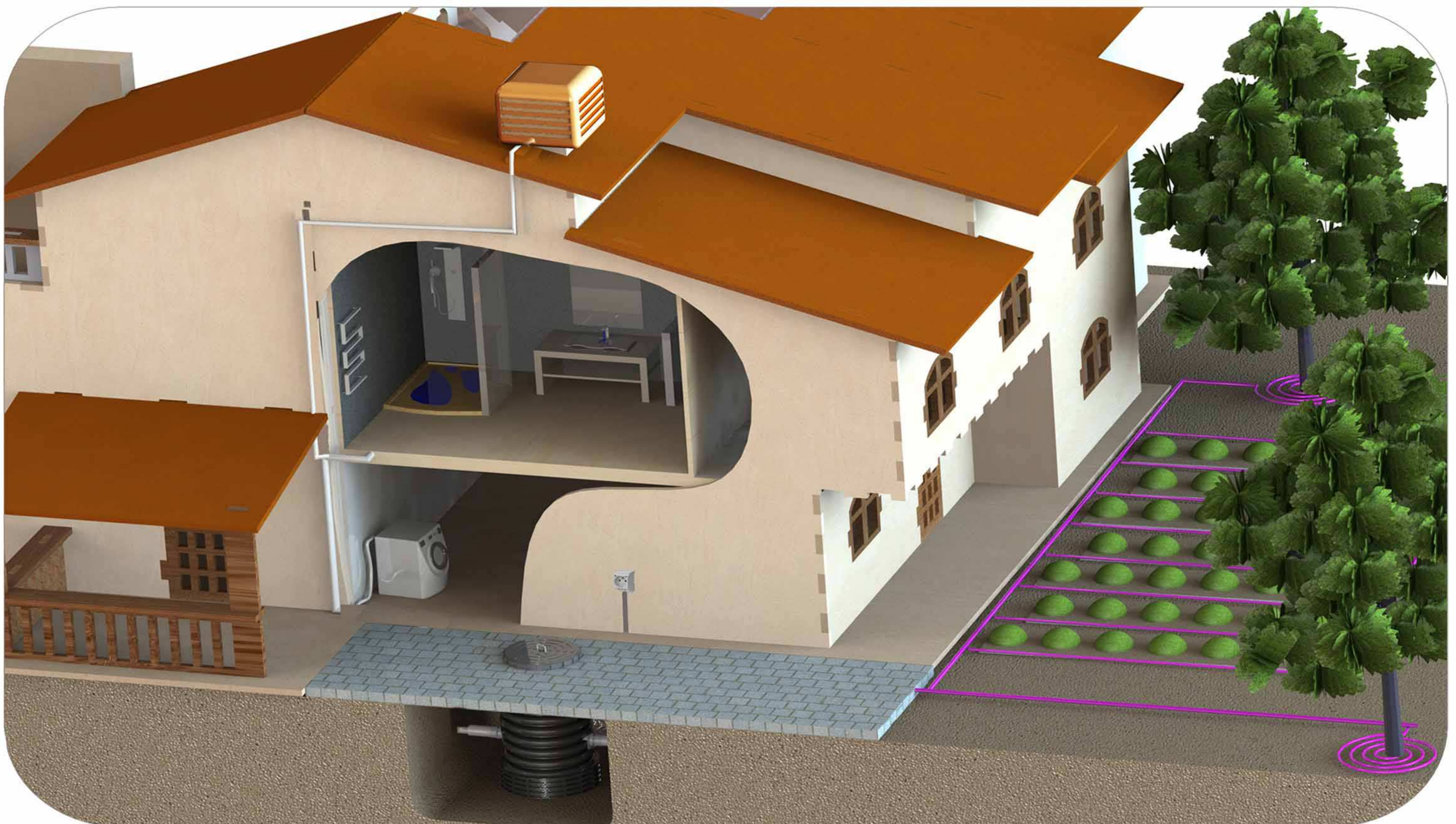




# Grey FlowPRO

## Domestic - Plug & Play Series

### ***OIM Manual*** ***Operation - Installation - Maintenance***



**Two Year**  
**WARRANTY**



## Grey Water Reuse System

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> GFPRO-PP-M1 | <input type="checkbox"/> GFPRO-PP-S1 |
| <input type="checkbox"/> GFPRO-PP-M3 | <input type="checkbox"/> GFPRO-PP-S3 |
| <input type="checkbox"/> GFPRO-PP-M4 | <input type="checkbox"/> GFPRO-PP-S4 |

*"moving water"*

[www.greyflow.net.au](http://www.greyflow.net.au)

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## ***Selection & Operation***

Congratulations, You've taken an important step towards environmentally friendly living with your purchase of the Grey Flow PRO Plug & Play greywater diversion and reuse system.

