Grey Water Tank 16L, plastic

Technical Data

** Illustration photo only.*

The grey water interface unit consists of a 16 liter tank fitted with a Jets™ Level Switch Complete and a Jets™ VD Valve. Grey water is led to the tank by gravity and interfaced with the vacuum system via the Jets™ VD Valve. The valve is activated by the water level inside the tank.

Grey Water Tank 16L, plastic:

Part No.: GWT800PL
Total Weight: ..... Approx. 4.9 kg
Discharge Connection: ..... Pipe Ø50mm outside discharge
Outside Dimensions, Total: ..... 400x200x487(LxWxH)
Conformity ..... CE

Tank 16L, plastic:

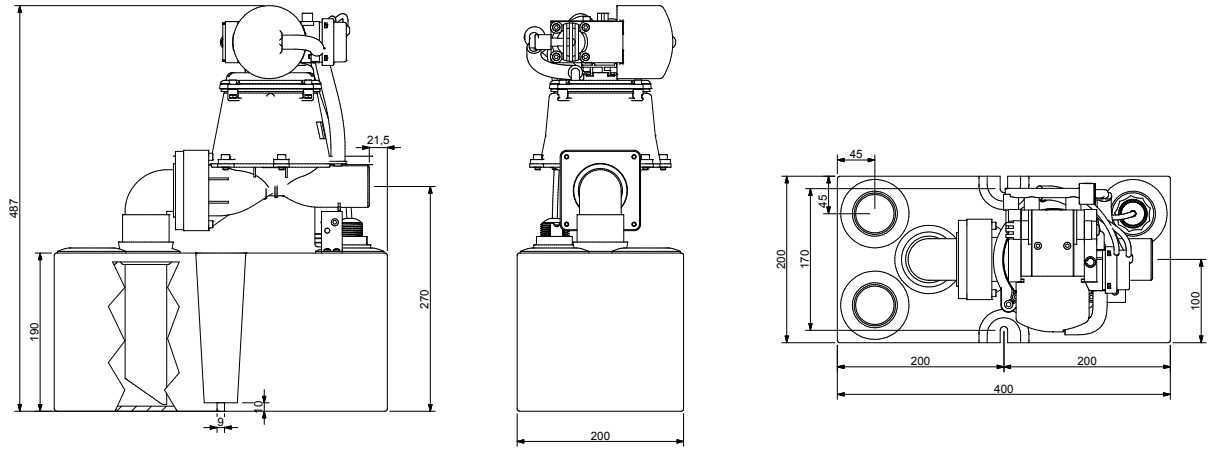
Part No.: 080500042
Outside Dimensions: ..... 400x200x290 mm (LxWxH)
Tank Material: ..... PEH
Tank Weight: ..... Approx. 2.2 kg

Note: Changes without prior notice.

Grey Water Tank 16L, plastic

Technical Data

Technical Dimensions



Operating Data:

Operation Vacuum: .....500-700 mbar
Ventilation: .....Either by pipe or by Air/Overflow valve
Ventilation Connection: ..... Ø 50 mm

Grey Water Tank Systems

Constant Vacuum Systems (CVS™):

VD Valve, Complete.....Vacuum operated discharge

Release Mechanism:

Level Switch, Complete ..... Pneumatically operated

Accessories:

Rubber Elbow w/hose clip 034505450
Rubber Sleeve w/hose clip.....034505550
Air/Overflow Valve, Complete.....035202511

Available Parts:

Grey Water Tank 16L, plastic	080500026
Tank/Pipe Seal	034505310
Pipe, elbow 90dg	034512584
Suction pipe	034512700
Bracket	010100750
Screw, 4x20	036515607
Screw, M5x10	036531600
Nut, M5	036304802

Principle and Function

Jets™ grey water interface unit consists of a 16 liter tank fitted with a level switch and a VD valve. Grey water is led to the tank by gravity and interfaced with the vacuum system via the VD valve. The valve is activated by the water level inside the tank.

See Jets™ data sheet Level Switch, Complete for further information.

Please note: The following information is for grey water tanks which have washing machines, kitchen sinks, showers etc. connected to the vacuum pipelines. Chemical detergents, when used excessively, may result in foaming in discharge from the vacuum pump.

Chlorine content in detergents may also have a negative effect on the process in the sewage treatment plant, as chlorine will kill the bacteria required in the process.

