

Hydraulic Services Feasibility Report

Glenhaven Gardens, Glenhaven Road, Glenhaven

Prepared upon the instructions of

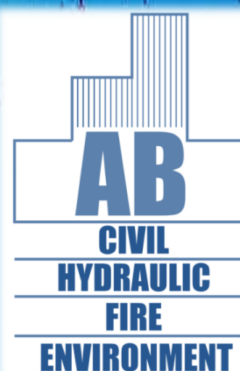
Mr. Barry Flack of NBRS+PARTNERS

ABEL & BROWN PTY. LTD.

SPECIALIST BUILDING SERVICES CONSULTANTS

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EDITORS OF THE **AUSTRALIAN PLUMBING COST GUIDE**

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Friday, 22 December 2017

NBRS+PARTNERS

Level 3, 4 Glen Street
Milsons Point NSW 2061

Attn: Mr. Barry Flack

RE: 146 Glenhaven Road, Glenhaven

This report outlines the preliminary issues for for the service of sewer drainage to the existing dwelling to be located at 146 Glenhaven Road.

1 1 INSTRUCTIONS

Instructing Party: Mr. Barry Flack of NBRS+Partners.

Abel & Brown have been instructed by Mr. Barry Flack of NBRS+Partners, to propose a method of sewer disposal to serve the existing dwelling at 146 Glenhaven Road, Glenhaven.

This report is wholly based upon information able to be gained from the review of the materials provided to me as set out below, plans of the proposed works and of available council and authority infrastructure documentation.

Comment is addressed to the following hydraulic services relevant to the proposed development as applicable.

✓ Sewer Drainage

2 Purpose of Report

The parcel of land that forms 146 Glenhaven Road is to be, as we understand it to be proposed to be subdivided for the construction of self care units and the amalgamation of that portion of the site with the adjacent Glenhaven Gardens property. The existing dwelling will be in the residual land left after the subdivision

The report has been requested to assess method of providing sewer disposal for the existing dwelling after the subdivision

3 Documentation

AB has been provided with the following documentation relevant to this feasibility study.

1. Architectural Site Plans

4 Annexures

The following documents are annexed to this report

- a) *Sewer Pump out System brochure*
- b) *Indicative location of pump rising main*

5 Information Not Presently in Hand That May Assist In Providing Further Information.

- Plans of existing sewer drainage serving the dwelling.

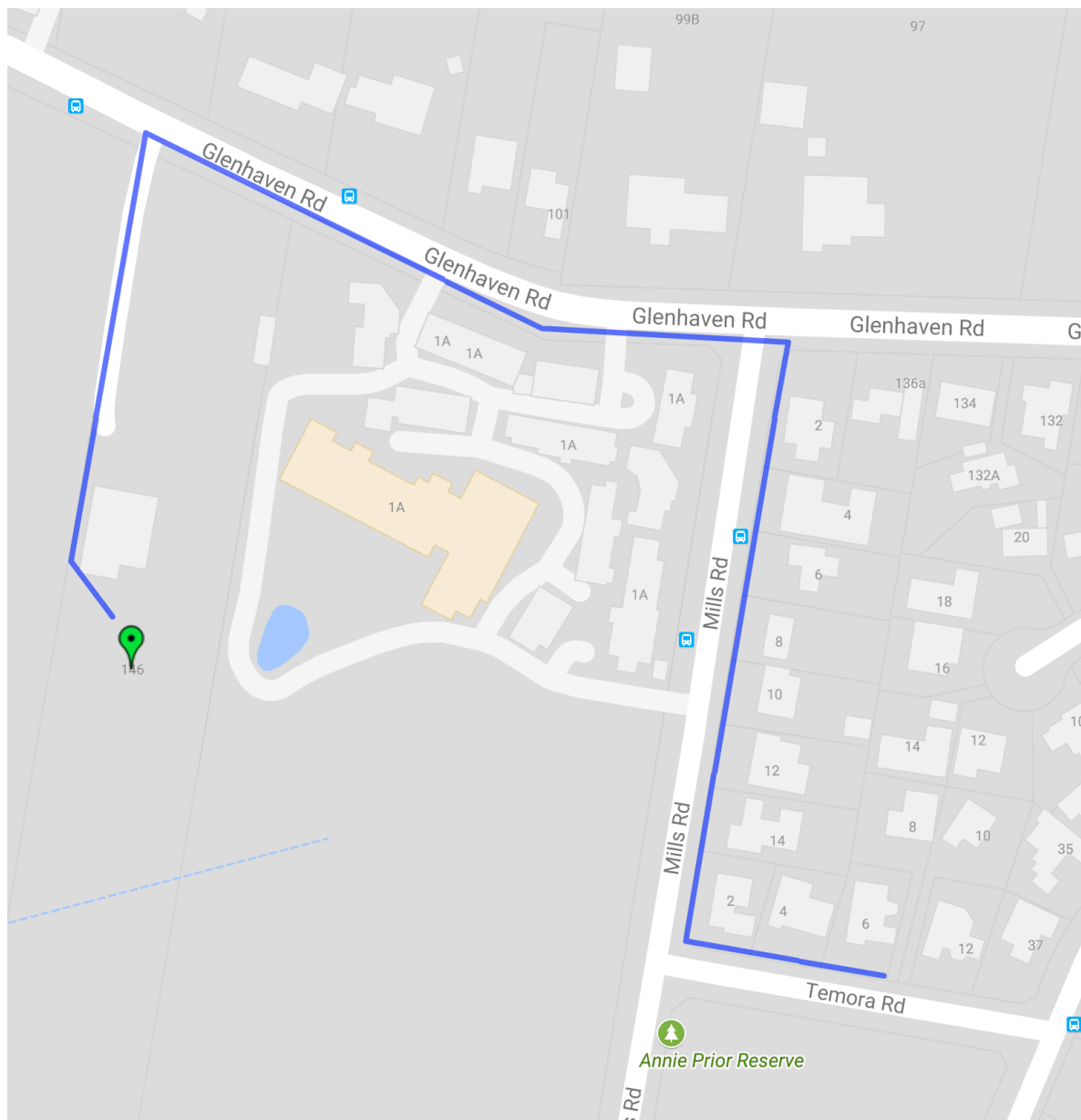
6 Anticipated Sewer Requirements

Based upon the Hills Shire Council Design Waste Water Flow Allowance requirements, the 7 bedroom dwelling will generate a daily flow of 2,100 litres. As part of the new DA application, Hills Shire Council has requested that the site is directly connected to the Sydney Water Sewerage System.

Based on our inquiries with Sydney Water, the closest point of connection to the Sydney Water sewerage system is located in Temora Road.

The existing septic tank in the rear of the property would be replaced with a new wet well of minimum 2100 litres capacity.

A stormwater rising main will need to be provided between the wet well and the connection point in Temora Ave. An indicative location of the rising main is shown below.



Approval of the pumped system will be required from Sydney Water via their Tap In service and the location of the rising main will require approval from Hills Shire Council.

Hydraulic Service Requirement		
Sewer Drainage	2 litres / second (pumped Discharge via dual pumps.)	2100 litre storage well

We trust this report meets your needs. Should you require further information with respect to this matter, please do not hesitate to contact myself directly.

Regards,



Stuart Brown
Abel & Brown Pty. Ltd.

7 Sewer Pump Out Wet Well Data Sheet

PACKAGED PUMP STATIONS



Kwikflo packaged pump stations are assembled at our Sydney manufacturing facility, with our extensive and comprehensive product range coupled with over 30 years' experience in packaged pump station manufacture we can produce an engineered solution to solve the most complex application.

10 **KPPS 100**

14 **KPPS 900**

18 **KPPS 3000**

22 **KPPS 10,000 - 50,000**

12 **KPPS 250**

16 **KPPS 1200**

20 **KPPS 5000**



TEMPORARY SITE AMENITIES



HOUSES WITHOUT FALL TO SEWER MAIN

PACKAGED PUMP STATIONS



With tank sizes ranging from 100L to 100,000L, in a range of materials including polyethylene, fibre glass & concrete we have a "complete packaged pump solution" to meet your site specific specifications. We stock a complete range of submersible pumps including dewatering, cutter, vortex, grinder & high pressure models for pressure sewer applications.

Available with a complete range of accessories that removes the complexity out of purchasing & installing a packaged pump station. Accessories include access cover options, guide rail or freestanding pump configurations, inlet and outlet tank connections, Electrical conduit connections, risers, dry valve pits, custom built control panels, lifting chains other specialized site specific requirements.

PACKAGED PUMP STATIONS

KPPS100



SPECIFICATION	
Model No.	KPPS100
Depth	700mm
Outer Dimensions	590mm x 590mm
Inner Diameter	410mm
Nominal Litres	100
Approximate Weight (Excluding pump)	15 kg
Access Cover	450mm x 450mm

CONSTRUCTION	
Polyethylene tank	
Inlet pipe to be installed by plumber	
All in-tank fittings incorporated in the packaged pump stations as follows:	
- PVC ball and non-return valves barrel unions. - PVC interconnecting paperwork.	

