



Taylex Dual Alternating Pump Stations



Built to Last!

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Manufacturing Tanks Since 1969

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About Taylex™

Taylex Industries Pty Ltd is an Australian owned company commencing business in 1969 by manufacturing the first purpose designed home sewage treatment plant. We continue to lead the market in design, manufacture and the complete installation of precast concrete and rotational plastic moulded tanks.

Taylex has a national group of authorised distributors. These distributors market, install and service our range of products throughout Australia. These small businesses are all privately owned enterprises and are operated in your local area. Taylex issues these distributors with certificates of competency verifying their successful training in the installation and maintenance of our equipment.

Taylex has an ongoing commitment to the industry and is a member of the AWTA (Australian Wastewater Treatment Association). We have ISO:9000 Certification and our products are approved by all state authorities and also comply with all relevant Australian standards.

Taylex strives to continually develop the best products by way of its Research & Development activities. The Taylex domestic wastewater treatment plant, the Advanced Blower System (ABS) is only one of the products resulting from this research. We are now proud to release our extensive range of pump stations suitable for various applications.

More importantly, Taylex has a continuing commitment to its clients and the end users of our products. We honour our commitment by only appointing the best tradespeople as its Authorised Distributors and we will honour any valid Warranty Claim that a distributor presents on an owner's behalf. In addition to this we provide spare parts back-up, in house service training at our manufacturing facility and where required in the field.

Taylex is operated by the second generation of founding families and we are determined to be here for at least the next 50 years.

Taylex Distributors Australia wide



Please refer to our website for additional information

www.taylex.com.au

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TAYLEX PUMP STATIONS

Taylex Industries offer purpose built pump stations suiting most commercial and domestic applications. Manufactured in precast concrete they are built to last. Our standard sizes of concrete pump stations range from 1,000 litres to 22,000 litres. Taylex Pump Stations come complete with state of the art electronic controllers, high quality pumps, all internal pipework, guide rails and floats.

APPLICATION

Taylex Dual Alternating Pump Stations are designed to suit commercial and domestic applications where wastewater or stormwater is required to be retained or collected, prior to transferal.

FEATURES & BENEFITS

Easy to Install - Taylex Pump Stations come complete with all internal pipework, pumps and guide rails factory fitted as well as the electrical controller. Installation is quick and easy saving you time and money on site.

Flexible Design – Taylex can custom design a site specific system to suit all your site and customer requirements.

Watertight – Taylex Pump stations are constructed of monolithic steel reinforced 32 MPA precast concrete with no joints that can leak. The lids are sealed to the tank in the factory.

Chemical and Gas Resistant – Taylex Sewage Pump Station walls, floor and roof can be coated with a two pack chemical and gas resistant epoxy paint that stops the gases from the sewage eating away at the concrete, ensuring a long trouble free life of the tank.

Large Capacity - Taylex Pump Stations are sized according to your requirements and come in a range of sizes from 1,000 litres up to 22,000 litres.

Anti-Flotation Flange

The 1,000, 4,000, 5,000 and 10,000 litre tanks have a factory fitted anti flotation flange. The 15,000 and 22,000 litre tanks come supplied with pre cut galvanised reo bars and pre drilled insertion holes in the base of the tank. The reo is fitted on site and a concrete flange is poured on site to prevent floatation.

Sloping Floor - Taylex Pump Stations can be factory fitted with a sloping floor to create a sump for the pumps to be seated in, and directs the influent to the pumps to reduce build up in a sewer situation.

Dual Alternating Pumps - Taylex Pump Stations come complete with dual alternating pumps. This ensures continued service if one pumps should break down. The Taylex Pump Station can be fitted with any pump depending on the requirements of the site. These will range from 50mm up to 100mm outlet pipes.

Internal Pipe Work - All Taylex Pump Stations are factory fitted with the internal pipework and pump rail lifting kits. They are all fitted with 50mm to 100mm female threaded outlets on the exterior wall of the tank. This allows easy connection to the rising main on the site. There is no internal work required by the installer. Standard pipe work is PVC. Alternative pipe materials can also be supplied.

Inlet Pipes - All Taylex Pump Stations have 100mm inlet holes that are factory fitted but due to the nature of sites these are generally blocked off with a 100mm uPVC cap and new holes are core drilled on site to meet the required inverts for the site. If the exact invert level and orientation for the inlet pipes are known, these can be cored at the factory for an additional charge.

Dual Alternating Pump Controller - Taylex Pump Stations are supplied with a state of the art electronic controller, that has the ability to have audible, visual and telemetry alarm warning systems. The control panel can be mounted on the top of the pump station or alternatively can be mounted on a wall beside the unit if required. Extra cable will be required in this situation.

Easy Gas Tight Access – Taylex Pump Stations are fitted with class B or class D gas tight rectangular covers. These covers are long life Composite Lids giving greater protection from gasses and corrosion over Cast Iron Lids and with weight less than Cast Iron Lids. A clear opening of 900 x 600mm is adopted for safe and easy access to service pumps and equipment and the covers are bolted down for extra security. Cast Iron Lids can also be fitted if requested.

Mode Of Operation

Water enters the pump station from what can be multiple sources, for example pumped or gravity fed.

As the water level within the chamber rises, float switches situated in the tank at predetermined levels activate the pumps. At initial start-up pump No. 1 will activate. As the water level within the chamber lowers so does the float switch. Once the float switch reaches a pre-set depth within the chamber the pump will automatically turn off.

