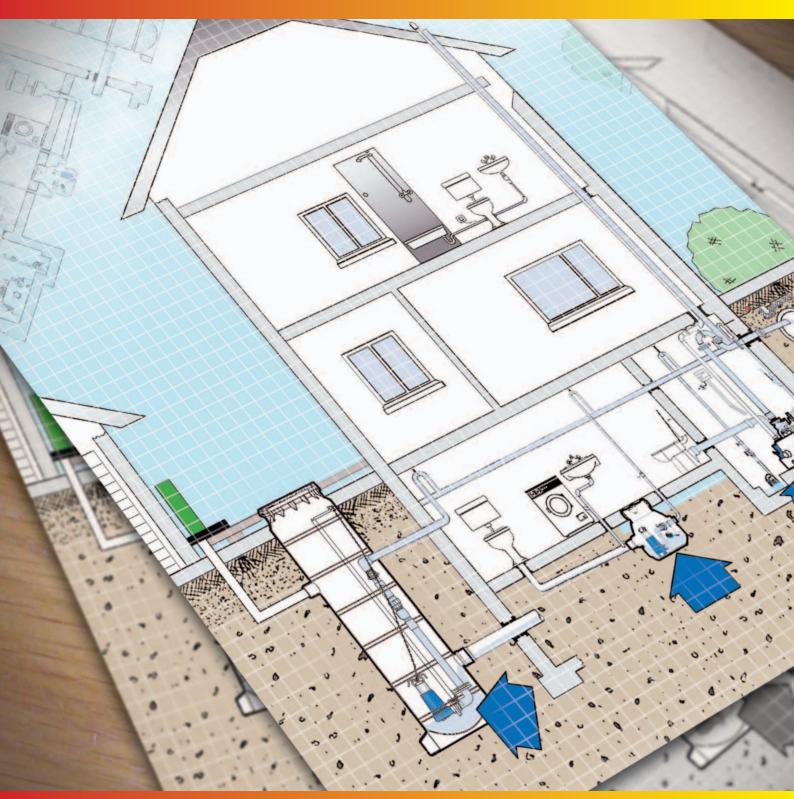
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### **DELTA MEMBRANE SYSTEMS LTD** packaged**pump**solutions



# **Packaged Pump Stations**

DELTA MEMBRANE SYSTEMS LIMITED DELTA HOUSE, MERLIN WAY, NORTH WEALD, EPPING, ESSEX, CM16 6HR t: 01992 523523 e: pumps@deltamembranes.com www.deltamembranes.com

# SINGLE V3 PUMP STATION (DMS 047 & DMS 107)

### **Overview**

The Single V3 (DMS 047) packaged pump station designed to collect ground water from a cavity membrane system through the clear opening to the top of the chamber. This pump station would be selected where no running water is present or expected and therefore is for protection only.

The Single V3 sump with inlets (DMS 107) allows for one or two 110mm pipes to be connected into the side of the chamber, we recommend advice from one of our technical support engineers before selecting this product.

The Single V3 pump station has been specifically designed for below ground applications. The chamber is manufactured from HDPE and able to withstand hydrostatic forces encountered in applications with high water tables.

The pump station is delivered as a complete package including chamber, all internal pipe work and one powerful V3 pump. A high level alarm is offered as a recommended option. It is designed to be installed by contractors with competent building, plumbing and electrical skills.



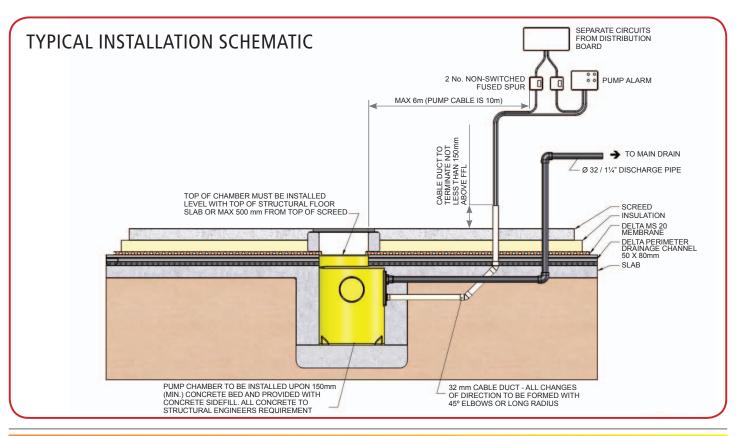
- Simple to install
- Quiet in operation

### Installation

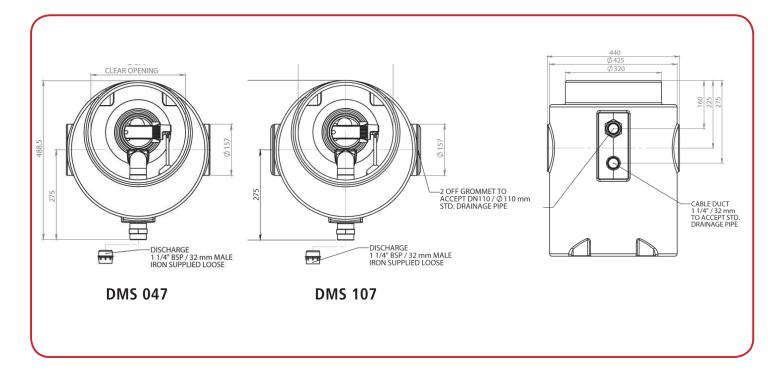
The Single V3 sump sits on a concrete base. Standard 110mm inlet pipes (DMS 107 only) are connected using a 110mm coupler.