LIQUID HANDLED	
Raw sewage	Trade waste
Effluent	Stormwater

PUMP OPTIONS	CONFIGURATION
Single Pump	Freestanding

KPPS100 Pump Stations

PART NO.	CAPACITY	TYPE	PUMP MODEL	VOLTAGE	CONFIGURATION
742517	100 L	Sewage Cutter	DSK-10A	240	Single/Freestanding
740042	100 L	Vortex	BAV-550	240	Single/Freestanding
740060	100 L	Drainage	SSS037	240	Single/Freestanding

* Please see submersible pump section for technical specifications

Control Panel Options

PART NO.	MODEL NO.	DESCRIPTION	TYPE	BMS	VOLTAGE
260070	FPC-12650	Economy high level alarm	ALARM	N	240
260080	FPC-12651	Deluxe high level alarm	ALARM	Y	240

* Please see pump controller section for more details

Access Cover Options

Pump station is supplied standard with light duty polyethylene access cover

PART NO.	MODEL NO.	DESCRIPTION	CLASS	WEIGHT	CONFIGURATION
220096	HAC44LD	450x450 LD Cast Iron Solid Top	B	30	460 x 460
220108	HAC44HD	450x450 HD Cast Iron Solid Top	D	84	460 x 460
220120	HAC44LDG	450x450 LD Galvanised Grate	B	20	460 x 460

* Please see access cover section for more details

* For submersible pump specifications see submersible pump section page 42

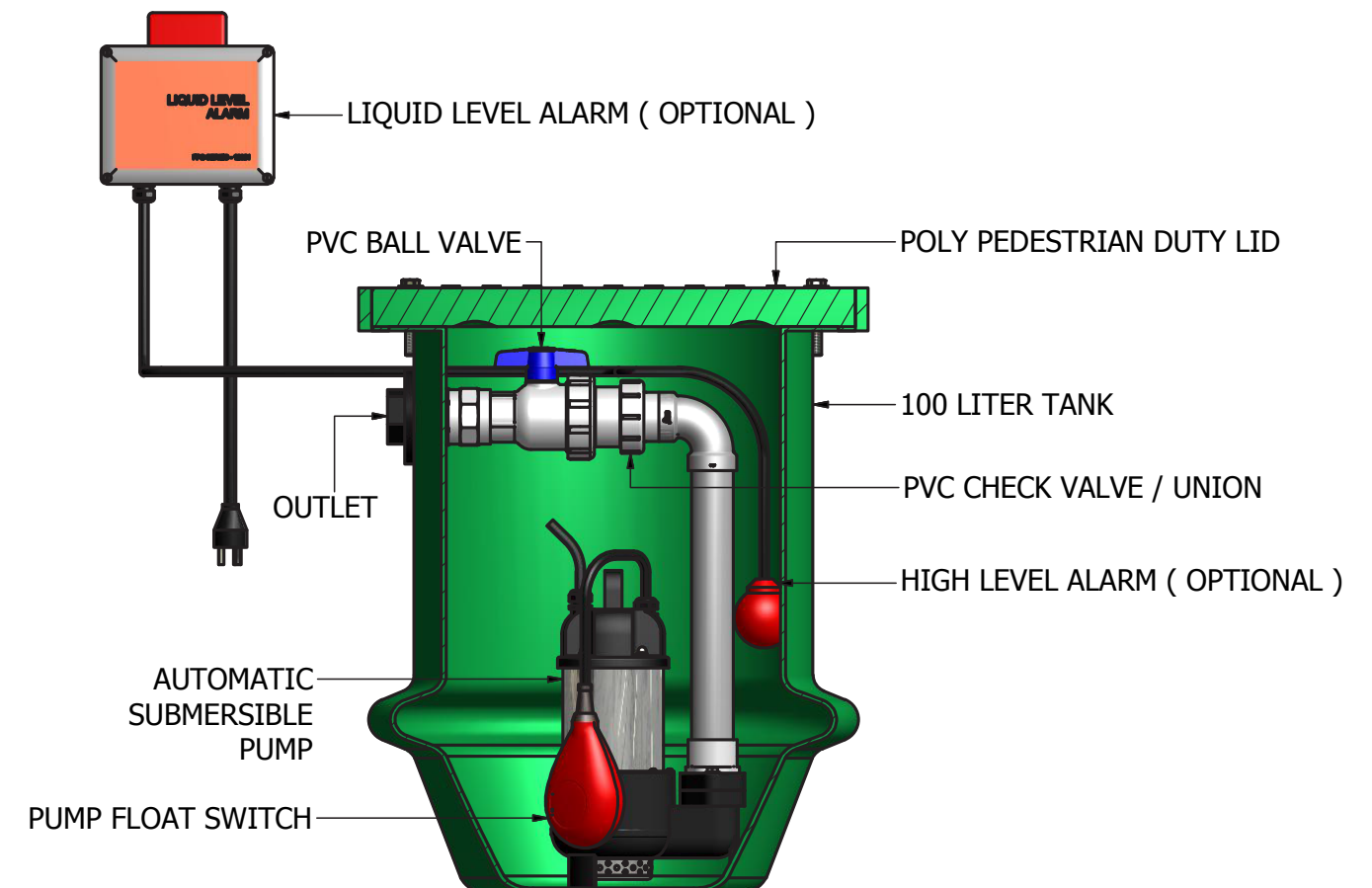
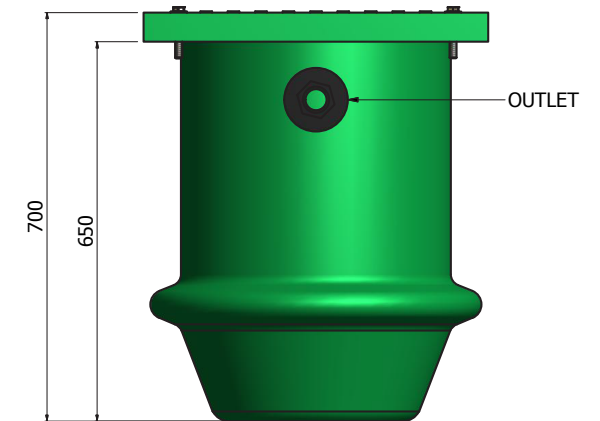
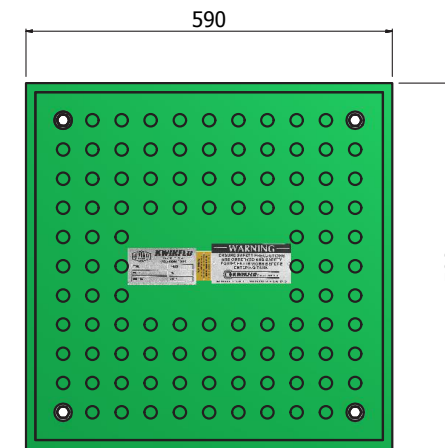
* For control panel options see pump controller section page 218

* For access cover options see access cover section page 282

Pump station is supplied standard with light duty polyethylene access cover

DIMENSIONS

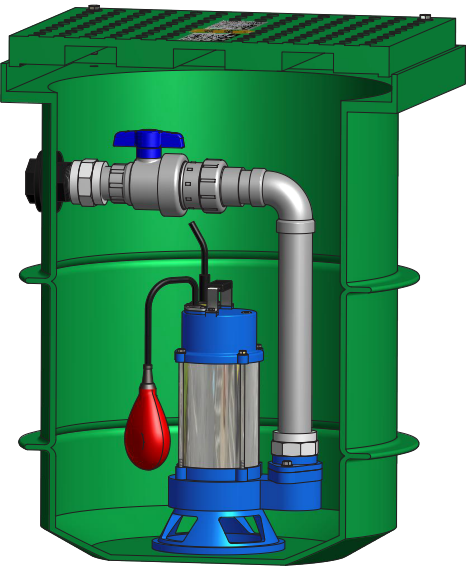
KPPS100



PACKAGED PUMP STATIONS

KPPS250

PACKAGED PUMP STATIONS



SPECIFICATION	
Model No.	KPPS250
Depth	900mm
Outer Diameter	730mm
Inner Diameter	650mm
Nominal Litres	250
Approximate Weight	25kg
Access Cover	600mm x 600mm

CONSTRUCTION	
Polyethylene tank	
Inlet pipe to be installed by plumber	
All in-tank fittings incorporated in the packaged pump stations as follows:	
- PVC ball and non-return valves barrel unions.	
- PVC interconnecting paperwork.	