The next time the water level reaches the predetermined level the controller will alternately turn on pump number 2. Then following activations will alternate between pumps 1 and 2.

High Water Float

When this Float is activated both Pumps will come on. The Pump Station will stay in High Water Mode until the High Water Float is in the down position.

Working Float 2

Operates the second pump when the inflow exceeds the flow capability of pump 1.

Float Up is Pump On. Float Down is Pump Off

Working Float 1

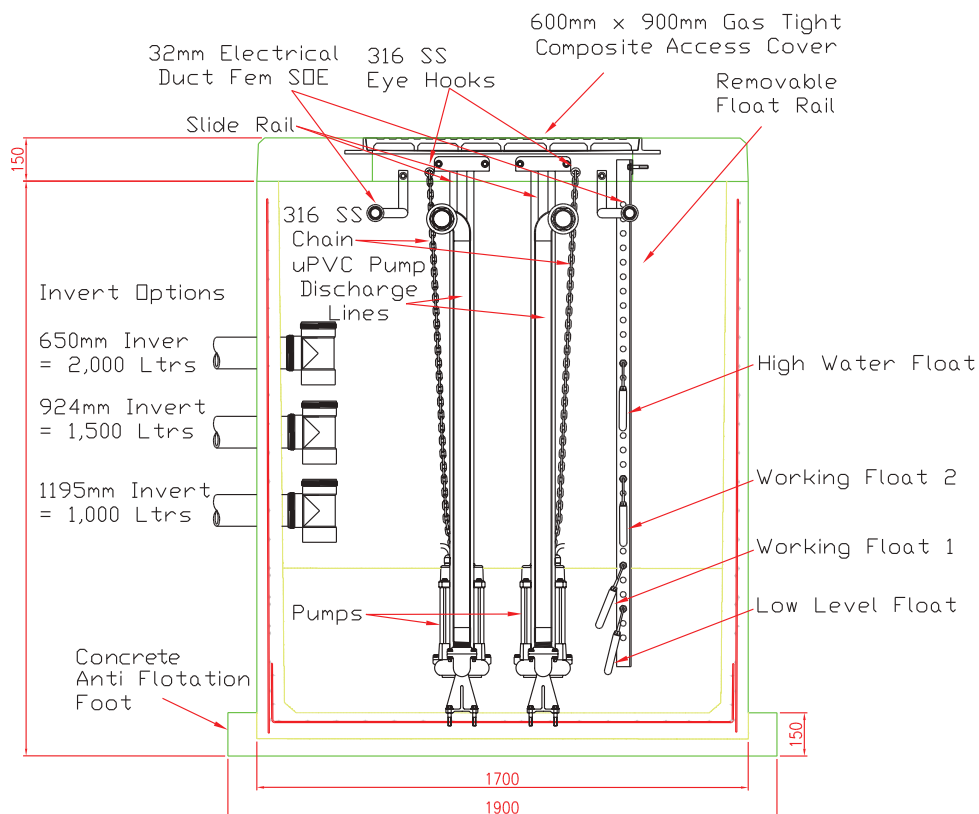
Operates the pump's on and off cycles.

It will turn pump 1 on first and on the next cycle turn pump 2 on. Following activations will alternate between pumps 1 and 2

Float Up is Pump On. Float Down is Pump Off

Low Level Float

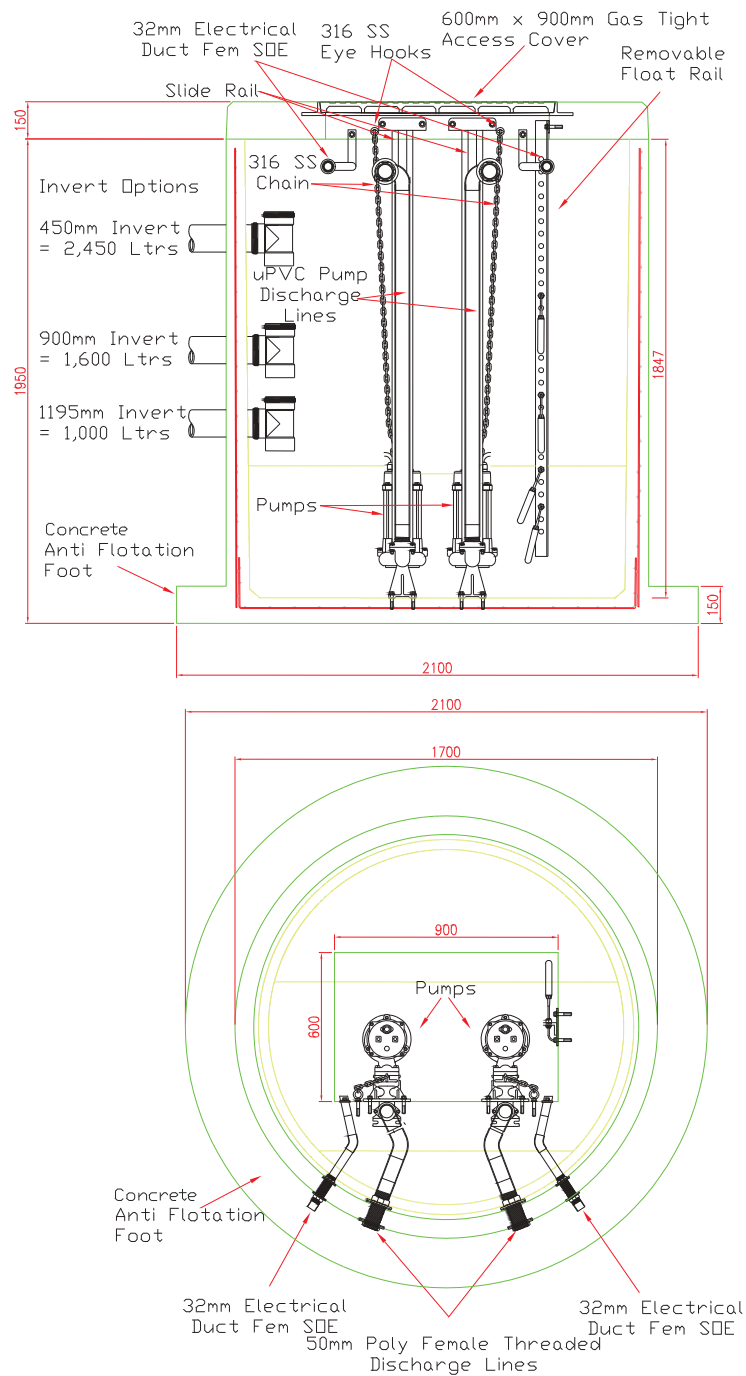
This float will turn pumps off so they do not run dry.