The Grey Flow PRO Plug & Play was developed for above ground and below ground partially or fully buried installations and can be retrofitted into almost any house

**Please note:** Water from the kitchen is not considered to be grey water, and is NOT suitable to use with the Grey Flow PRO System

Manual diversion of the greywater to sewer is achieved by capping off the filter outlets into the tank.

**The GreyFlow PRO comes in two different configurations and three pump size options:**

### **Configurations:**

1. Manual Clean Filters
2. Automatic Self-Cleaning Filters

### **Pump Size Options:**

1. 100W Pump (Max Head 6.5m; Max Flow 70LPM)
2. 300W Pump (Max Head 8m; Max Flow 180LPM)
3. 400W Pump (Max Head 21m; Max Flow 180LPM)

For subsurface irrigation of lawn areas, with the new Greyflow XR dripline, only the 400W pump is suitable

# Requirements

- The water discharge should be kept below mulch or soil (check for local state, municipal & council laws and regulations)
- 220 Volts power supply should be available
- Any PVC plumbing connections should be performed by a license plumber
- The Grey Flow PRO must be turned off during wet conditions and any sign of accumulation or run-off
- All minimum irrigation areas and set back distances must be in accordance to local regulations
- Table 1.0 provides an estimated average volume of greywater that is generated in various parts of the house. Refer to your greywater state guidelines to evaluate your minimum requirements.

**Table 1.0**

Number of Bedrooms In the House	Assumed Number of People	Quantity of Grey Water Generated in L/day		Soil Types	Minimum Garden Area In Square m		Recommended Maximum area In Square m	
		Laundry Only	Whole of House		Laundry	House	Laundry	House
2	3	120	300	Sandy	12	30	24	60
				Loamy	18	45	36	90
				Clay	24	60	48	120
3	4	160	400	Sandy	16	40	32	80
				Loamy	24	60	48	120
				Clay	32	80	64	160
4	5	200	500	Sandy	20	50	40	100
				Loamy	30	75	60	150
				Clay	40	100	80	200
5	6	240	600	Sandy	24	60	48	120
				Loamy	36	90	72	180
				Clay	48	120	96	240
6	7	280	700	Sandy	28	70	56	140
				Loamy	42	105	84	210
				Clay	56	140	112	280
7	8	320	800	Sandy	32	80	64	180
				Loamy	48	120	96	240
				Clay	64	160	128	320

# Parts List

The Grey Flow PRO Plug & Play is supplied with:

## Manual Filtration Option

GREY WATER  
IN USE ON  
THIS PROPERTY

Corflute Warning Sign

Fully Assembled Pump  
with integrated float switch

Interceptor

Corrugated Poly Pit

Filters

Isolation Cap

## Automatic Filtration Option

Controller Unit

Corrugated Poly Pit

Self Cleaning Blower

Filters

Isolation Cap

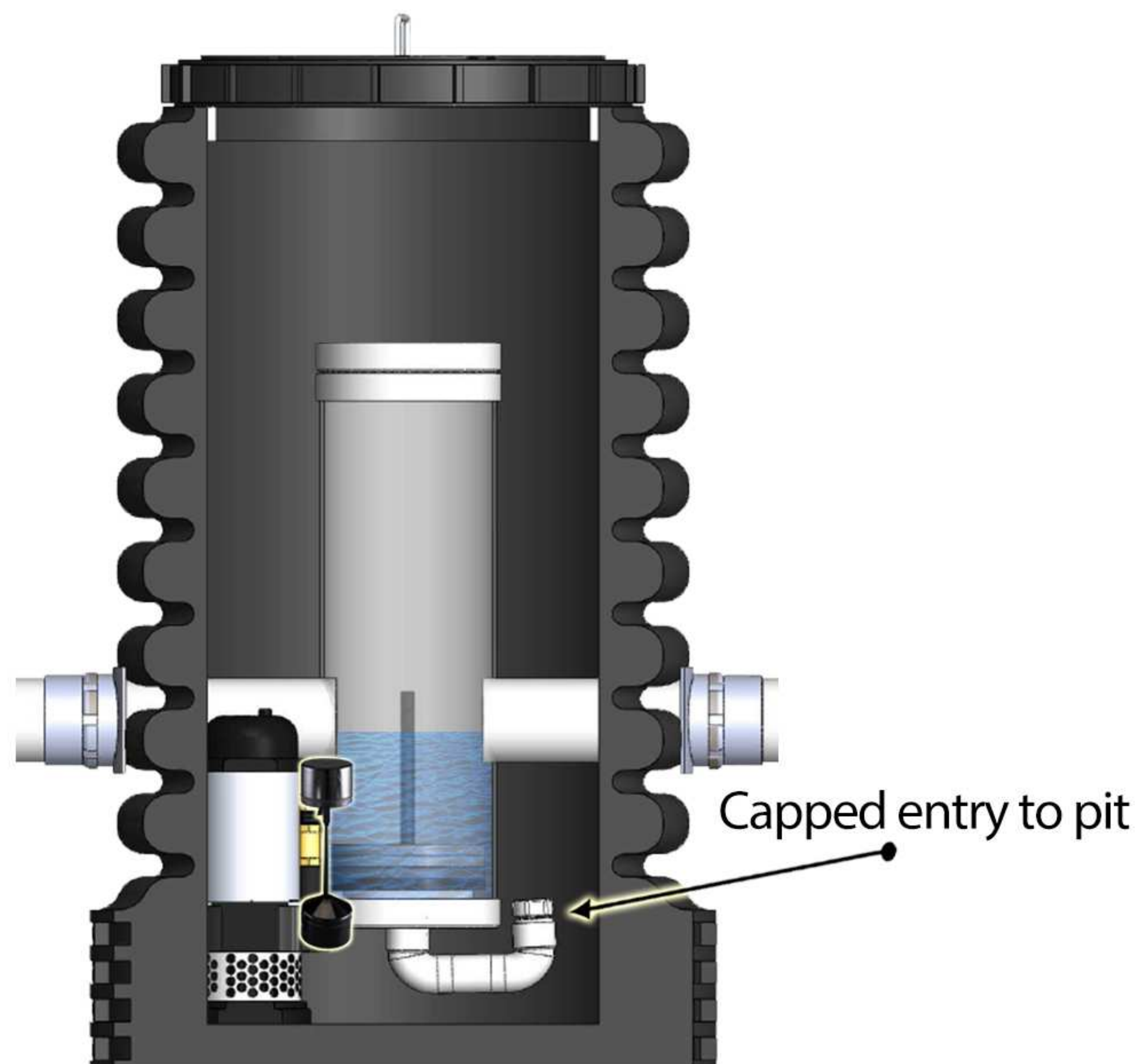
Double Float  
Switch Stick Assembly

Interceptor

Fully Assembled Pump