LIQUID HANDLED	
Raw sewage	Trade waste
Effluent	Stormwater

PUMP OPTIONS	CONFIGURATION
Single Pump	Freestanding

KPPS250 Pump Stations

PART NO.	CAPACITY	TYPE	PUMP MODEL	VOLTAGE	CONFIGURATION
740090	250L	Drainage	KS-10A	240	Single/Freestanding
740132	250L	Sewage Cutter	DSK-10A	240	Single/Freestanding
740204	250L	Sewage Grinder	GGP1501A	240	Single/Freestanding
740234	250L	Vortex	50ADVS5.75	240	Single/Freestanding
740240	250L	Vortex	BAV-550SA	240	Single/Freestanding

* Please see submersible pump section for technical specifications

Control Panel Options

PART NO.	MODEL NO.	DESCRIPTION	VOLTAGE
260510	FPC-15000	Single Economy Panel	240
260550	FPC-15002-A	Single 240 Volt Panel 2.5 - 4 AMPS	240
260570	FPC-15002-B	Single 240 Volt Panel 4 - 6 AMPS	240
260580	FPC-15002-C	Single Pump 240 Volt Control Panel 7 - 10 AMPS	240
260600	FPC-15002-D	Single 240 Volt Panel 9 - 13 AMPS	240
260610	FPC-15002-E	Single 240 Volt Panel 12 - 18 AMPS	240

* Please see pump controller section for more details

Access Cover Options

Pump station is supplied standard with light duty polyethylene cover

PART NO.	MODEL NO.	TYPE	CLASS	WEIGHT	CLEAR OPENING
220168	HAC66LD	600 x 600 LD Cast Iron Solid Top	B	56	600 x 600
220180	HAC66HD	600 x 600 HD Cast Iron Solids Top	D	115	600 x 600
220192	HAC66LDG	600 x 600 Class B Galvanised Grate	B	50	600 x 600

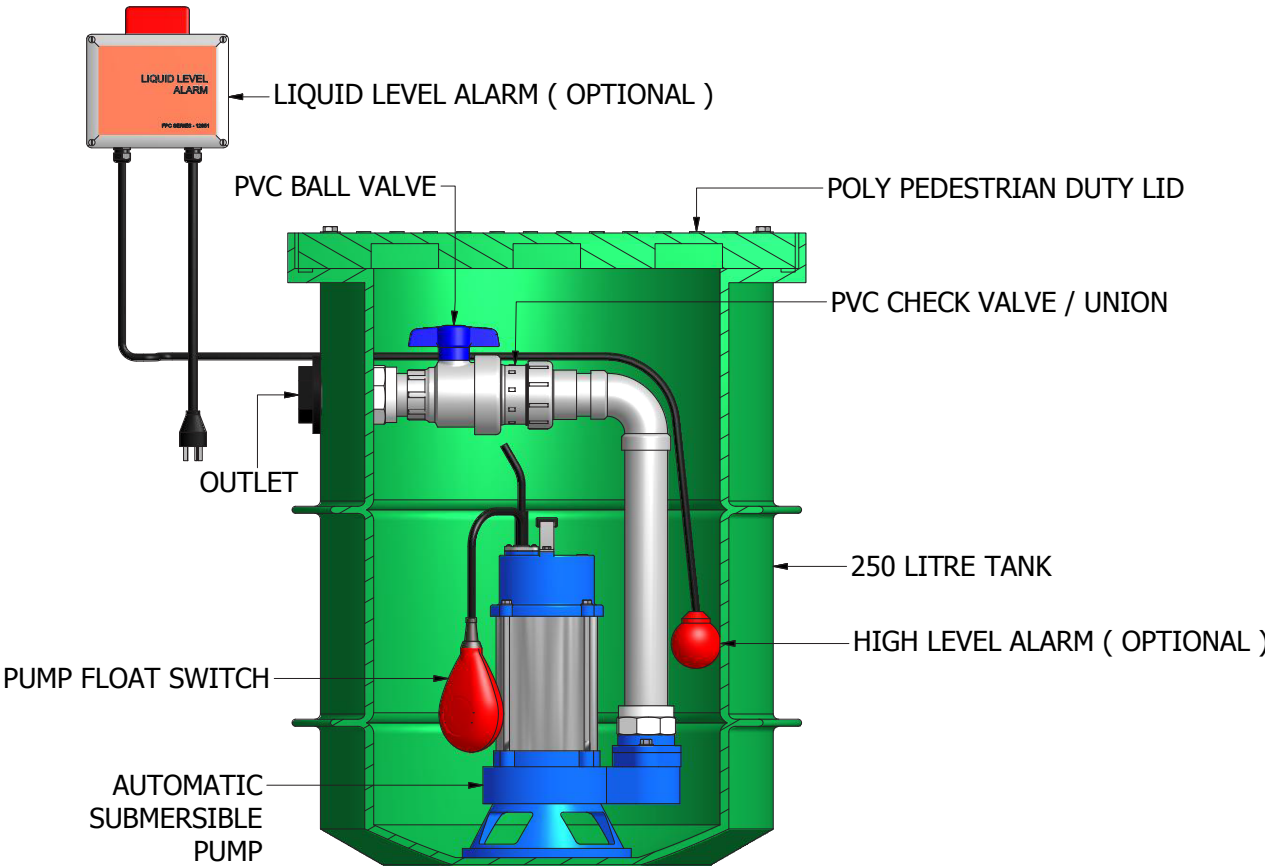
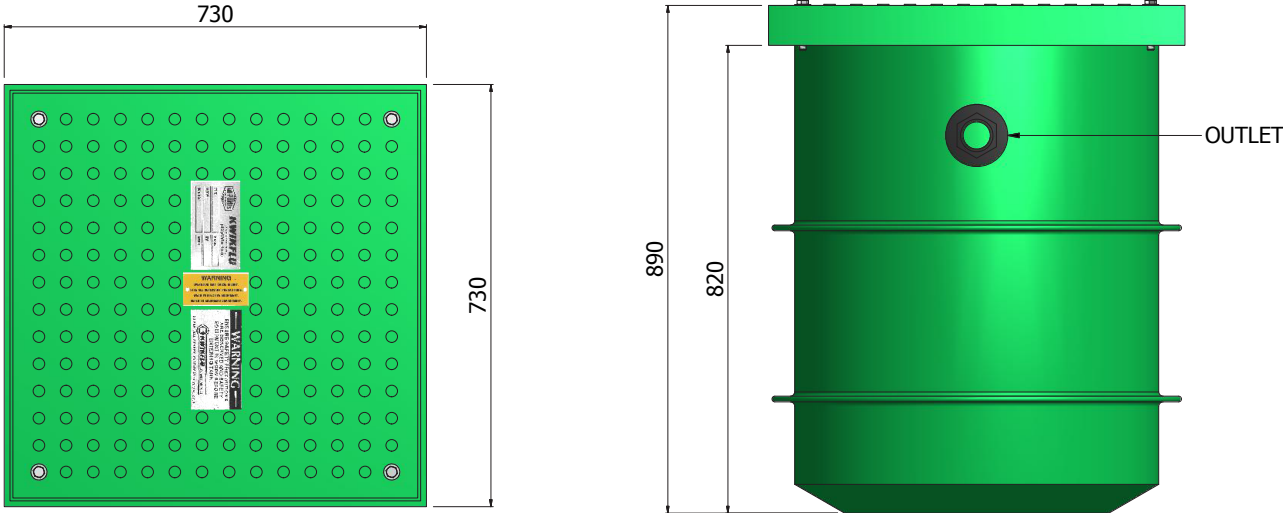
* Please see access cover section for more details

* For submersible pump specifications see submersible pump section page 42	* For control panel options see pump controller section page 218
* For access cover options see access cover section page 282	Pump station is supplied standard with light duty polyethylene access cover



DIMENSIONS

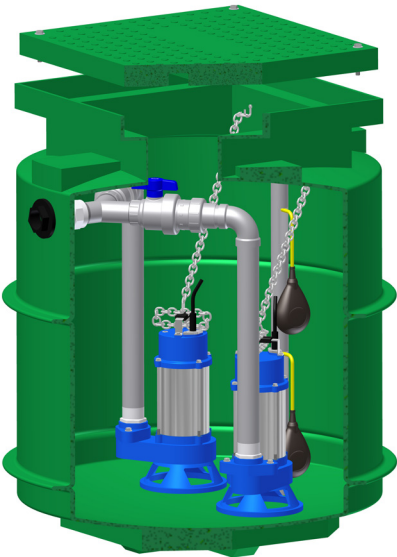
KPPS250



PACKAGED PUMP STATIONS

KPPS900

PACKAGED PUMP STATIONS



SPECIFICATION	
Model No.	KPPS900
Depth	1200mm
Outer Diameter	1120mm
Inner Diameter	1000mm
Nominal Litres	900
Approximate Weight (Excluding Pump/s)	45kg
Access Cover	600mm x 600mm

CONSTRUCTION
Polyethylene tank
Inlet pipe to be installed by plumber
All in-tank fittings incorporated in the packaged pump stations as follows:
- PVC ball and non-return valves barrel unions.
- PVC interconnecting paperwork.