Extras

Battery Back-up Alarm - Earth Leakage - Fault Diagnostic - External Visual Alarm - Telemetry alarm can be fitted if required.

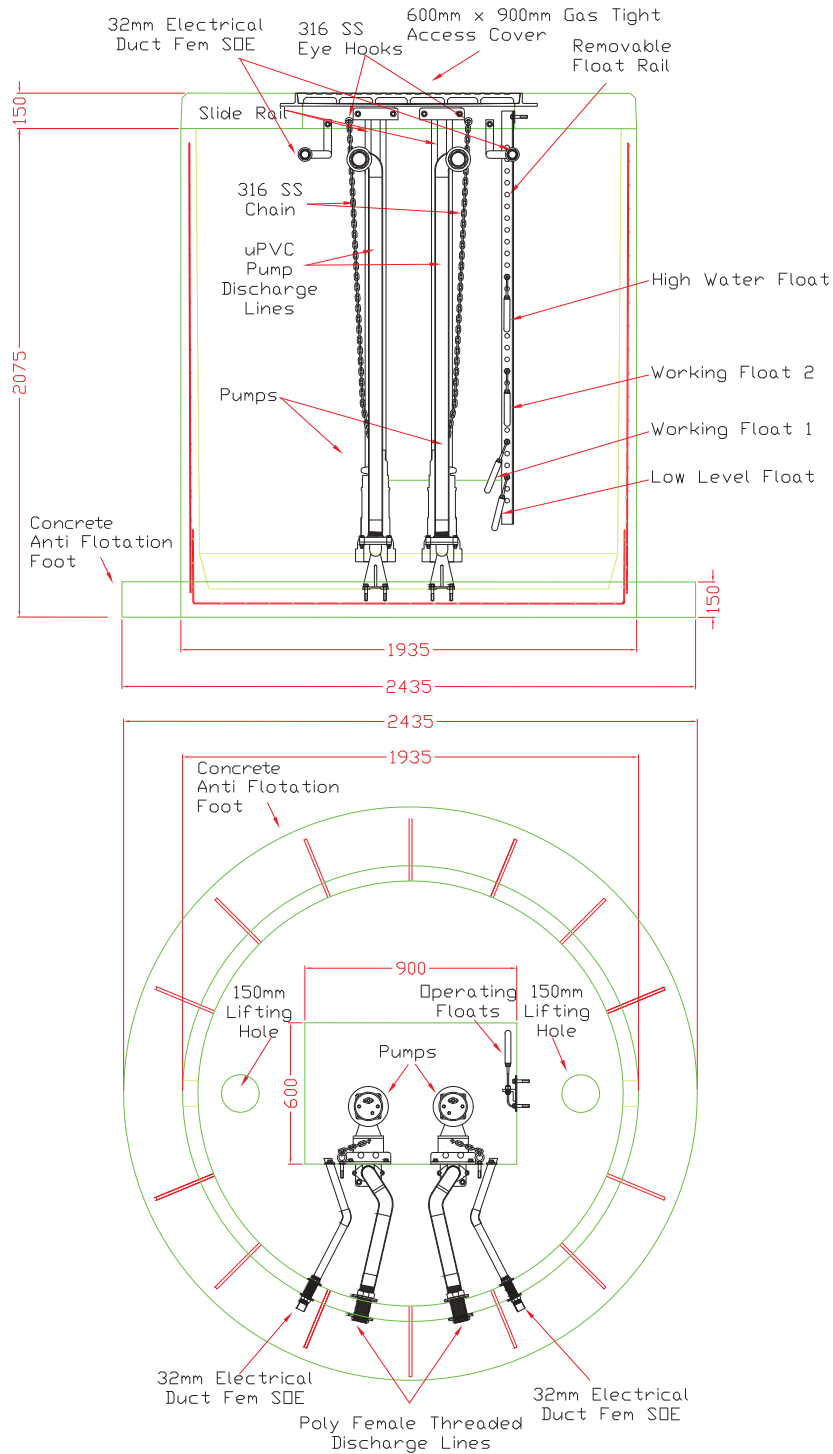
<p>1,000 1,500 2,000 Litre</p>	Material	32 MPa Steel Reinforced Precast Concrete
	Height	2,100mm
	Diameter	1,700mm
	Flange Diameter	2,100mm
	Invert Level	450mm, 900mm, 1,195mm
	Inlet Size	100mm
	Total Volume	3,300 Litres
Weight	4.5 Tonne	