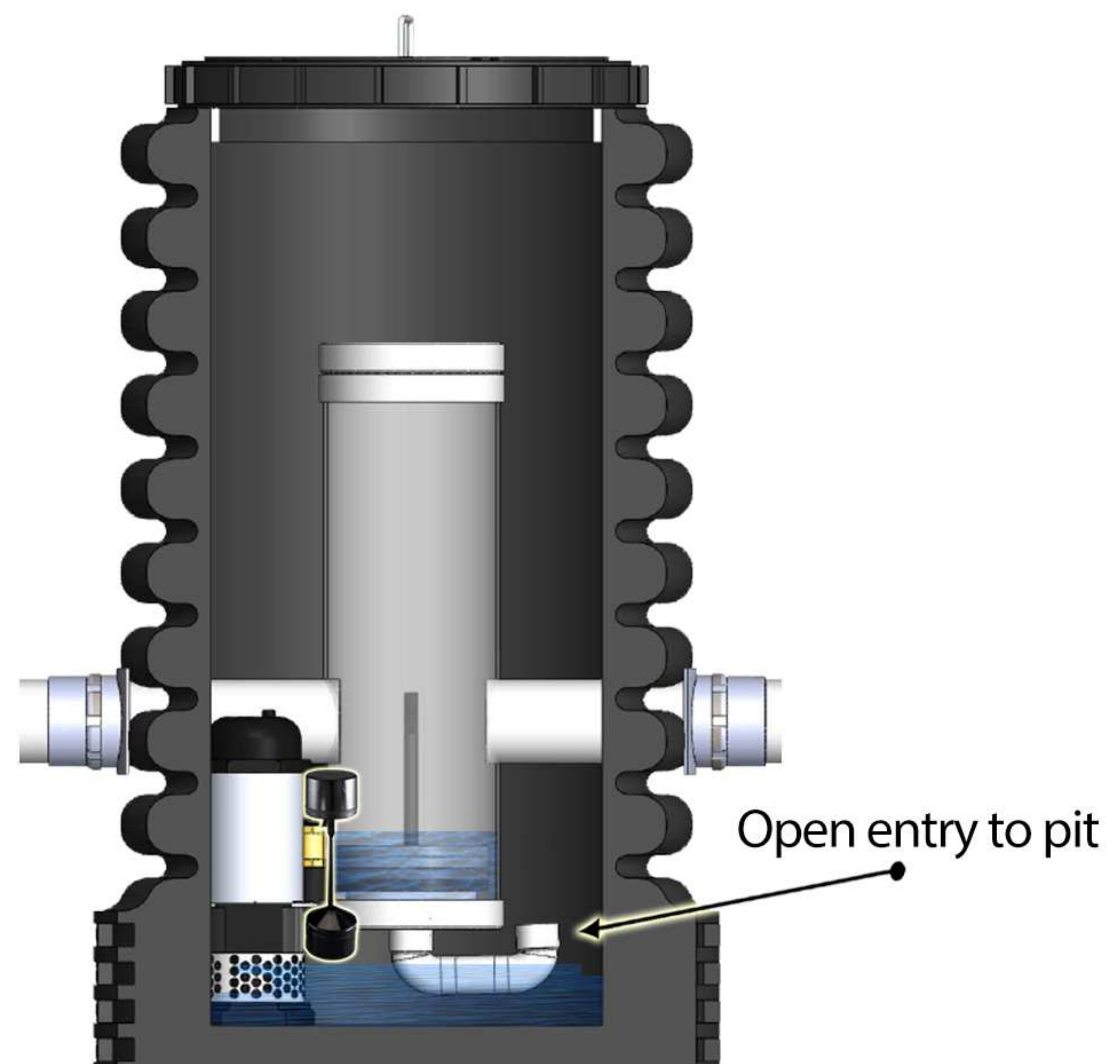
# Operating Modes - Manual Filtration Option

## Shut off mode



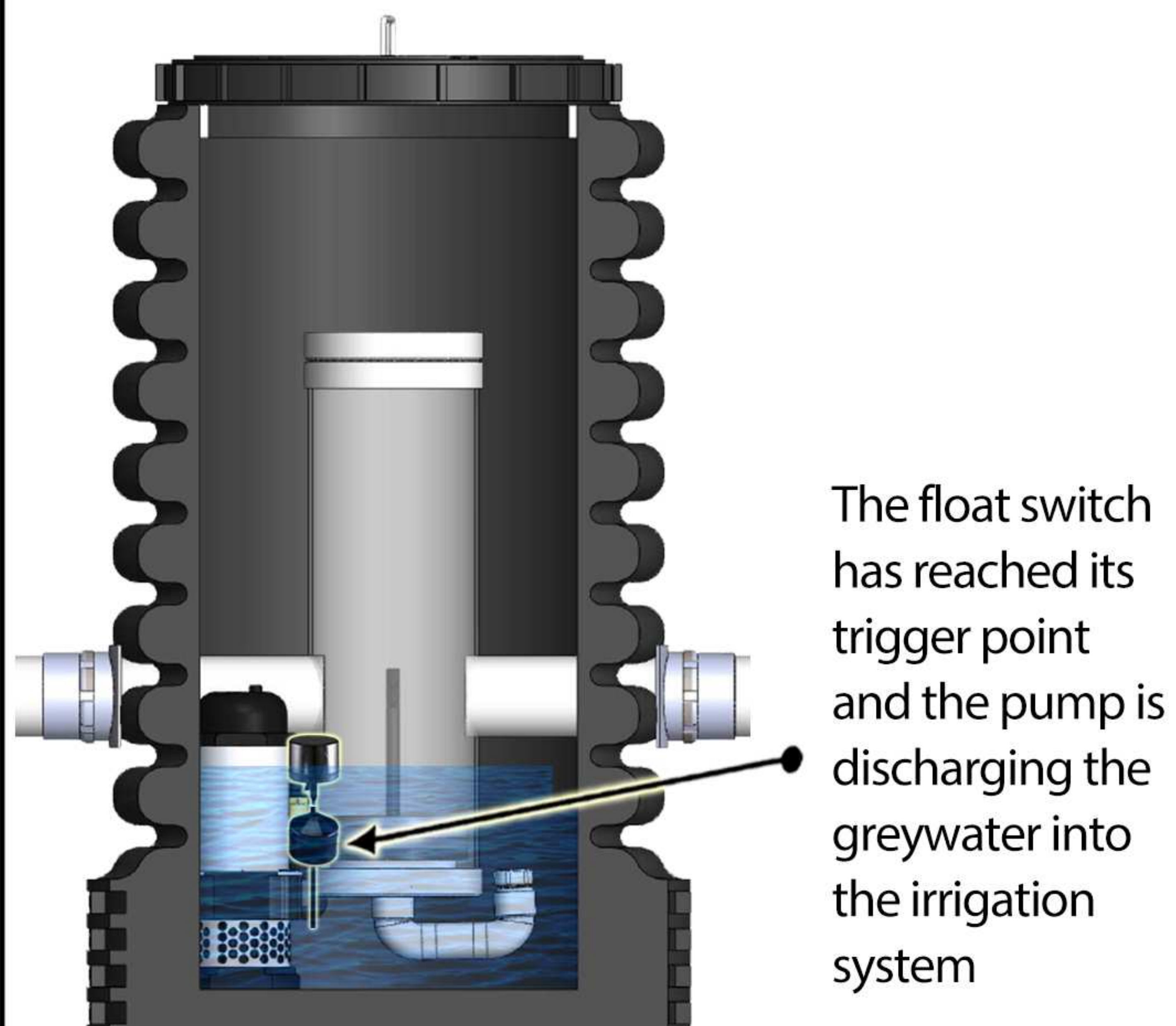
Water enters the system from the inlet pipe, and exits via the overflow pipe