LIQUID HANDLED	
Raw sewage	Trade waste
Effluent	Stormwater

PUMP OPTIONS	CONFIGURATION
Single or Dual	Freestanding or Guide Rail

PART NO.	CAPACITY	TYPE	PUMP MODEL	VOLTAGE	CONFIGURATION
740408	900	DRAINAGE	KS-05	240	Single/Freestanding
742703	900	DRAINAGE	KS-05	240	Dual/Freestanding
740414	900	DRAINAGE	KS-10	240	Single/Freestanding
740420	900	DRAINAGE	KS-10	240	Dual/Freestanding
742754	900	DRAINAGE	KS-20	240	Single/Freestanding
740426	900	DRAINAGE	KS-20	240	Dual/Freestanding
740480	900	SEWAGE CUTTER	DSK-10	240	Single/Freestanding
740468	900	SEWAGE CUTTER	DSK-10	240	Dual/Freestanding
740546	900	SEWAGE GRINDER	GGP1501A	240	Single/Freestanding
740570	900	SEWAGE GRINDER	GGP1501	240	Dual/Freestanding
740576	900	SEWAGE GRINDER	GGP1503	415	Dual/Freestanding
740588	900	SEWAGE GRINDER	HGP2021	240	Single/Freestanding
740594	900	SEWAGE GRINDER	HGP2021	240	Dual/Freestanding
740600	900	SEWAGE GRINDER	HGP2043	415	Dual/Freestanding
740612	900	VORTEX	50ADVS5.75	240	Dual/Freestanding
740618	900	VORTEX	50ADVS5.75	240	Single/Freestanding
742706	900	VORTEX	50ADVS5.75	415	Dual/Freestanding
740624	900	VORTEX	50ADVS51.5	415	Dual/Freestanding
740630	900	VORTEX	80ADVS52.2	415	Dual/Freestanding
740636	900	VORTEX	80ADVS52.2	415	Dual/Guide Rail
740642	900	VORTEX	BAV-550	240	Single/Freestanding
742679	900	SEWAGE GRINDER	GGP1501	240	Dual/Guide Rail
742682	900	SEWAGE GRINDER	GGP1503	415	Dual/Guide Rail
742685	900	SEWAGE GRINDER	HGP2021	240	Dual/Guide Rail
742688	900	SEWAGE GRINDER	HGP2043	415	Dual/Guide Rail
742691	900	VORTEX	50ADVS5.75	240	Dual/Guide Rail
742694	900	VORTEX	50ADVS5.75	415	Dual/Guide Rail

* For submersible pump specifications see submersible pump section page 42

* For access cover options see access cover section page 282

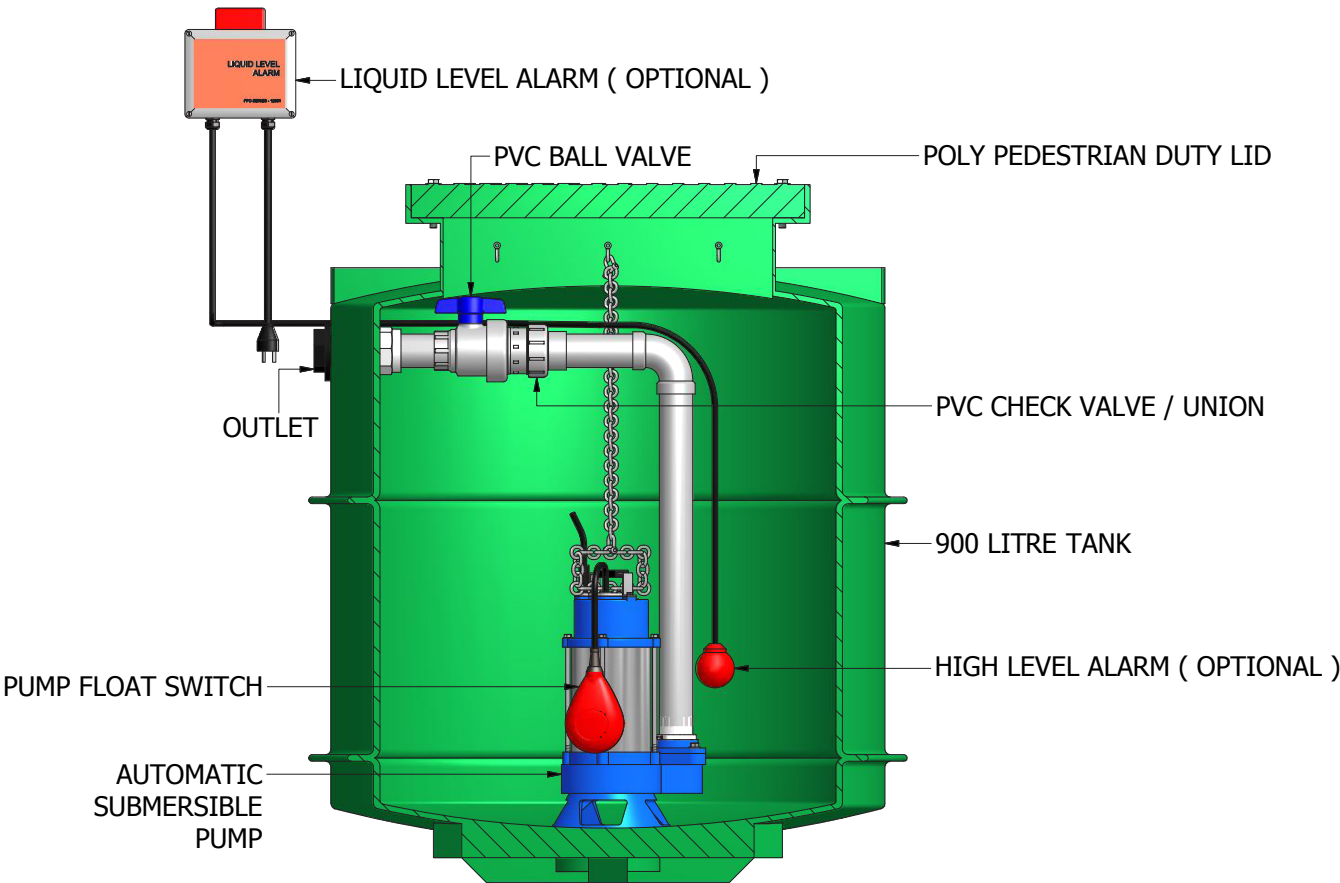
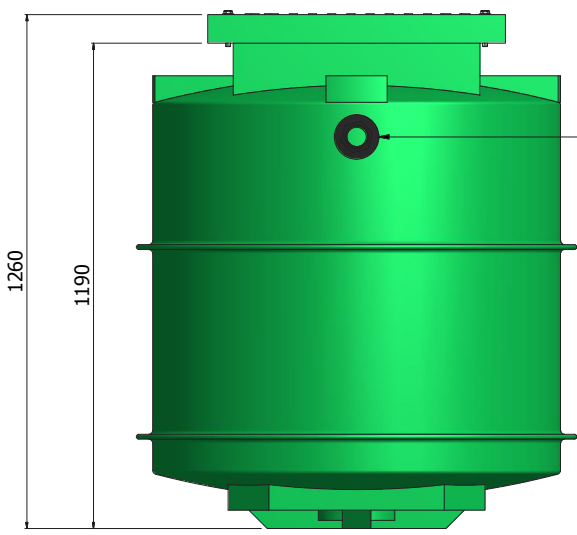
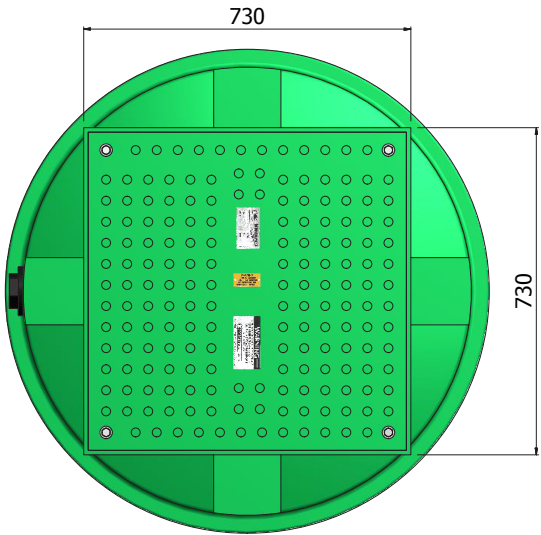
* For control panel options see pump controller section page 218

Pump station is supplied standard with light duty polyethylene access cover



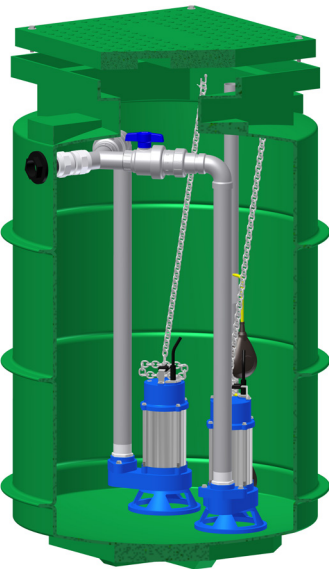
DIMENSIONS

KPPS900



PACKAGED PUMP STATIONS

KPPS1200



SPECIFICATION	
Model No.	KPPS1200
Depth	1600mm
Outer Diameter	1120mm
Inner Diameter	1000mm
Nominal Litres	1200
Approximate Weight	62kg
Access Cover	600mm x 600mm

CONSTRUCTION
Polyethylene tank
Inlet pipe to be installed by plumber
All in-tank fittings incorporated in the packaged pump stations as follows:
- PVC ball and non-return valves barrel unions.
- PVC interconnecting paperwork.