**4,000
Litre**

Material
Height
Diameter
Invert Level
Inlet Size
Total Volume
Weight

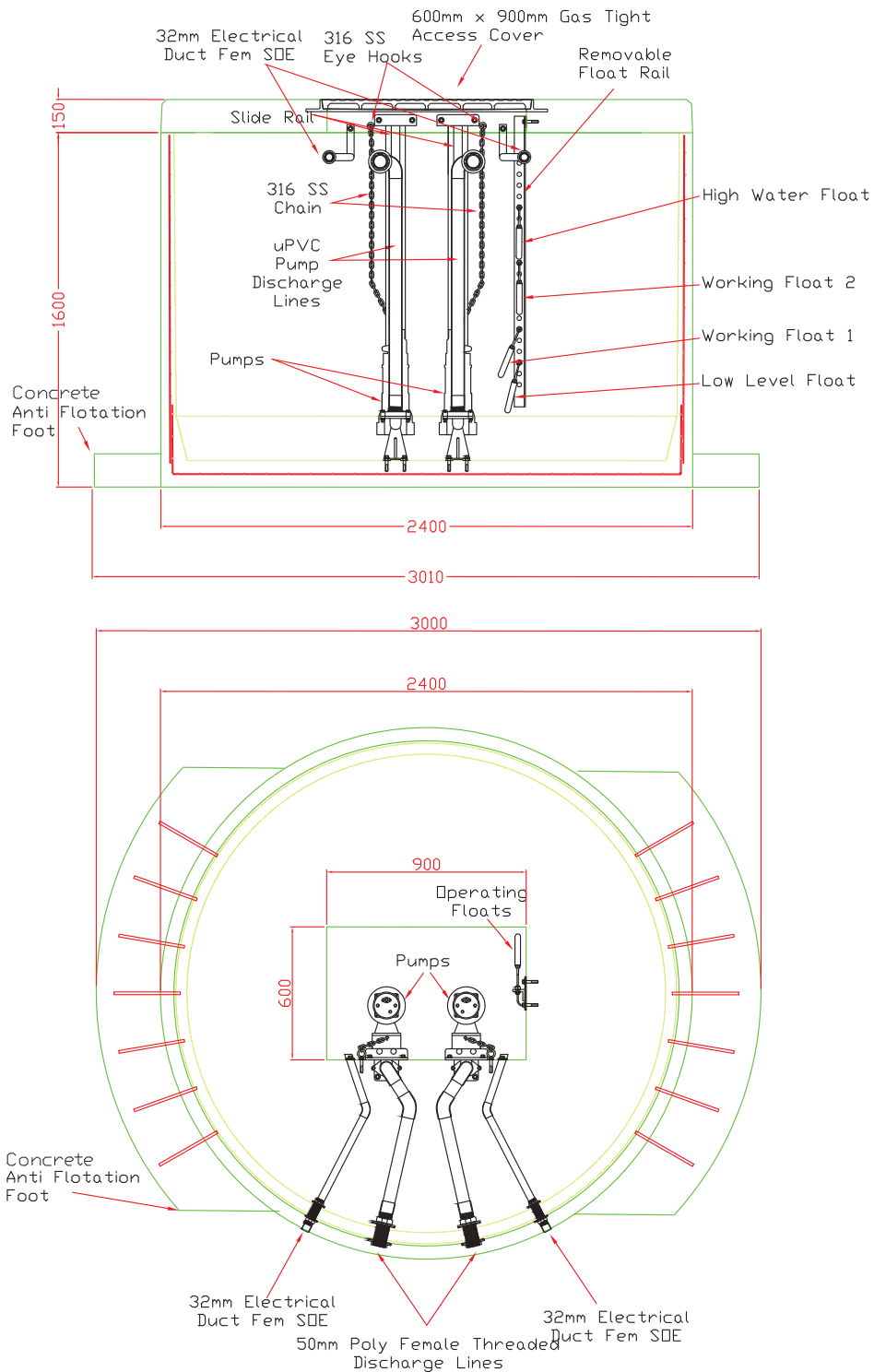
32 MPa Steel Reinforced Precast Concrete
2,225mm
1,935mm
to suit
to suit
4,435 Litres
5.5 Tonne