## Standby mode

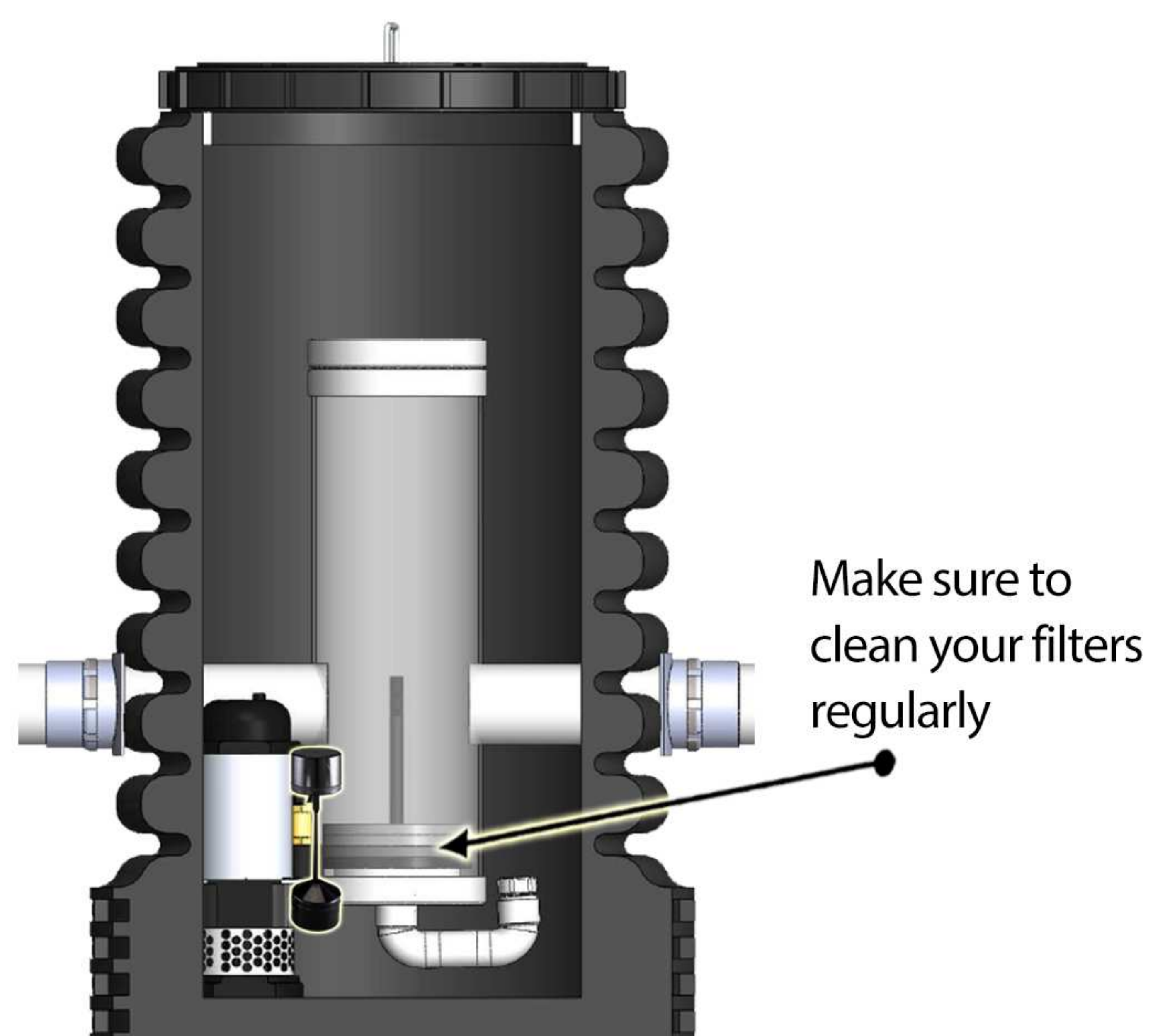


Water level in the main pit is below the float switch trigger level

## Operating mode

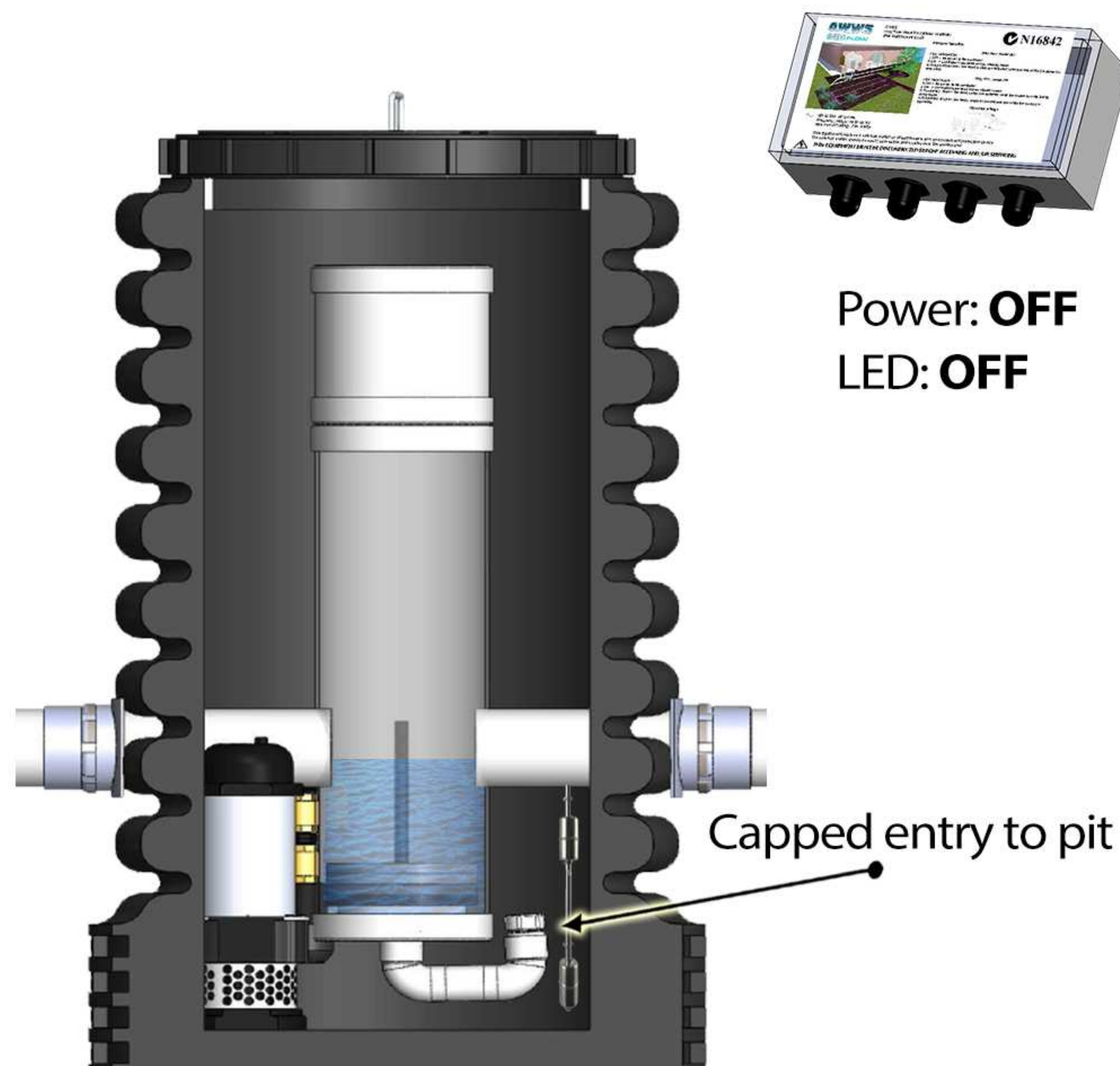


