

Pumps, Pumping Systems and Ancillaries

NEWTON TITAN-S

Surface Water Pumping System

Rev 1.0 - 16 August 2017

PRODUCT CODE - TPS

INTRODUCTION

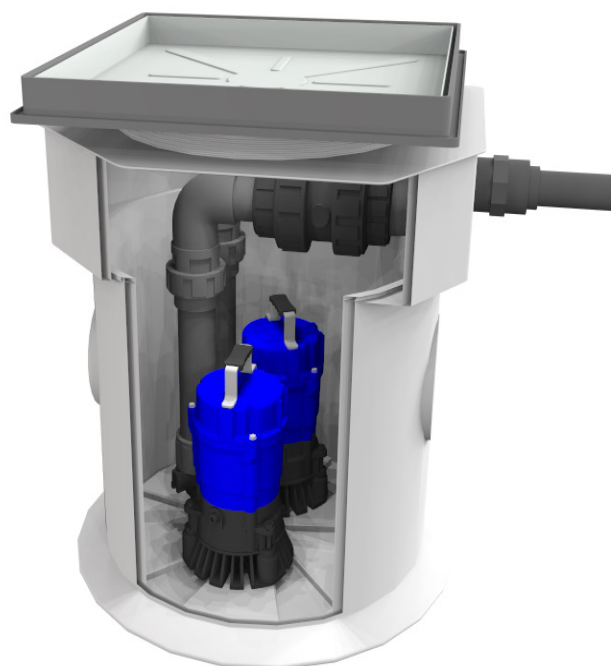
The [Newton Titan-S](#) is designed for the pumping of ground water or surface water where the added features of the Titan-Pro are not required. The Newton Titan-S is ideally suited for receiving connections from rainwater gullies and surface slot drainage entering the sump through optional 110 mm wall flanges for connection to incoming pipe-work.

The Titan-S Pumping System is a general purpose pumping system suitable for use with our range of clean and effluent pumps and can be used with single and twin pumps and twin pumps with twin discharge lines for greater pump efficiency.

If the pumping system is to be used with our [Newton System 500](#) waterproofing system, please use the [Newton Titan-Pro](#). For sewage or deeper chamber requirements, please use the [Newton Trojan](#) range of pumps.

BENEFITS

- Compatible with a large number of Newton NP and CP clean water pumps (see page 2)
- Fully built system includes all internal pipe and pipe fittings ready for 50 mm or 63 mm rising main
- One-way valve for each pump included
- Two quick-release couplings per pump for easy installation and removal for servicing
- Adjustable neck ensures that the lid is always at the correct height regardless of floor finishes
- Newton [PA50 High Water Level Alarm](#) included with pump and pipe kits (TP3 - TP47)
- Supplied with sealed and locked recessed lid
- Flat areas to side of chamber ready for wall flanges to receive incoming 110 mm drainage pipes. Wall flanges are available as cost options (see page 3)
- Large foot to base of chamber to prevent flotation
- Anti-Drip system available for the inside of the chamber



TYPICAL APPLICATIONS

The Titan-S is specifically designed for the pumping of surface water collected by:

- Light-wells
- Gullies
- Surface slot drainage

PRODUCT LIFE EXPECTANCY

The Titan-S chamber is made from robust HDPE and should provide, under normal service conditions, a chamber for the life of the building. Please see the relevant data sheets for confirmation of the guarantees for the pumps and ancillaries used within the pumping system.

LIMITATIONS

Not recommended for sewage. Please use [Newton Trojan](#) sewage lifting systems.

ANCILLARIES

- Power failure protection for [CP250](#) pumps: [Newton Victron Inverter 12/800/35](#) - Newton Code BB1
- Power failure protection for [CP400](#), [NP400](#) & [NP400W](#) pumps: [Newton Victron Inverter 12/1200/50](#) - Newton Code BB2
- Power failure protection for [CP750](#), [NP750](#) pumps: [Newton Victron Inverter 12/3000/120](#) - Newton Code BB3
- Newton Text and Speech [Dialer](#) that can send either text or voice messages to up-to eight designated phones should an alarm condition occur - Newton Code PA5
- Advanced pump control with the [Newton Control Panel-Pro](#) that features a weekly diagnosis of the pumps - Newton Code CP2
- Newton [Pump Controller](#) - Simple pump panel that also features a weekly diagnosis of the pumps - Newton Code CP9

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PUMP OPTIONS

The Titan-S pumping system can be supplied with single or dual automatic or manual pumps, with single or dual pipe discharge lines. Please use the duty graph adjacent and the pump data sheet to confirm the required pump duty. When ordering, please confirm to the sales staff:

- Pump model
- Automatic pump or manual pump
- Number of pumps
- Number of pipe discharge lines

Please note that manual pumps must be matched to the Newton Pump Controller or Newton Control Panel-Pro.