**5,000
Litre**

Material
Height
Diameter
Invert Level
Inlet Size
Total Volume
Weight

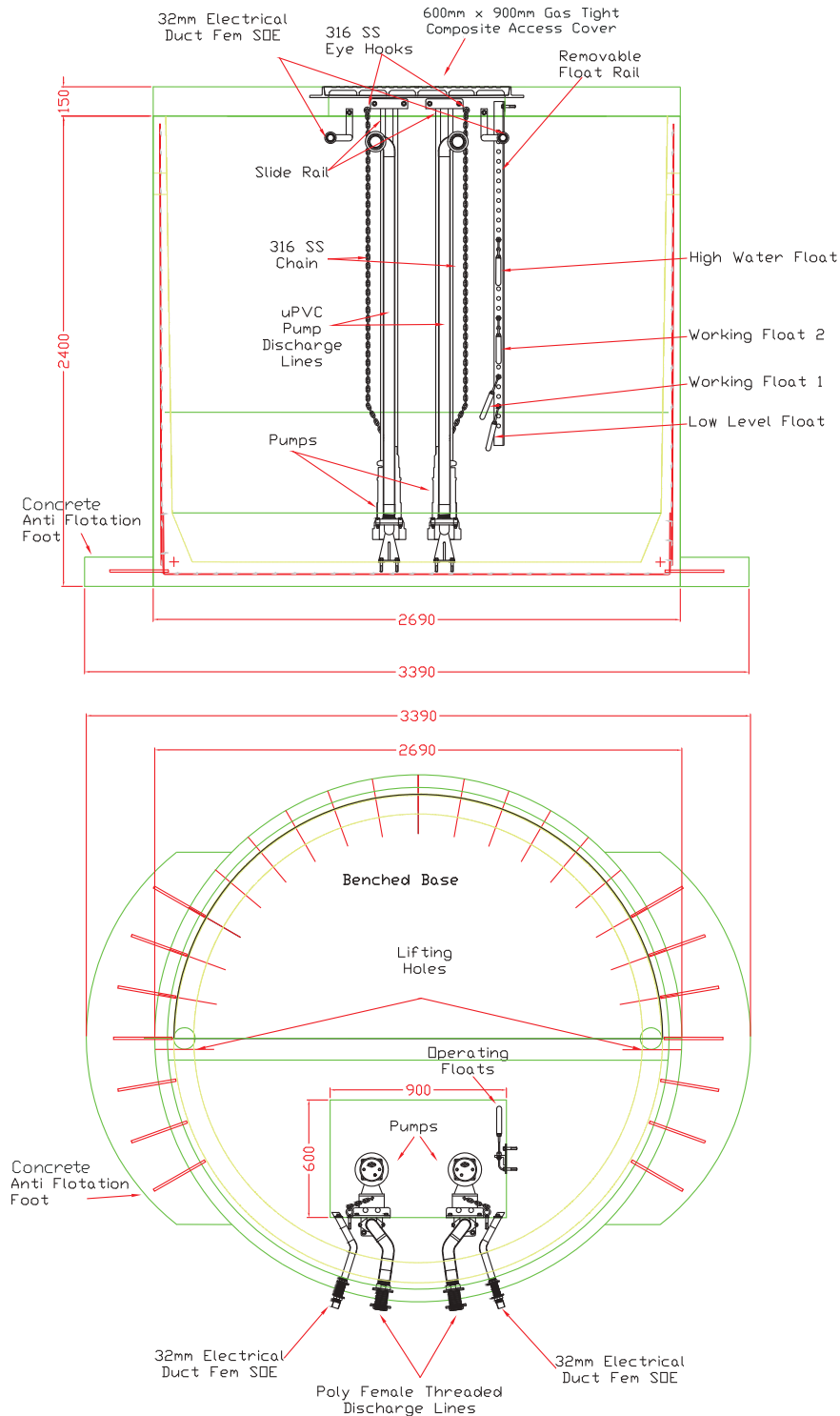
32 MPa Steel Reinforced Precast Concrete
1,750mm
2,400mm
to suit
to suit
5,985 Litres
5.8 Tonne



10,000
Litre
Squat

Material
Height
Diameter
Invert Level
Inlet Size
Total Volume
Weight

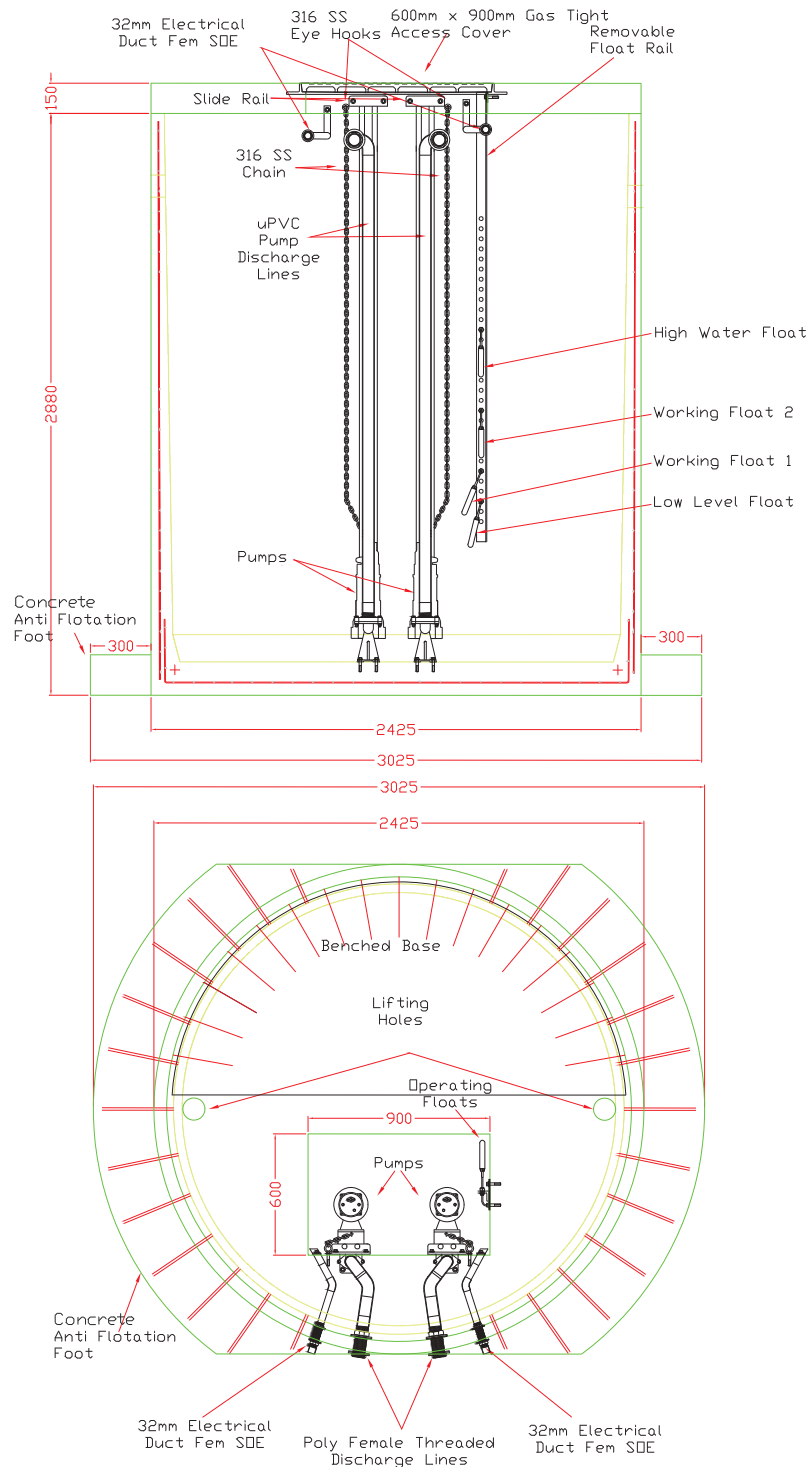
32 MPa Steel Reinforced Precast Concrete
2,550mm
2,750mm
to suit
to suit
11,000 Litres
8.2 Tonne