LIQUID HANDLED	
Raw sewage	Trade waste
Effluent	Stormwater

PUMP OPTIONS	CONFIGURATION
Single or Dual	Freestanding or Guide Rail

PART NO.	CAPACITY	TYPE	PUMP MODEL	VOLTAGE	CONFIGURATION
740918	1200	DRAINAGE	KS-05	240	Single/Freestanding
740930	1200	DRAINAGE	KS-05	240	Dual/Freestanding
740936	1200	DRAINAGE	KS-10	240	Single/Freestanding
740942	1200	DRAINAGE	KS-10	240	Dual/Freestanding
742757	1200	DRAINAGE	KS-20	240	Single/Freestanding
742760	1200	DRAINAGE	KS-20	240	Dual/Freestanding
740948	1200	DRAINAGE	KS-30	415	Dual/Freestanding
740954	1200	DRAINAGE	KS-50	415	Dual/Freestanding
740990	1200	SEWAGE CUTTER	DSK-10	240	Dual/Freestanding
741020	1200	SEWAGE CUTTER	DSK-10	240	Single/Freestanding
741104	1200	SEWAGE GRINDER	GGP1501A	240	Single/Freestanding
741140	1200	SEWAGE GRINDER	GGP1501	240	Dual/Freestanding
741158	1200	SEWAGE GRINDER	GGP1503	415	Dual/Freestanding
741182	1200	SEWAGE GRINDER	HGP2021	240	Single/Freestanding
741188	1200	SEWAGE GRINDER	HGP2021	240	Dual/Freestanding
741206	1200	SEWAGE GRINDER	HGP2043	415	Dual/Freestanding
741236	1200	VORTEX	50ADV5.75	240	Single/Freestanding
741248	1200	VORTEX	50ADV5.75	240	Dual/Freestanding
741260	1200	VORTEX	50ADV5.75	415	Dual/Freestanding
742697	1200	VORTEX	50ADV5.75	240	Dual/Guide Rail
742700	1200	VORTEX	50ADV5.75	415	Dual/Guide Rail
7427019	1200	VORTEX	50ADV51.5	415	Dual/Freestanding
742721	1200	VORTEX	80ADV52.2	415	Dual/Freestanding
742724	1200	VORTEX	80ADV52.2	415	Dual/Guide Rail
741266	1200	VORTEX	BAV-550	240	Single/Freestanding
741152	1200	SEWAGE GRINDER	GGP1501	240	Dual/Guide Rail
741170	1200	SEWAGE GRINDER	GGP1503	415	Dual/Guide Rail
741194	1200	SEWAGE GRINDER	HGP2021	240	Dual/Guide Rail
741218	1200	SEWAGE GRINDER	HGP2043	415	Dual/Guide Rail

* For submersible pump specifications see submersible pump section page 42

* For control panel options see pump controller section page 218

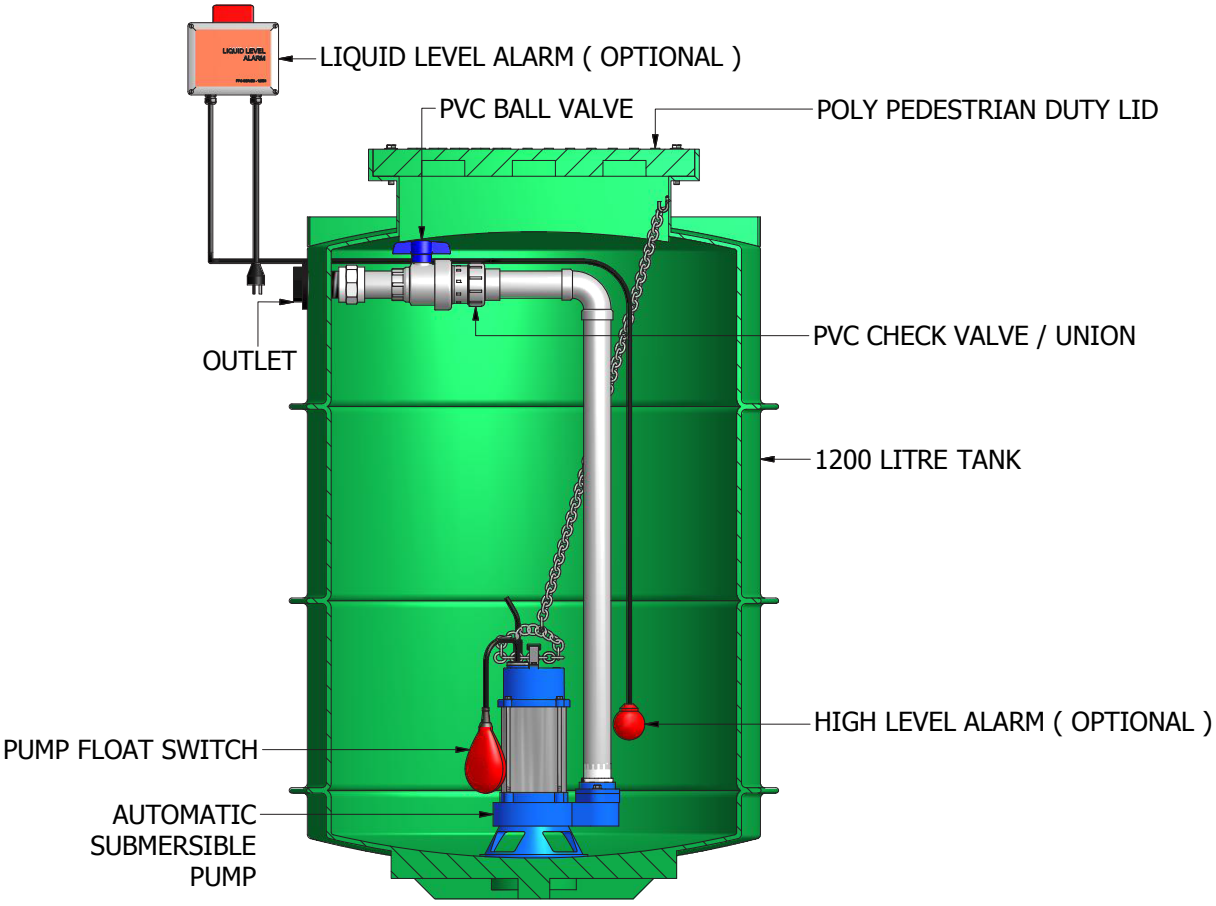
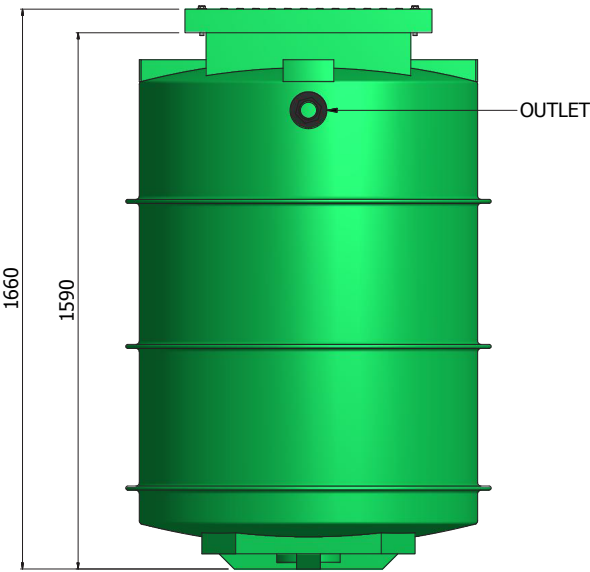
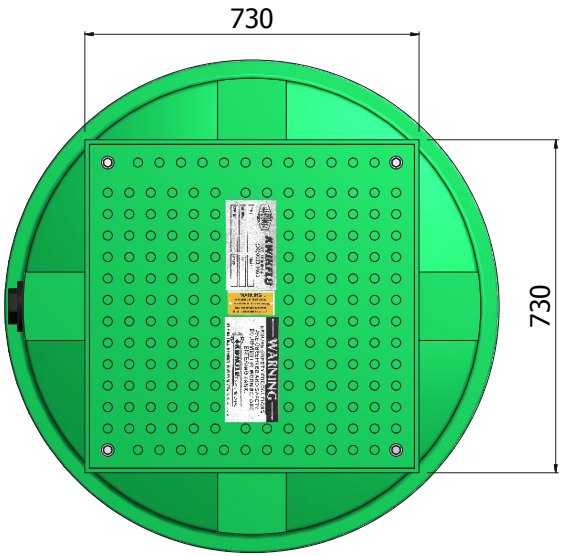
* For access cover options see access cover section page 282

Pump station is supplied standard with light duty polyethylene access cover



DIMENSIONS

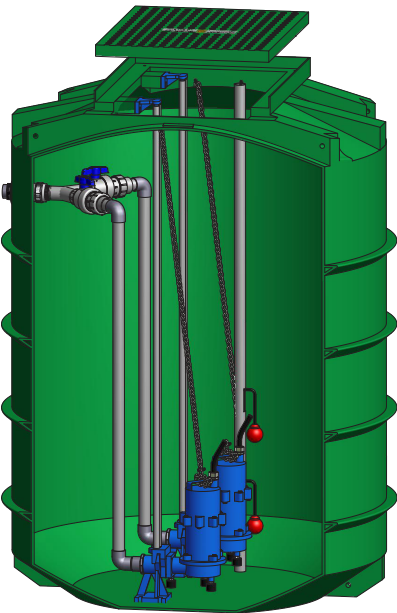
KPPS1200



PACKAGED PUMP STATIONS

KPPS3000

PACKAGED PUMP STATIONS



SPECIFICATION	
Model No.	KPPS3000
Depth	2125mm
Outer Diameter	1730mm
Inner Diameter	1600mm
Nominal Litres	3000mm
Approximate Weight (Excluding Pump/s)	165kg
Access Cover	600 x 900mm

CONSTRUCTION	
Polyethylene tank	
Inlet pipe to be installed by plumber	
All in-tank fittings incorporated in the packaged pump stations as follows:	
- PVC ball and non-return valves barrel unions.	
- PVC interconnecting paperwork.	