Automatic pumps, except for the **NP400W**, are supplied with Vertical Float Switches that allow for very flexible pump switching, allowing for adjustment of the ON & OFF positions of each pump, as well as the overall height of the pump switching.

The **NP400W** has an adjustable float system that is unaffected by effluent and washing machine waste.

Please see pump data sheets for further information.

Newton can supply the sump system as a whole or we can supply the sump chamber and the fittings required for sump installation, separate to the pumps and High Water Level Alarm. Please confirm your preference with the sales staff.

The internal pipe and fittings are included.

External pipe and fittings in either 50 mm or 63 mm can be ordered as required and this is confirmed on Page 3.

Newton **CP250** - Auto and Manual versions

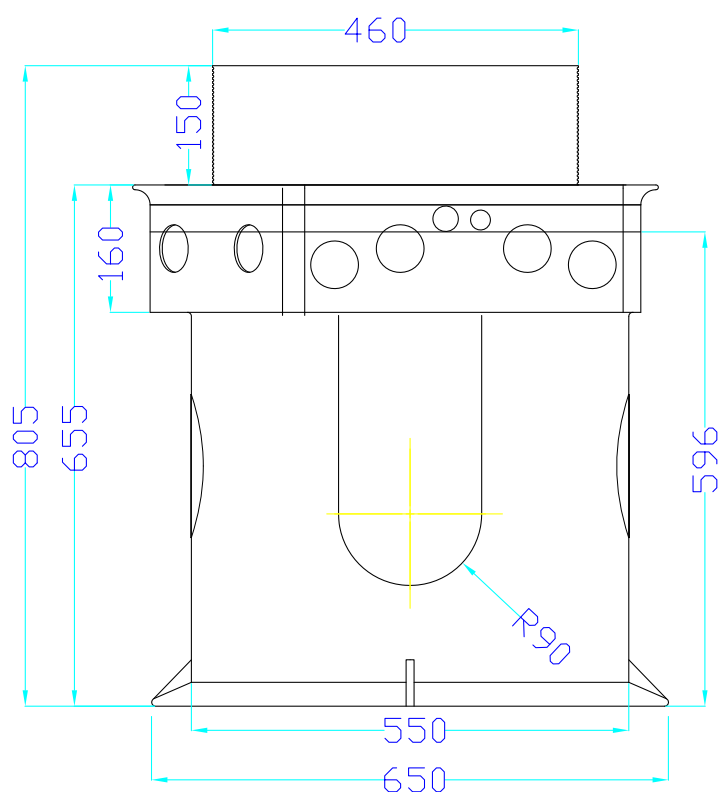
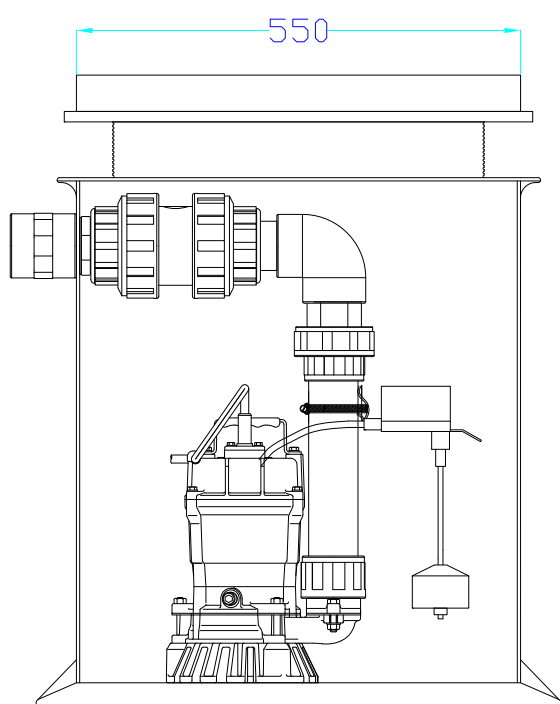
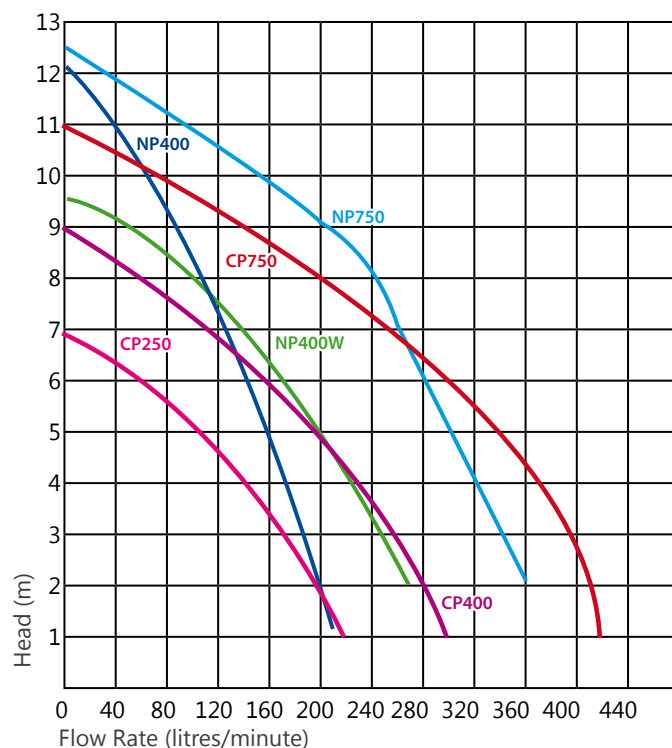
Newton **CP400** - Auto and Manual versions