Disassembly and Reassembly

See diagram on page 4.

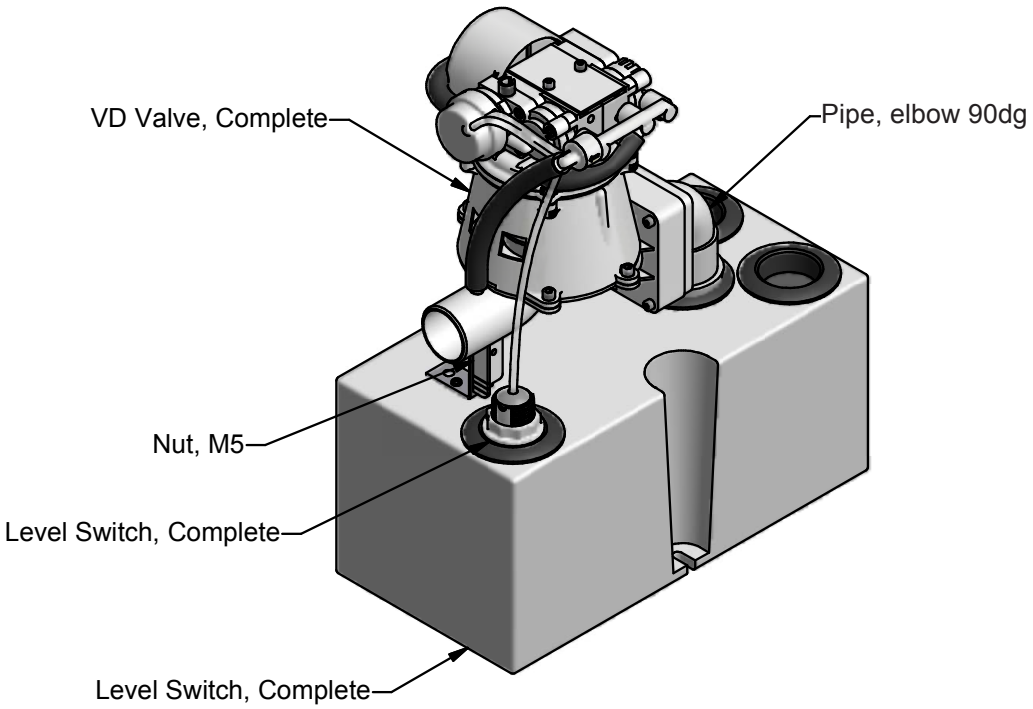
Disassembly of the VD Valve from the Grey Water Tank

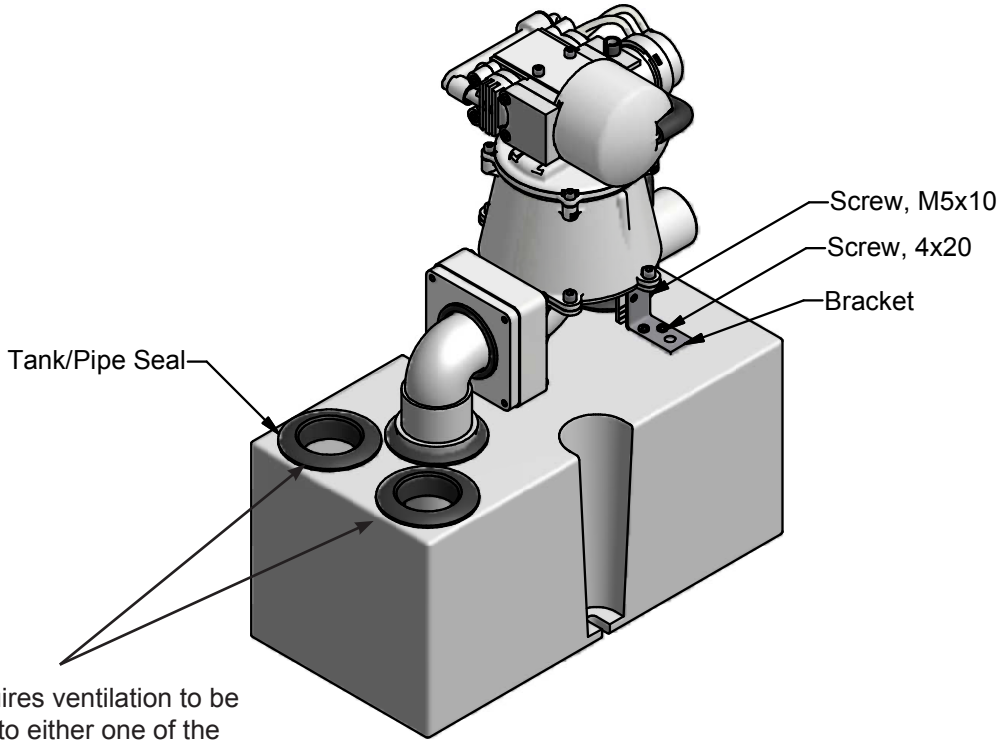
1. Close and drain the vacuum connected to the valve.
2. Disconnect the hose from the Level Switch.
3. Unscrew the bracket from the valve and pull backwards to release the valve from the elbow.
4. See Jets ™ data sheet Level Switch Complete, disassembly instructions.