A 1 1/4"/ 32mm discharge pipe is run from the chamber to a drain and 1 1/4"/ 32mm duct installed with draw cord. The chamber is filled with water to prevent floatation and back filled with concrete to 'lock into structure.'

For full installation instructions see 'Single V3 sump - Installation instructions & Technical Details'.

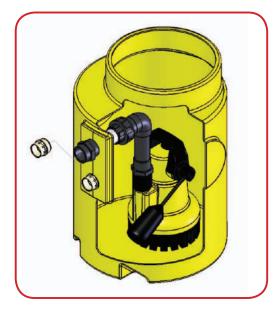


### www.deltamembranes.com



Pump Model	V3P	
Voltage	230 V	
KW rating (P1 / P2)	0.43/0.18KW	
Full Load Current	1.9 A	
Fuse Rating spur	13 A	
Typical Duty	2.2 L/S 3m Head	
Chamber Storage Volume	80 litres	

For full technical & performance information please refer to 'Drainage & Sewage Pumps - Technical Overview'



### **Accessories**



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# DUAL V3 SUMP (DMS 164)

### Overview

A packaged pump station designed to collect ground water via perimeter channel or 110mm pipes (129 detail) and / or clear opening to the top of the chamber. This chamber can also collect grey water from showers, washing machines, dish washers and wash hand basins, but not foul from a WC. (See Foul V3 sump DMS 165).

The Dual V3 pump station has been specifically designed for below ground applications. The chamber is manufactured from HDPE and able to withstand hydrostatic forces encountered in applications with high water tables.

The pump station is delivered as a complete package including chamber, all internal pipe work and two powerful V3 pumps. A high level alarm is offered as a recommended option. It is designed to be installed by contractors with competent building, plumbing and electrical skills.



- Simple to install
- Quiet in operation

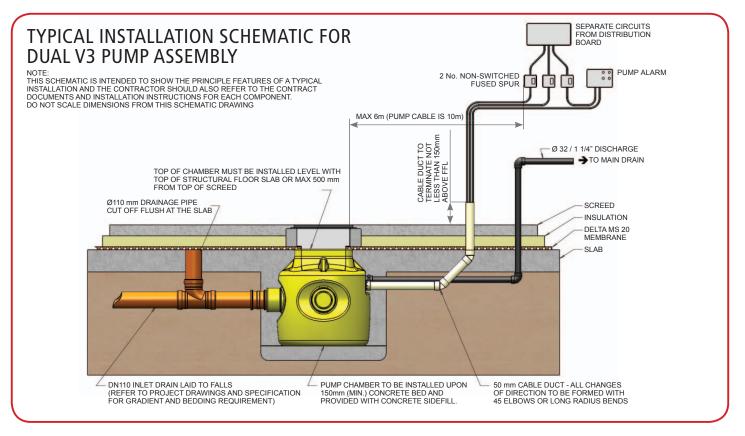
### Installation

The Dual V3 sump sits on a concrete base. Standard 110mm inlet pipes (if applicable) are connected using a 110mm coupler.

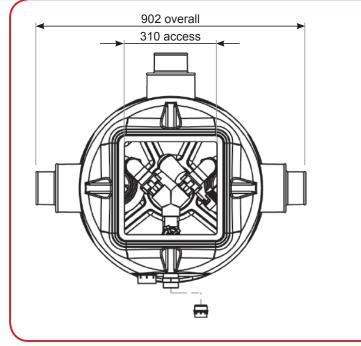
A 1 ¼"/ 32mm discharge pipe is run from the chamber to a drain and cable 50mm cable duct installed with draw cord. The chamber is filled with water to prevent floatation and back filled with concrete to 'lock into structure.'

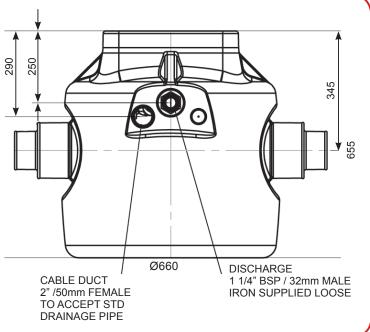
For full installation instructions see 'Dual V3 sump - Installation instructions & Technical Details'.

Typically a double sealed man hole cover is fitted in the final screed, this can be a tray type cover to accept the final floor finish, ie tiles or wood.