Newton **NP400** - Auto and Manual versions

Newton **NP400W** - Auto only

Newton **CP750** - Manual only

Newton **NP750** - Auto and Manual versions



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SPECIFICATION

Newton Waterproofing Systems are in partnership with RIBA NBS who publish details of our products and systems within their specification clause library to allow Architects ease of specification through their NBS Plus interface. NBS clauses can be accessed via the technical resources area of the web site where a live NBS Feed is available at [NBS Plus Live Feed](#). Our website has drawings available for download in [Technical Drawings](#). A selection are also available via [FastrackCAD](#), as well as a range of BIM objects on the [NBS National BIM Library](#).

OPTIONS

ITEM	Product Code
<i>uPVC Pressure Rated Discharge Pipe</i>	
50 mm Pipe - 2.5 m lengths	PP1
50 mm 90 degree elbows	PP2
50 mm 45 degree elbows	PP3
50 mm female-female sockets	PP4
50 mm Tee	PP5
50 mm wall mount clips	PP6
1½" BSP to 50 mm Hosetail	PP28
1½" BSP to 50 mm Socket	PP43
63 mm Pipe - 2.5 m lengths	PP10
63 mm 90 degree elbows	PP11
63 mm 45 degree elbows	PP12
63 mm female-female sockets	PP13
63 mm Tee	PP14
63 mm wall mount clips	PP15
uPVC Solvent-on Wet 'R Dry - 240ml	G2
uPVC Pipe Primer - 473ml	G3
<i>Alternative Frame and Lid</i>	
Galvanised steel frame recessed lid with 450 x 450 mm opening	TPSL2
Stainless steel edged recessed lid with 450 x 450 mm opening	TPSL3
Brass edged recessed recessed lid with 450 x 450 mm opening	TPSL4
Alulite triple-sealed recessed lid with 450 x 450 mm	TPSL7
<i>General Options</i>	
Wall flange for 63 mm inlet	TP01
Wall flange for 110 mm inlet	TP02
Hole Cutter for 110 mm wall flange	PA34
Arbor for hole cutter	PA33

OPERATIONAL MANUAL

Please refer to the [Operational Manual](#) which is supplied in paper form with the product, or available from our website.

TRAINING AND COMPETENCY OF THE USER

Installation should be by competent persons.

Connection of pumps and pump ancillaries to the power supply should be by a qualified and certified person.

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.