10,000
Litre
Tall

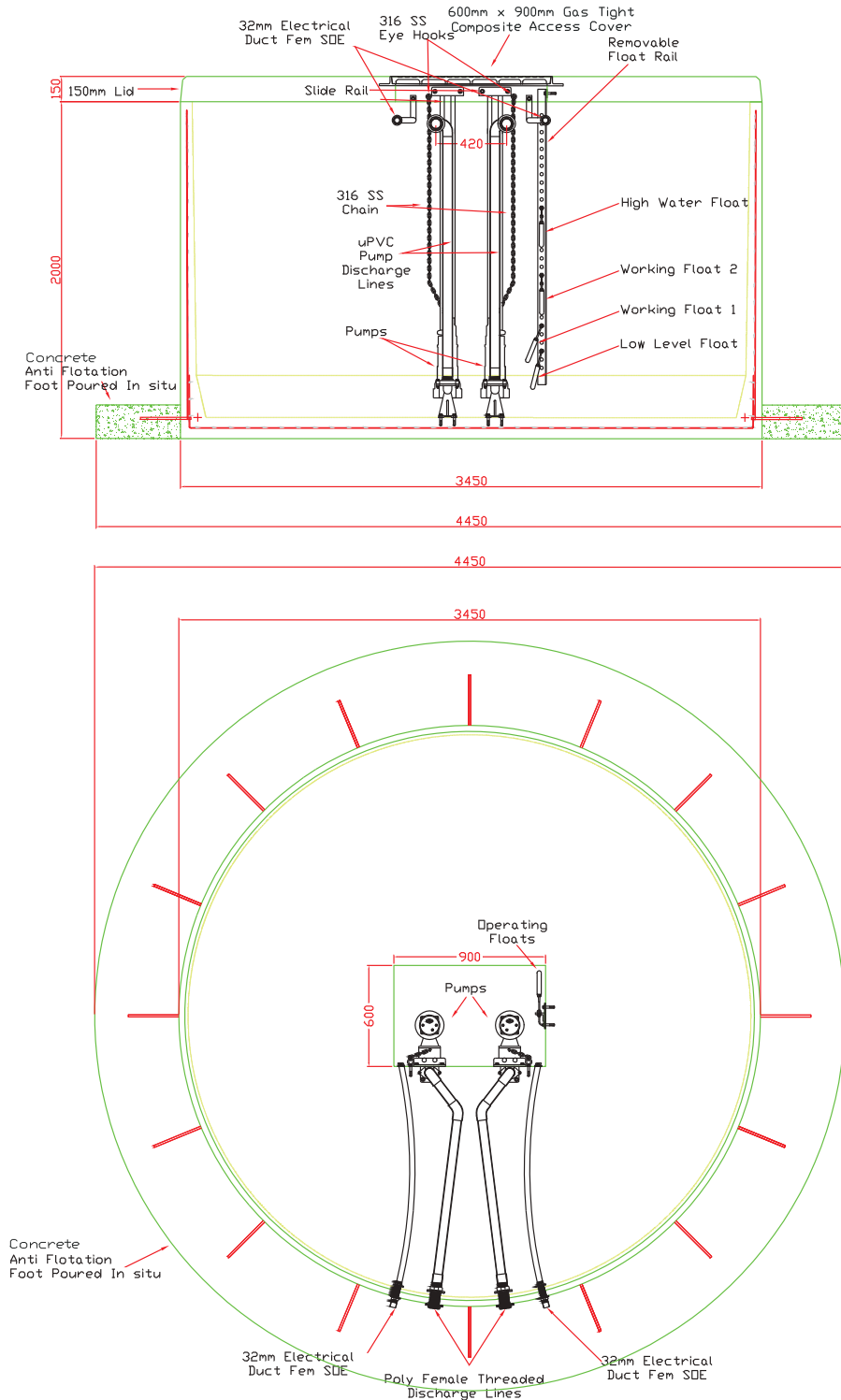
Material
Height
Diameter
Invert Level
Inlet Size
Total Volume
Weight