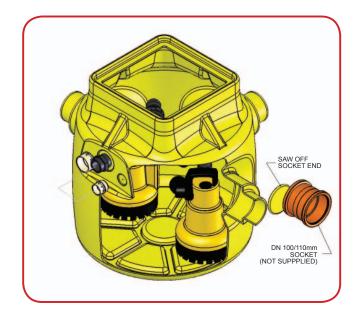
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Pump Model	V3P
Voltage	230 V
KW rating (P1 / P2)	0.43/0.18KW
Full Load Current	1.9 A
Fuse Rating spur	13 A
Typical Duty	2.2 L/S 3m Head
Chamber Storage Volume	217 litres
Storage below Volume	87 litres

For full technical & performance information please refer to 'Drainage & Sewage Pumps - Technical Overview'



### Accessories



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# FOUL V3 PUMP STATION (DMS 165)

### Overview

A packaged pump station designed to collect foul water from basements and ground floor extensions where other facilities in the property discharge via gravity. A typical application would be the collection and discharge of foul water from a basement fitted with a bathroom and utility room. This pump station is not designed to collect ground water from a cavity membrane system (see Dual V3 sump, DMS 164).

The Foul V3 pump station has been specifically designed for below ground applications. The chamber is manufactured from virgin tank grade HDPE and is able to withstand hydrostatic forces encountered in applications with high water tables.

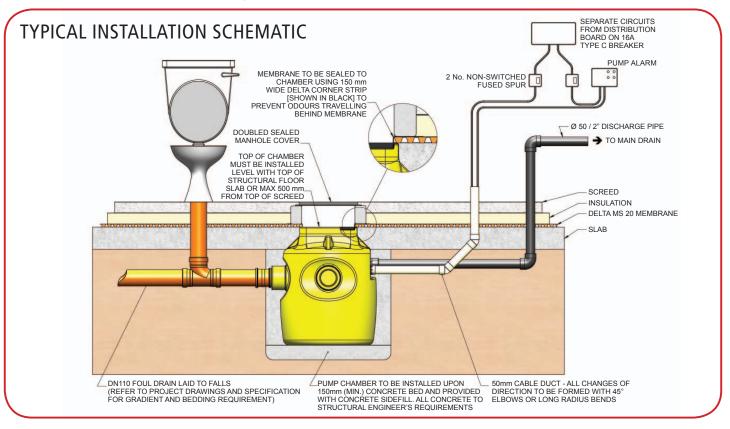
The pump station is delivered as a complete package including all internal pipe work and 612SA foul vortex pump. A high level alarm is a recommended option. It is designed to be installed by contractors with competent building, plumbing & electrical skills.

# <image>

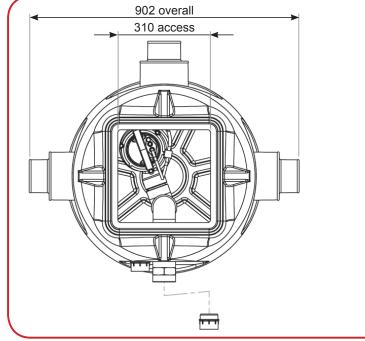
### Installation

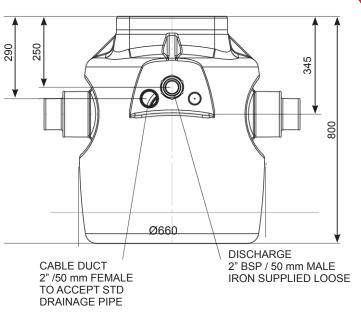
The Foul V3 sump sits on a concrete base. Standard 110mm inlet pipes are connected using a 110mm coupler. A 2"/ 50mm discharge pipe is run from the chamber to a drain, 50mm cable duct installed with draw cord and 50mm vent to high level or SVP. The chamber is filled with water to prevent floatation and back filled with concrete to 'lock into structure.'

Typically a double sealed man hole cover is fitted in the final screed, this can be a tray type cover to accept the final floor finish, ie tiles or wood. For full installation instructions see 'Foul V3 sump - Installation instructions & Technical Details'



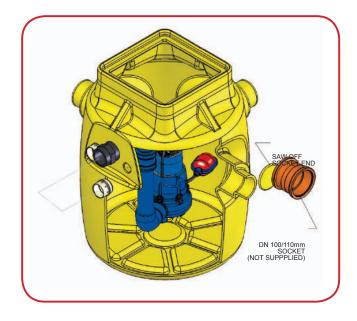
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Pump Model	612SA	
Voltage	230 V	
KW rating (P1 / P2)	1.25KW / 0.75KW	
Full Load Current	6.0A	
Fuse Rating spur	13A	
Typical Duty	5.8L/S @ 4m Head	
Chamber Storage Volume	273 litres	
Storage below Volume	137 litres	
Storage below Volume	137 litres	

For full technical & performance information please refer to 'Drainage & Sewage Pumps - Technical Overview'



### Accessories

High Level Alarm



Telemetry System



Pipe Work



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# After Sales Service



PPS provide comprehensive maintenance and service support for all installations of Delta packaged stations.

They have a team of fully trained service engineers who are able to maintain both Delta manufactured equipment as well as booster set/pressurisation set and rain water harvesting systems.

They offer both one off servicing and repairs as well as preventative maintenance agreements. Clients who are on a service agreement have access to a 24hr/365 day call out facilities.





- Fully stocked vans
- Emergency breakdown service
- Out of hours service
- Planned maintenance
- Factory trained engineers