Re-assembly of VD Valve to the Grey Water Tank

1. See Jets ™ data sheet Level Switch Complete, reassembly instructions
2. Push the valve forward to connect to the elbow and screw the bracket to the valve.
3. Reconnect the hose to the Level Switch.
4. Reconnect the vacuum pipes to the valve.

Grey Water Tank 16L, plastic





Note: Requires ventilation to be connected to either one of the two outlets

Routine Service and Maintenance

1. Visual control: Check the grey water tank while in operation (water is flowing). Check that the tank activates and empties with sufficient time so as to avoid overflow (empties at approx. half full).

2. Clean level switch with a clean and dry cloth.

3. Empty bottle of any content and check that the seal is not damaged.

4. Remove the cap.

5. Check that the hose is in good condition. Reconnect and ensure that the hose connection is secure.

Scheduled Maintenance

Replace the shut-off membrane and lifting membrane every 3rd year or after 50 000 cycles, whichever occurs first.

Routine cleaning

In order to avoid build up of deposits in the pipeline systems and pumping station, the use of the Jets™ Toilet Clean as a cleaner in the toilet and wash/shower is recommended. Jets™ Toilet Clean is a domestic cleaner that dissolves and prevents urinary stone and rings in vacuum tubes and pumps. Frequent use can assist in avoiding periodic concentrated cleaning of the pipes and pumping stations. Jets™ Toilet Clean can be purchased from your local dealer.

Frequency

It is recommended that routine cleaning and maintenance be carried out a minimum of one time per year. Note: If black water is flushed, the frequency should be increased to a minimum of two to three times per year.

Storage and Maintenance Instruction

a) Storage:

Goods to be stored in a dry environment between -30°C and +40°C, Storage location to be dust free, low humidity (≤ 95%) and free from moisture. Keep clear of foreign objects.

b) During transport/prior to installation:

Goods to be protected against shock, dust, grinding, welding, humidity and moisture. Suitable, adequately dimensioned transporting equipment is to be used during transportation and delivery. Note that the equipment contains components that are easily damaged as a result of inappropriate handling.

c) Installation to end use:

Site to be a dry environment between -30°C and +40°C. Instructions per item b). Note: Special attention to protection against moisture.

Environmental conditions: Goods to be stored indoor as per conditions stated above.

Visual inspections: Check for visual damage. Any damage detected after dispatch should be reported immediately to Jets AS and commissioning must be postponed until equipment has been inspected.

Inspection intervals: Upon arrival and prior to installation.

Maintenance: Not required.

Maintenance intervals: Not required.

Tools: Not required.

Troubleshooting

PROBLEM	CAUSE	ACTION
No discharge takes place.	Vacuum is below 30% or there is no vacuum.	Check the vacuum level and take action to increase the vacuum.
	The level switch does not activate.	See Jets™ data sheet: Level Switch, Complete
	Dirt in the distributor w/NR Valve or leakage in the lifting membrane.	See Jets™ data sheet: VD Valve, Complete
Discharge does not stop.	The signal hose between the Level Switch and the VPG Controller is leaking.	Replace the signal hose.
Discharge cycles are incorrect.	The air orifice needs cleaning.	See Jets™ data sheet: VD Valve, Complete
	The sealing flap is leaking.	See Jets™ data sheet: VD Valve, Complete

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