## Manual Filter Maintenance



# Operating Modes - Self cleaning filter option

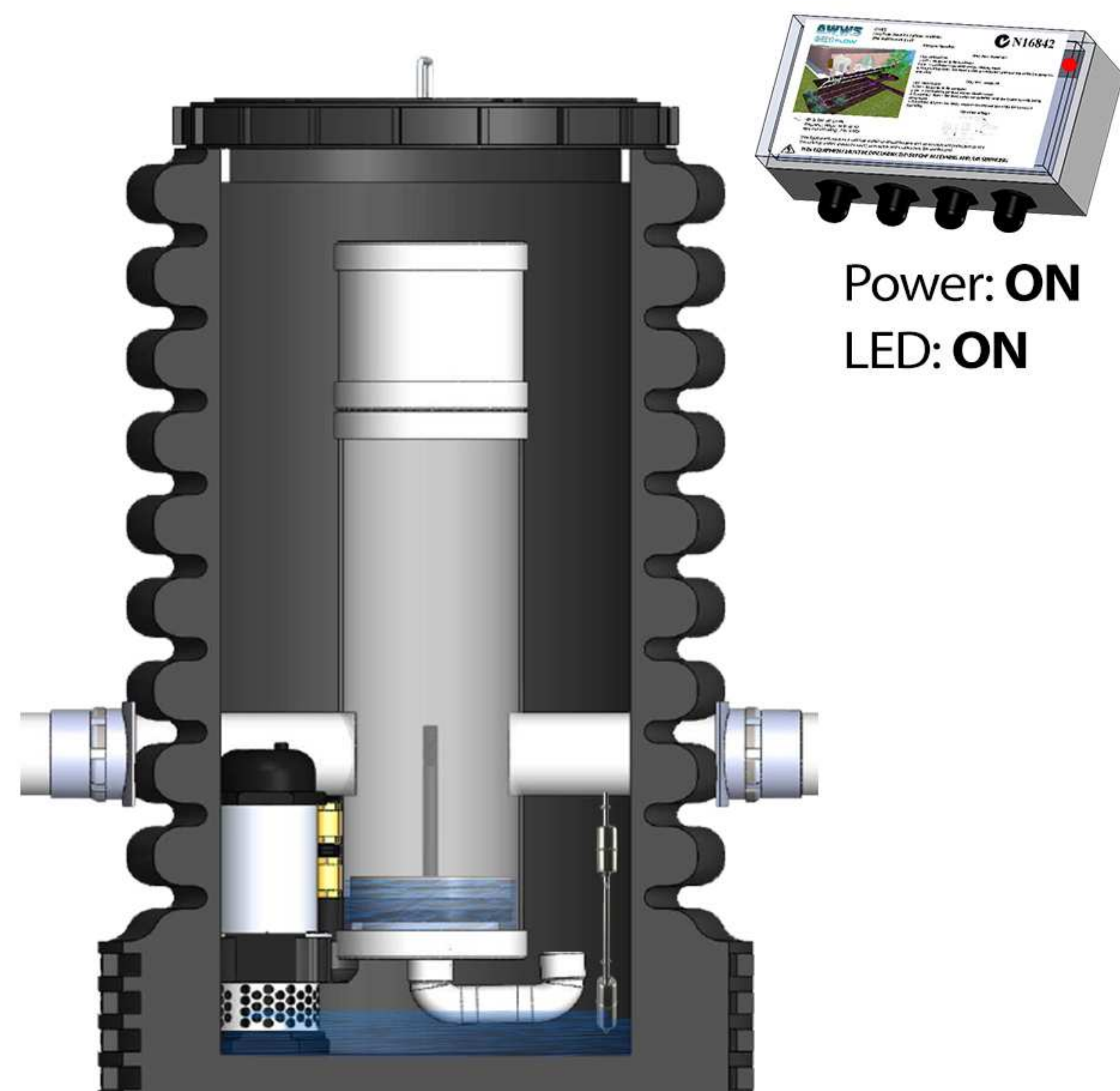
## Shut off mode



Power: **OFF**  