LIQUID HANDLED	
Raw sewage	Trade waste
Effluent	Stormwater

PUMP OPTIONS	CONFIGURATION
Single, Dual or Triplex	Freestanding or Guide Rail

PART NO.	CAPACITY	TYPE	PUMP MODEL	VOLTAGE	CONFIGURATION
741260	3000	DRAINAGE	KS-05	240	Single/Freestanding
741626	3000	DRAINAGE	KS-05	240	Dual/Freestanding
741632	3000	DRAINAGE	KS-10	240	Single/Freestanding
741638	3000	DRAINAGE	KS-10	240	Dual/Freestanding
741644	3000	DRAINAGE	KS-20	240	Dual/Freestanding
741650	3000	DRAINAGE	KS-20	240	Single/Freestanding
741656	3000	DRAINAGE	KS-50	415	Dual/Freestanding
742733	3000	DRAINAGE	KS-75	415	Dual/Freestanding
742736	3000	DRAINAGE	KS-100	415	Dual/Freestanding
741692	3000	SEWAGE CUTTER	DSK-10	240	Dual/Freestanding
741704	3000	SEWAGE CUTTER	DSK-10	240	Single/Freestanding
741776	3000	SEWAGE GRINDER	GGP1501A	240	Single/Freestanding
741800	3000	SEWAGE GRINDER	GGP1501	240	Dual/Freestanding
741818	3000	SEWAGE GRINDER	GGP1503	415	Dual/Freestanding
741812	3000	SEWAGE GRINDER	GGP1501	240	Dual/Guide Rail
741824	3000	SEWAGE GRINDER	GGP1503	415	Dual/Guide Rail
741854	3000	SEWAGE GRINDER	HGP2043	415	Dual/Freestanding
741848	3000	SEWAGE GRINDER	HGP2021	240	Dual/Freestanding
741842	3000	SEWAGE GRINDER	HGP2021	240	Dual/Guide Rail
741866	3000	SEWAGE GRINDER	HGP2043	415	Dual/Guide Rail
741878	3000	VORTEX	50ADV5.75	240	Single/Freestanding
741884	3000	VORTEX	50ADV5.75	240	Dual/Freestanding
742739	3000	VORTEX	50ADV5.75	240	Dual/Guide Rail
742742	3000	VORTEX	50ADV5.75	415	Dual/Guide Rail
742715	3000	VORTEX	50ADV51.5	415	Dual/Freestanding
742727	3000	VORTEX	80ADV52.2	415	Dual/Freestanding
742730	3000	VORTEX	80ADV52.2	415	Dual/Guide Rail
741890	3000	VORTEX	80AV53.7	415	Dual/Freestanding
741896	3000	VORTEX	80ADV53.7	415	Dual/Guide Rail

* For submersible pump specifications see submersible pump section page 42

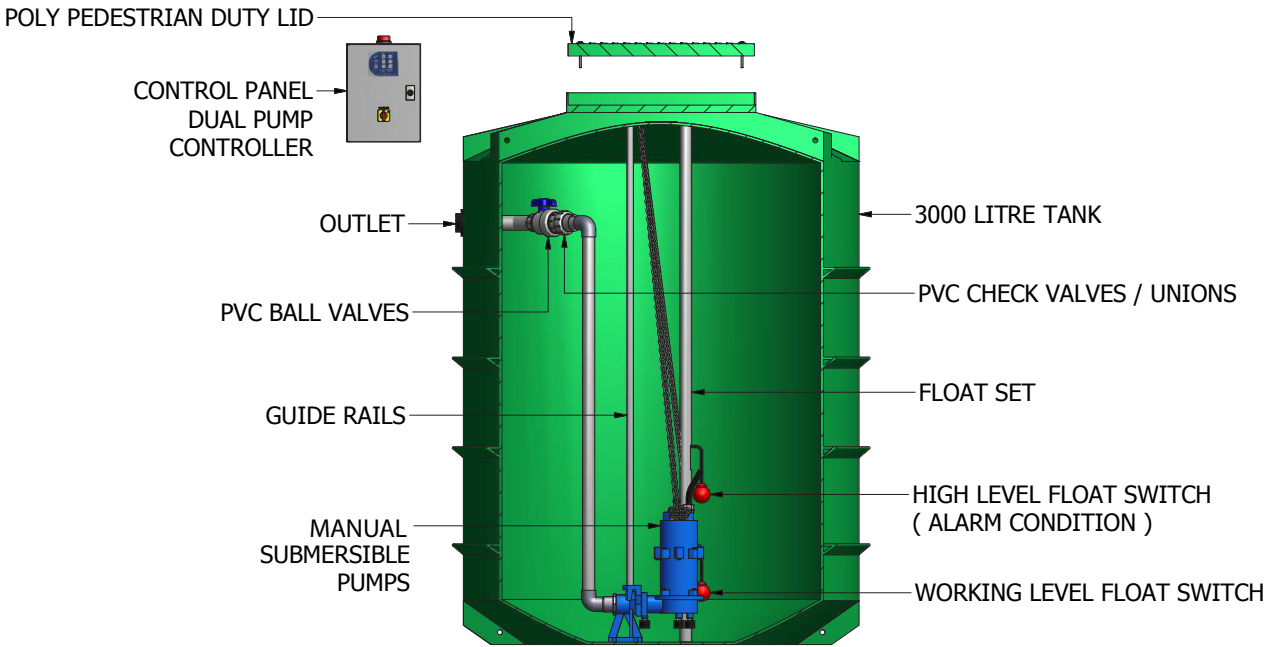
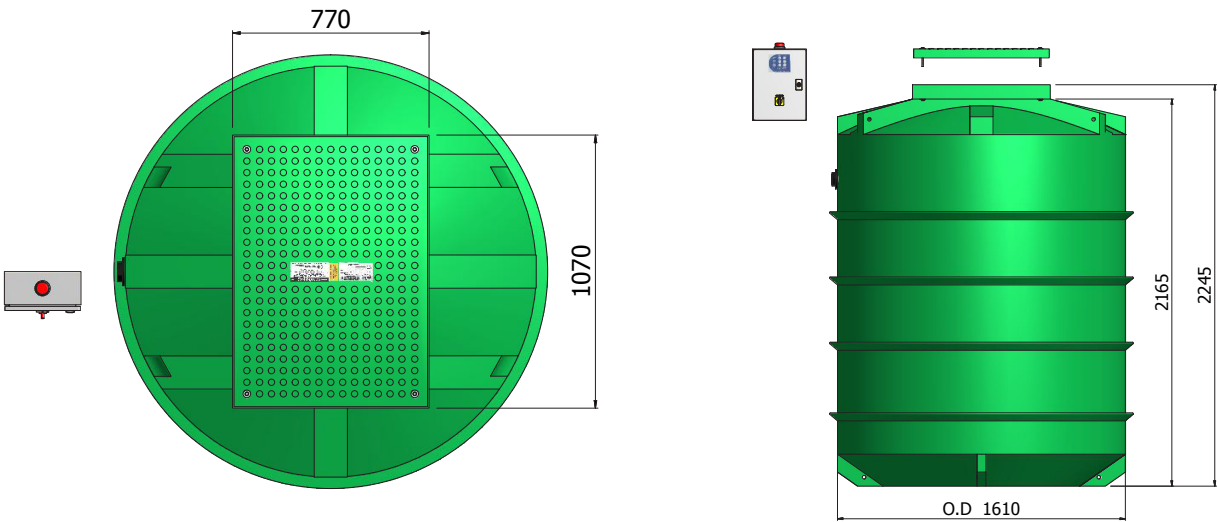
* For access cover options see access cover section page 282

* For control panel options see pump controller section page 218

Pump station is supplied standard with light duty polyethylene access cover

DIMENSIONS

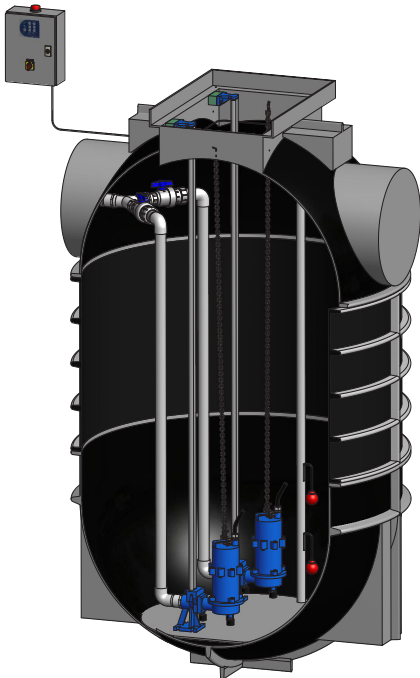
KPPS3000



PACKAGED PUMP STATIONS

KPPS5000

PACKAGED PUMP STATIONS



SPECIFICATION	
Model No.	KPPS5000
Depth	3300mm
Outer Diameter	1900mm
Inner Diameter	1800mm
Nominal Liters	5000
Approximate Weight	550kg
Access Cover	600 x 900mm

CONSTRUCTION
Polyethylene tank
Inlet pipe to be installed by plumber
All in-tank fittings incorporated in the packaged pump stations as follows:
- PVC ball and non-return valves barrel unions.
- PVC interconnecting paperwork.