32 MPa Steel Reinforced Precast Concrete
3,040mm
2,400mm
to suit
to suit
10,850 Litres
8.0 Tonne



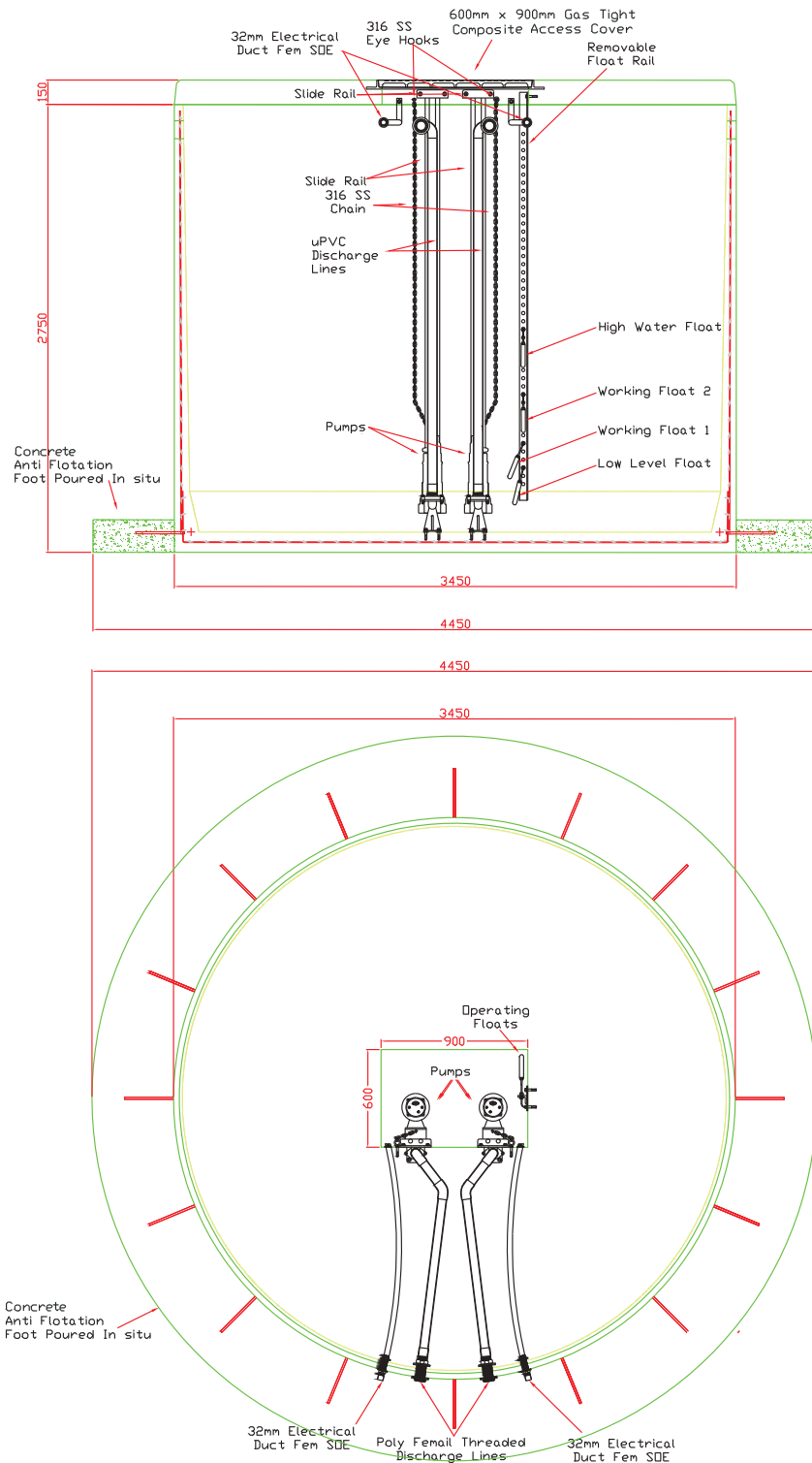
15,000
Litre

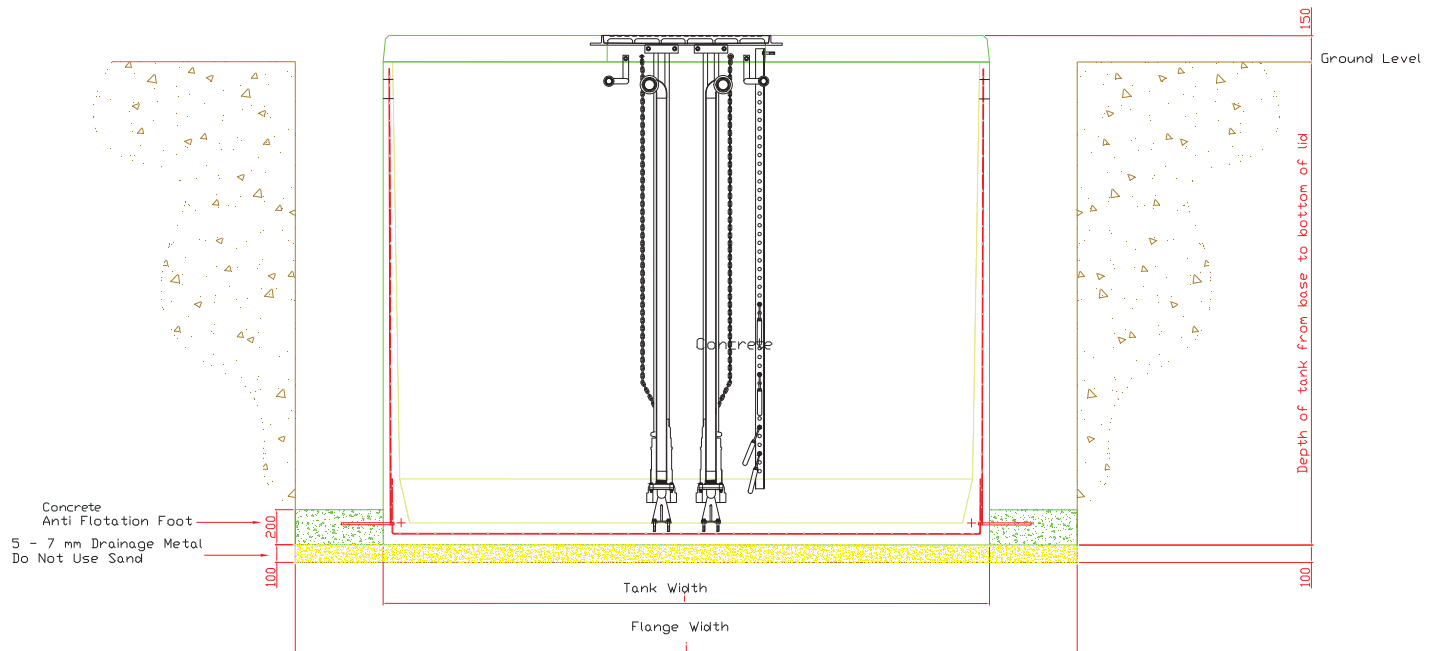
Material	32 MPa Steel Reinforced Precast Concrete
Height	2,150mm
Diameter	3,450mm
Invert Level	to suit
Inlet Size	to suit
Total Volume	15,880 Litres
Weight	9.5 Tonne



**22,000
Litre**

Material	32 MPa Steel Reinforced Precast Concrete
Height	2,900mm
Diameter	3,450mm
Invert Level	to suit
Inlet Size	to suit
Total Volume	22,440 Litres
Weight	10 Tonne





Hole Measurements

- 1,000 - 3,000 litre tank Dig hole 2,500mm Wide x 2,065mm Deep
- 4,000 litre tank Dig hole 2,835mm Wide x 2,175mm Deep
- 5,000 litre tank Dig hole 3,400mm Long x 2,800mm Wide x 1,700mm Deep
- 10,000 litre Squat tank Dig hole 3,910mm Long x 3,150mm Wide x 2,500mm Deep
- 10,000 litre Tall tank Dig hole 3,400mm Wide x 2,980mm Deep
- 15,000 litre tank Dig hole 4,450mm Wide x 2,100mm Deep
- 22,000 litre tank Dig hole 4,450mm Wide x 2,850mm Deep
- Cover base of hole with 100mm of 5-7 mm Drainage Gravel ensuring finished base is perfectly level.
