

# Polyethylene Packaged Pumping Stations



## THE POLYETHYLENE PACKAGED PUMP STATION

The Netco Polyethylene Packaged Pump Station is the quick and reliable solution for any situation where sewage or stormwater needs to be pumped to a mains connection. Designed to reduce work onsite and installation time, each pump station is supplied as a complete, factory assembled package, with pumps, pipework and controls, selected to meet your site requirements.

## PUMP CHAMBERS

Netco Polyethylene pump chambers are designed to give them superior strength, with oversized ribbing, moulded inlet stubs and a supported base design. These roto-moulded tanks are easy to clean, lightweight and provide maximum resilience for transport, installation and a long service life.

### SIZE TABLE

Model	Nominal Depth	Internal Diameter	Volume
NPE 650	900mm	730mm	250L
NPE 650	1000mm	1000mm	650L
NPE 1200	1600mm	1000mm	1200L
NPE 1600	2200mm	1000mm	1600L
NPE 2000	1200mm	2000mm	2000L
NPE 3000	2300mm	1600mm	3000L





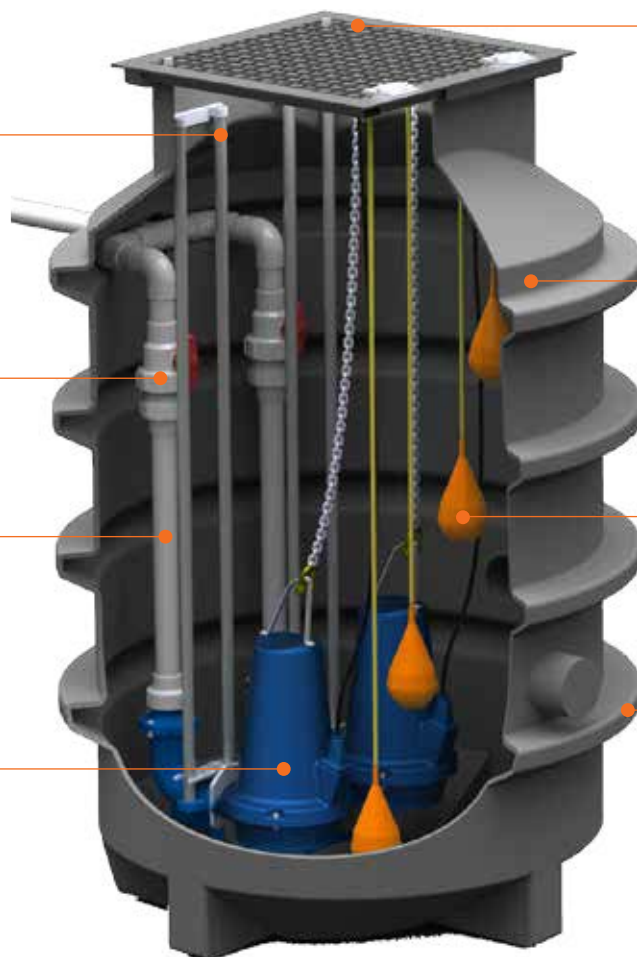
## PUMP STATIONS

Optional Auto-coupling guiderail system for quick removal and reinstallation of pumps.

Check valves – available in PVC, bronze or stainless steel.

PVC or polyethylene pipework for a long, maintenance free life

Single or dual heavy-duty submersible sewage pumps. Wide range of options available



Aluminium anti-skid access cover. Trafficable Cast Iron options available.

Rotomoulded polyethylene tank with oversized heavy duty ribbing. Adds strength and assists in antiflotation.

Float switch and level probe options available for reliable pump control.

Moulded inlet stubs ensure leak-free installation – no damage to the environment

## PUMPS

Netco is able to treat their customers to a huge range of pumps for any application. With an extensive range of brands and styles to choose from you can be sure the correct pump will be fitted to your pump station. Your pump will be selected to meet specific site requirements.