LIQUID HANDLED	
Raw sewage	Trade waste
Effluent	Stormwater

PUMP OPTIONS	CONFIGURATION
Single, Dual or Triplex	Freestanding or Guide Rail

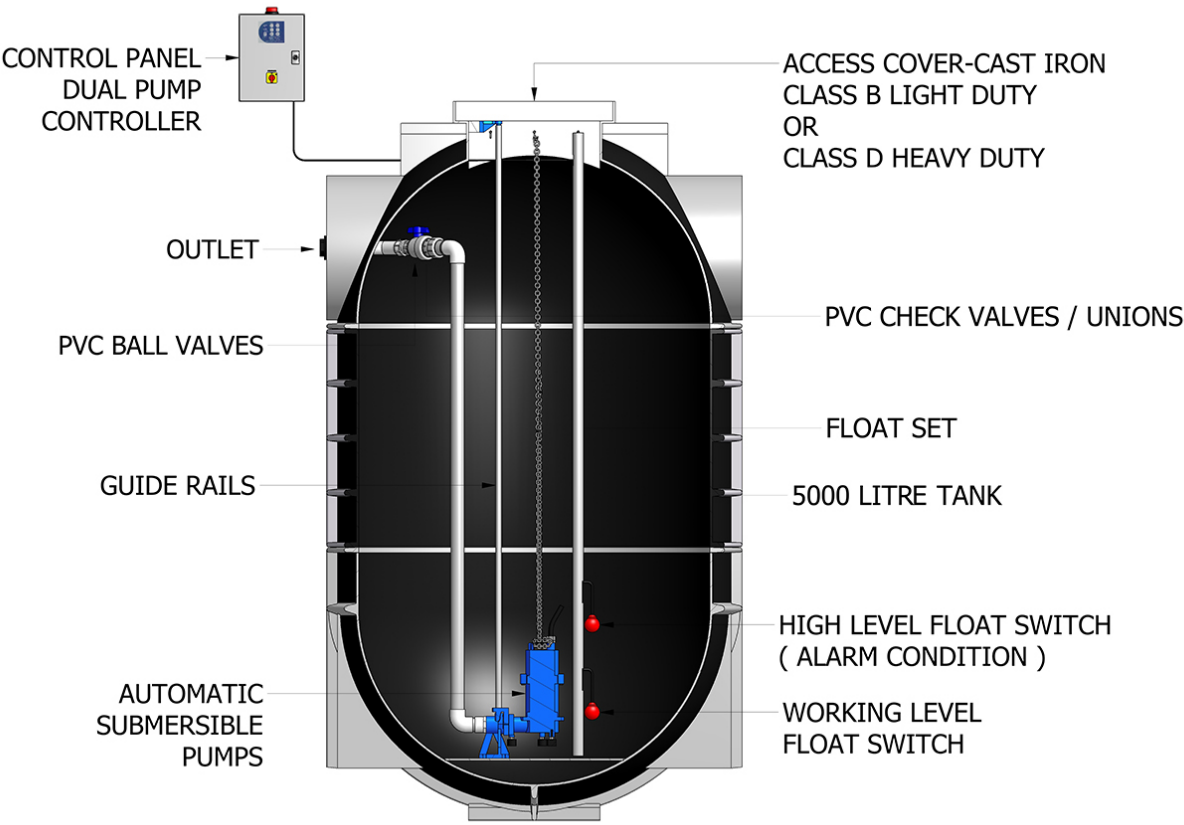
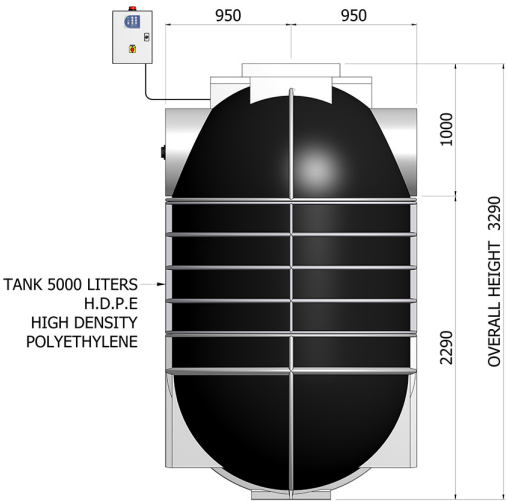
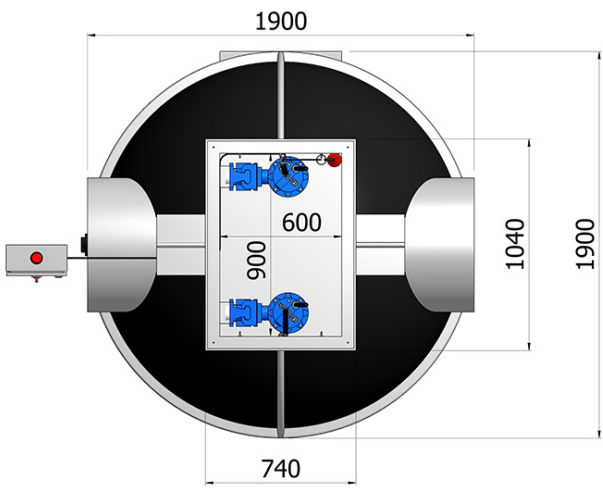
PART NO.	CAPACITY	TYPE	PUMP MODEL	VOLTAGE	CONFIGURATION
742793	5000	SEWAGE GRINDER	GGP1501A	240	single/freestanding
742304	5000	SEWAGE GRINDER	GGP1501	240	dual/freestanding
742796	5000	SEWAGE GRINDER	GGP1503	415	dual/freestanding
742802	5000	SEWAGE GRINDER	GGP1501	240	dual/guide rail
742805	5000	SEWAGE GRINDER	GGP1503	415	dual/guide rail
742790	5000	SEWAGE GRINDER	HGP2021	240	dual/freestanding
742808	5000	SEWAGE GRINDER	HGP2043	415	dual/freestanding
742811	5000	SEWAGE GRINDER	HGP2021	240	dual/guide rail
742310	5000	SEWAGE GRINDER	HGP2043	415	dual/guide rail
742292	5000	SEWAGE CUTTER	DSK-10	240	single/freestanding
742298	5000	SEWAGE CUTTER	DSK-10	240	dual/freestanding
742763	5000	DRAINAGE	KS-05	240	single/freestanding
742766	5000	DRAINAGE	KS-05	240	dual/freestanding
742769	5000	DRAINAGE	KS-10	240	single/freestanding
742280	5000	DRAINAGE	KS-10	240	dual/freestanding
742775	5000	DRAINAGE	KS-20	240	single/freestanding
742772	5000	DRAINAGE	KS-20	240	dual/freestanding
742778	5000	DRAINAGE	KS-50	415	dual/freestanding
742286	5000	DRAINAGE	KS-75	415	dual/freestanding
742781	5000	DRAINAGE	KS-100	415	dual/freestanding
742814	5000	VORTEX	50ADVS5.75	240	single/freestanding
742820	5000	VORTEX	50ADVS5.75	240	dual/freestanding
742823	5000	VORTEX	50ADVS5.75	240	dual/guide rail
742829	5000	VORTEX	50ADVS5.75	415	dual/guide rail
742832	5000	VORTEX	50ADVS51.5	415	dual/freestanding
742835	5000	VORTEX	80ADVS52.2	415	dual/freestanding
742838	5000	VORTEX	80ADVS52.2	415	dual/guide rail
742841	5000	VORTEX	80ADVS53.7	415	dual/freestanding
742844	5000	VORTEX	80ADVS53.7	415	dual/guide rail

* For submersible pump specifications see submersible pump section page 42 * For control panel options see pump controller section page 218
* For access cover options see access cover section page 282



