Powerful 240 V automatic submersible pump.
- H Galvanised steel, solid top, locking, access cover, FACTA A.
- I 50 mm cable duct.
- J 1¼" Class E PVC pipework.
- K 110 mm inlet positioned to site requirements (additional inlets available).
- L Timer control panel with high level alarm and volt-free contact.

CHAMBER DIMENSIONS



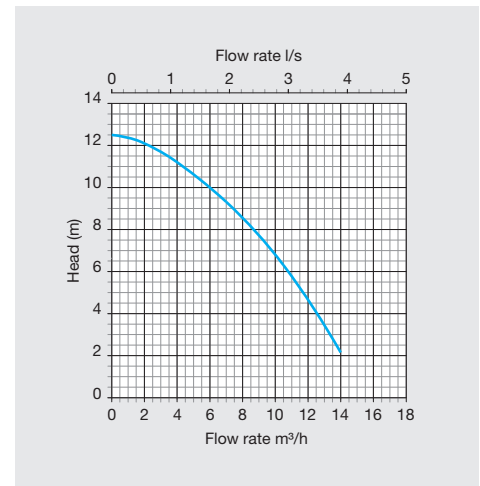
Permitted connection positions

Capacities indicative from lowest inlet invert.



PUMP SPECIFICATIONS (PER PUMP)

| | |
|----------------------|-----------|
| Number of pumps | Two |
| Impellor type | Vortex |
| Control | Automatic |
| Power supply | 230 VAC |
| Rated current | 4.9 A |
| Motor rating (P2) | 500 W |
| Discharge size | 1¼" |
| Free passage | 10 mm |
| Max. vertical output | 12.5 m |
| Max. flow rate | 4.0 l/s |
| Max liquid temp. | <40 °C |
| Cable length | 5 m |
| Weight | 6.9 kg |



CHAMBER SPECIFICATIONS

| | |
|-----------------------|-------------------------|
| Internal pipework | 1¼" OD Class E PVC |
| Discharge pipework | 1¼" OD Class E PVC |
| Lifting eyes | No |
| Max. storage capacity | 165 litres |
| Chamber material | Tank-grade polyethylene |
| Dimensions (Ø x H) | 750 x 1000 mm |
| Clear opening | 450 x 450 mm |

In accordance with Tricel's normal policy of product development these specifications are subject to change without notice. Tricel (Killarney) Unlimited Company trading as Tricel.