Cutters



Grinders



Drainage



Vortex

## ABOVE GROUND CUSTOM PUMP STATIONS

Netco offers to custom manufacture above ground pump stations for unique situations, respective of space requirements and any other requests the customer might have.



## CONTROLS

Netco offers a wide range of controls for pump stations, ranging from single integrated float switch operation to dual-alternating and even triplex systems. Various levels of protection and status indication are available. Simply call our staff to discuss your requirements. Netco also offers a range of control panels which allow your pump station to be operated from a smartphone.

### WITH THE APP YOU CAN:

- Manage the system on your smartphone or tablet
- Start-up/shut down the pump remotely
- Receive any type of alarm (pump faults, levels, motors, etc.)
- Modify operating logic
- Modify safety device trip thresholds
- Simultaneously manage numerous different systems





## COVERS

Netco offers a wide range of Pump Station covers that can be selected specifically to meet site requirements.

### 'GATIC' and Grated Covers

The Netco cast-iron, solid-top 'GATIC' covers, and hinged galvanised grated covers are suitable for vehicular traffic and are available in various sizes and loading ratings.

Class B: Suitable for Light vehicular traffic (standard cars)

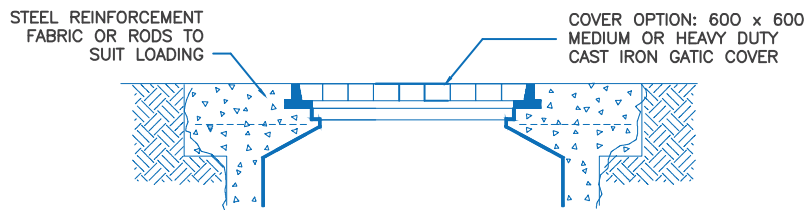
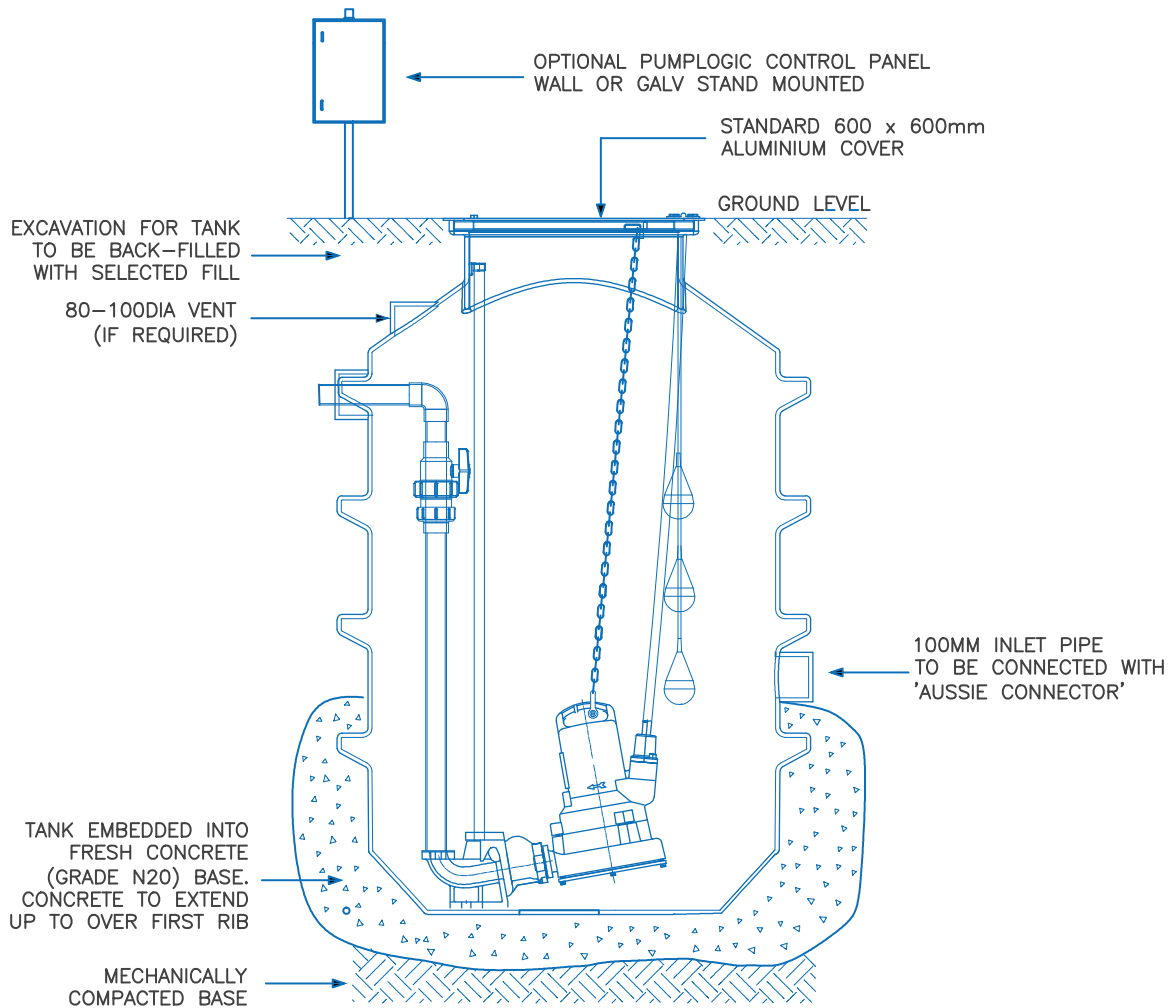
Class D: Suitable for Heavy vehicular traffic (trucks)