- Do Not have rocks in the base area. This will void any warranty.
- Back fill with sand or soil **Not Rock**.
- Back fill flanged tanks as soon as installed to prevent floating.
- Fill 15,000 and 22,000 litre tanks with water up to 70% full to prevent the tank floating while the concrete flange sets.

To create the flange on 15,000 and 22,000 litre tanks

- 1) Before lowering the tank into the hole, fit the reo bars supplied using a Chemset (not supplied) to fix the reo bars into the predrilled holes in the base of the tank.
- 2) Once the tank is lowered into place, pour enough Ready Mix concrete around the base to form a flange.
- 3) This should be at least 250mm thick.
- 4) Once the concrete is dry back fill the hole with sand or soil.

Individual Conduits for Electrical and
Float Cables outlets from tank



Dual Threaded Outlets from Tank



Pipework, Rail Kit and
Floats installed



Internal Pipework



All stainless steel rails, bolts, lifting
chains and float assembly



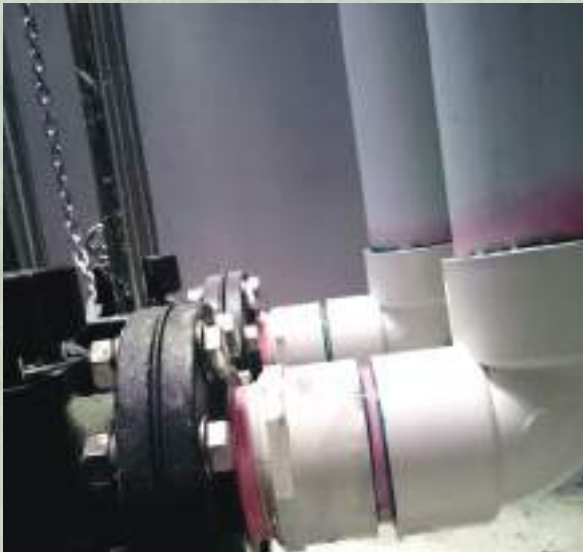
Adjustable Float Rail System



Floats



Concrete Anti-flotation Foot





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