DIMENSIONS

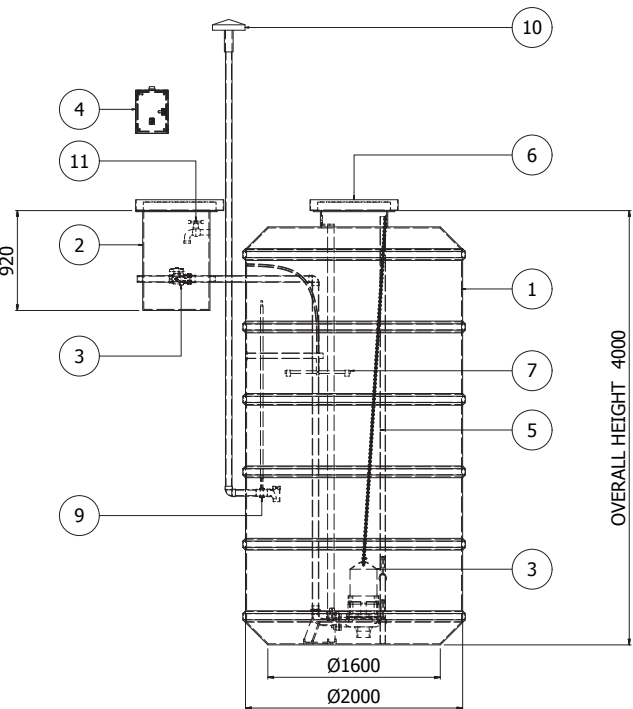
KPPS 5000



PACKAGED PUMP STATIONS

KPPS 10,000 / 20,000 / 30,000 / 50,000

Vertical pump station with dual guide rail mounted pumps



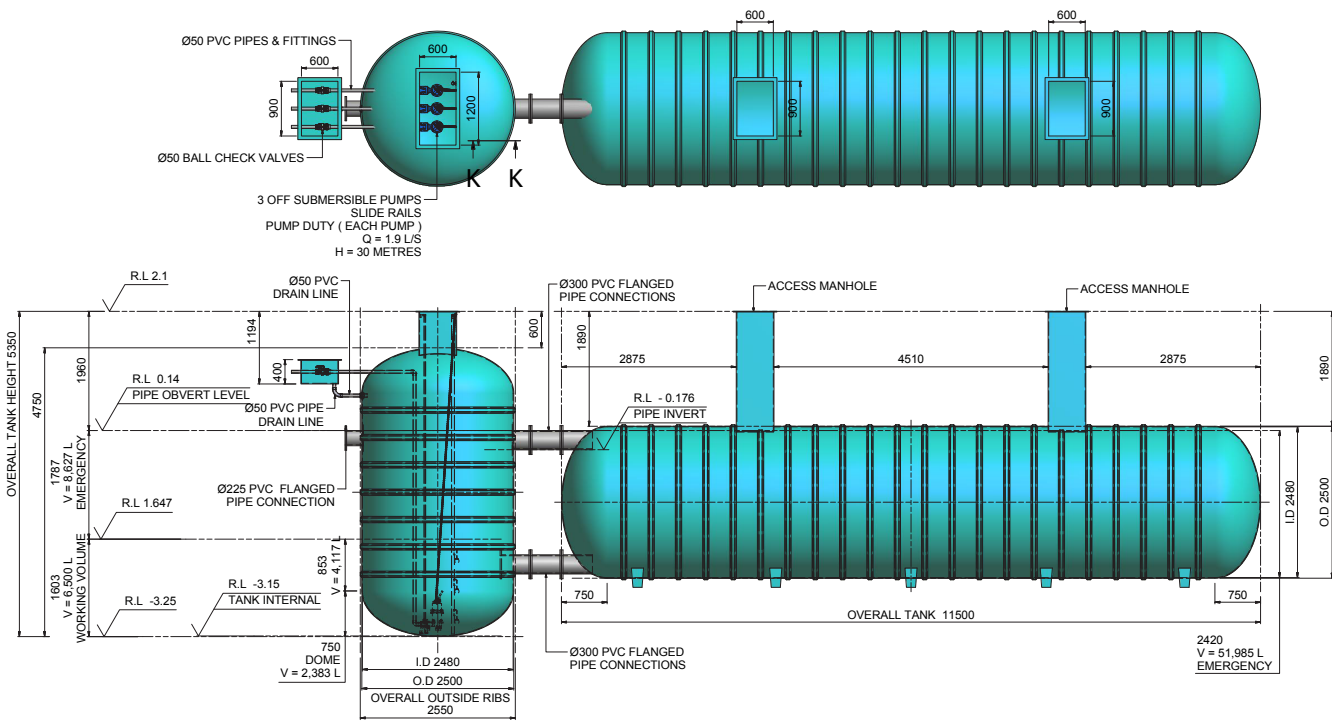
SPECIFICATION	
1	1 Off - Tank - Fibreglass - 10,000L Working Capacity
2	1 Off - Valve Chamber - Fibreglass
3	2 Off - ABS Piranha Submersible Pumps, Model PIR-S17/2, 1.7 kW, C/W Duckfoot Bend, Slide Rails, Chains, Mounting Hooks & Brackets
4	1 Off - Control panel - Dual pump controller IP55 Rated - Sheetmetal power coated
5	1 Off float set - Working level & high level float switches
6	2 Off - Gatic Covers - Class G Valve chamber - 900 x 600 - c/w frame Tank - 900 x 900 - c/w frame
7	1 Off - Auto well washer c/w support arm & flexible piping
8	2 Off - Ø50 Bronze ball swing check valve c/w pvc pipe & fittings
9	1 Off - Ø100 Bronze knife gate valve c/w PVC pipe & fittings
10	1 Off - Ø100 Vent c/w PVC pipe & fittings
11	1 Off Brass tap



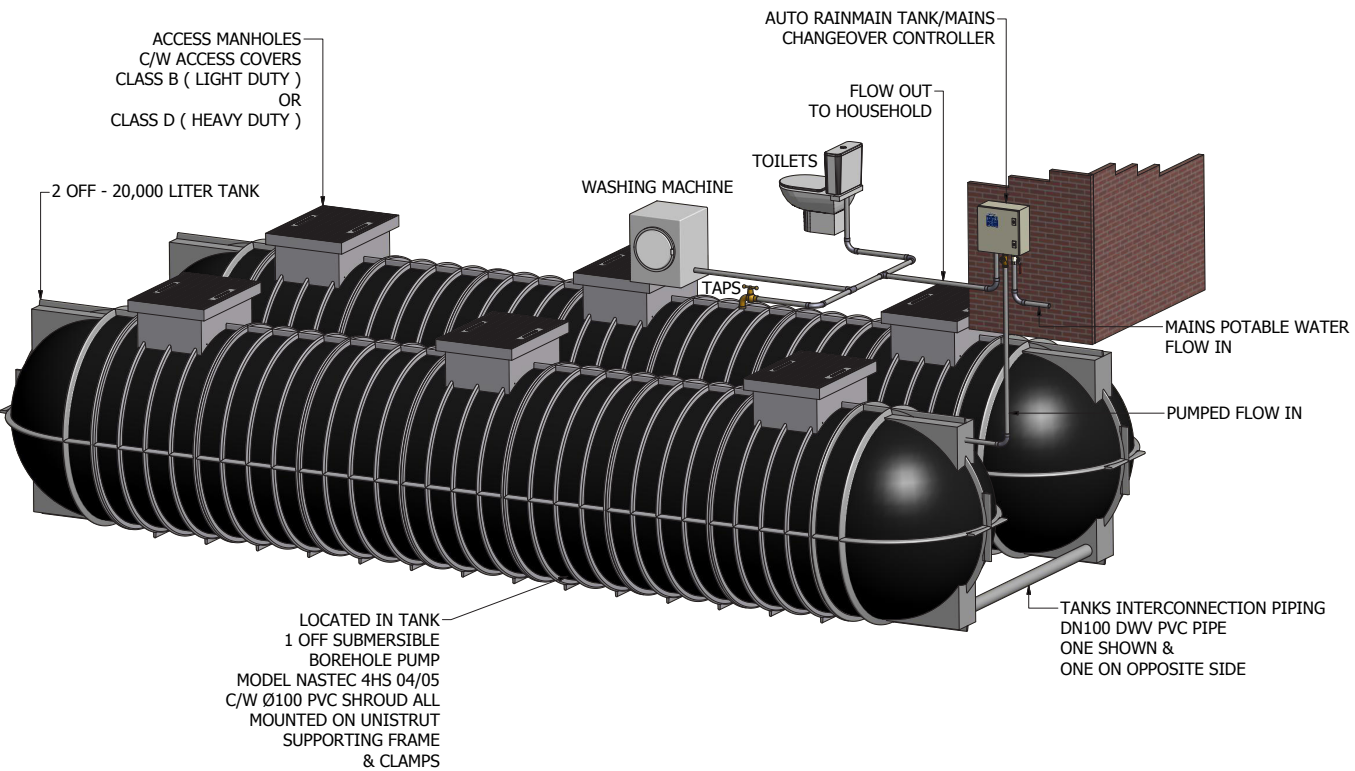
OVERVIEW

KPPS 10,000 / 20,000
30,000 / 50,000

Vertical fibreglass pump station with dry valve pit & horizontal emergency storage tank

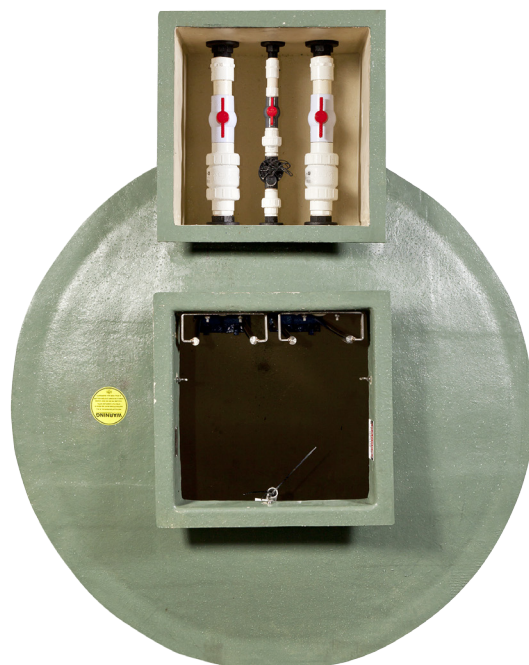


Rainwater harvesting system



PACKAGED PUMP STATIONS

FIBREGLASS



Dual guide rail fitout complete with dry valve pit

Kwikflo pump stations can be tailor made to suit any site specific requirement, this is where fibreglass pump stations are used as they can be custom made to incorporate any specified feature required.

- ✓ Dry valve pits
- ✓ "Non" standard dimensions
- ✓ Water charged ground
- ✓ Up to 150,000 litres
- ✓ Above ground installation
- ✓ Corrosion resistant
- ✓ Horizontal or vertical configuration

OVERVIEW

FIBREGLASS



Horizontal Fibreglass Pump Station



Fibreglass pump stations with dual guide rail fitout