Sizes available:   600mm x 600mm  
                          600mm x 900mm

### Aluminium Cover

Netco's light-duty, Class A aluminium access cover is suitable for pedestrian traffic loading and measures 600mm x 600mm. This cover is bolted to the top of the chamber, is lockable, and facilitates easy access to the pump station for maintenance purposes.

# TYPICAL INSTALLATION



## LIGHT / HEAVY SERVICE COVER INSTALLATION

**Note: Set pit down to allow for cover thickness**

## Installation Notes

1. Tank construction is 8mm polyethylene manufactured in accordance with strict quality control procedures.
2. Compact a 100mm bed of sand to a finished depth 100mm deeper than tank depth. Bed tank down in fresh concrete and pour additional concrete around sides to up over first tank rib. If bottom of tank is below maximum ground water level, contact site engineer to confirm the extent of the ballast required. Concrete to be continued to top of tank on all installations within the foundations of a building. When using cast iron load-bearing cover, tie cover in with surrounding concrete or support cover by continuing concrete up sides of tank. Note - set top of tank below ground level to allow for thickness of cast iron cover.
3. Vent and inlet penetrations to be made on site and sealed through pit wall using Multi-Seal or similar. Vent and to be as close as possible to top of tank. All penetrations to be at right angles to tank wall.
4. Electrician to connect pumps and level probes/ floats, and seal cables inside conduit with silicon to prevent gases venting into pump controller. Check for adequate power supply before commencing installation.
5. Before connecting power supply to pump controller, check all connections and relays for any misplacement that may have occurred during transport. When commissioning, set overloads to pump nameplate amps. Record voltage and running current whilst pump is under load. **IMPORTANT:** On three phase units, direction of rotation must be physically sight checked by lifting pump.
6. Adjust start level to give a minimum of one start per day under normal operating conditions, with a maximum of 10 starts per hour continuous. Set high-level alarm float 100mm above start switch.
7. Tank to be regularly cleaned by hand-held hose, and pump and alarm operation checked. In high grease applications, tank should be degreased on a regular basis by a waste removal contractor. Pump to be removed for service on approximately a 12 monthly cycle.

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