LED: **OFF**

Water enters the system from the inlet pipe, and exits via the overflow pipe

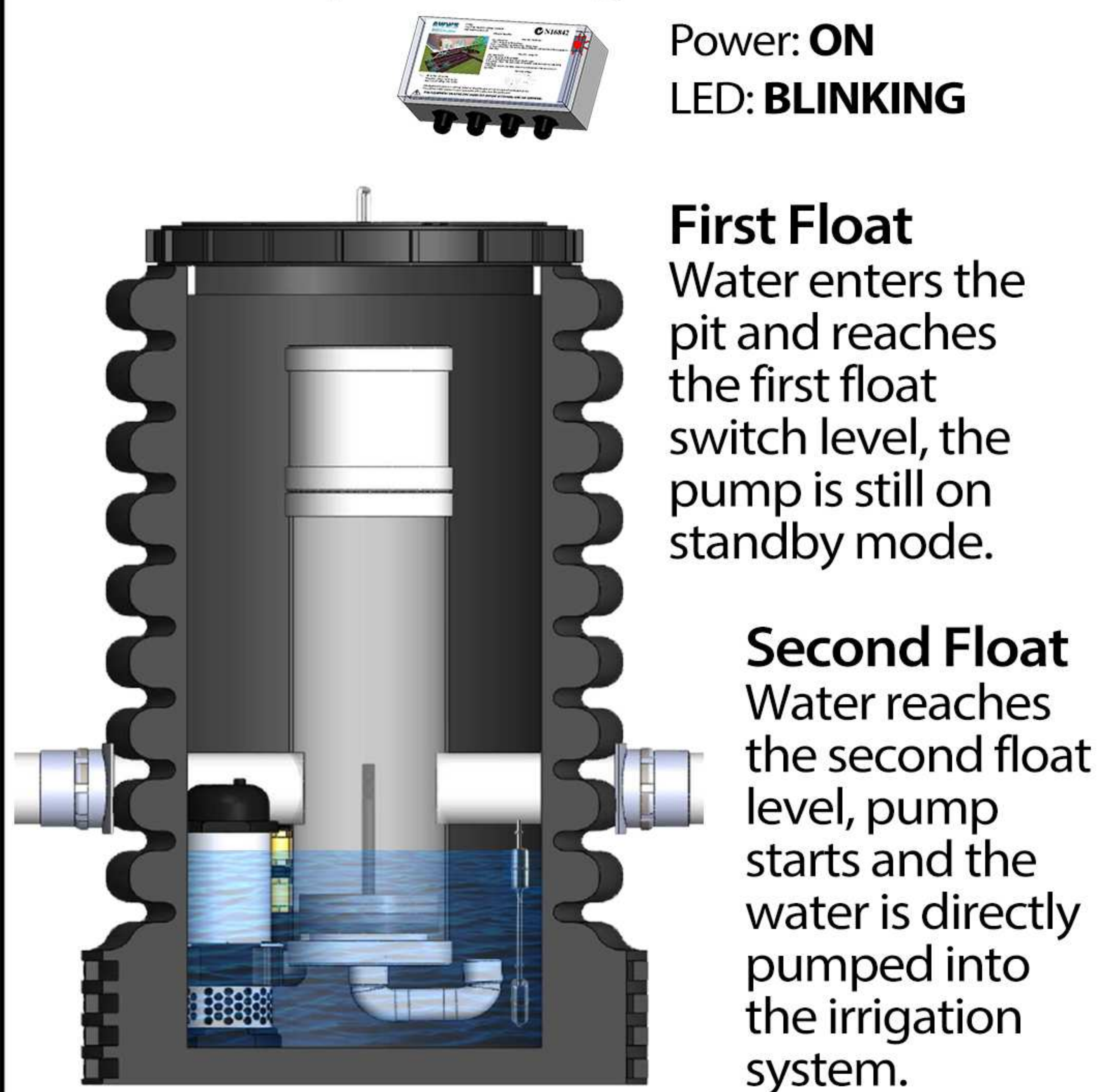
## Standby mode



Power: **ON**  
LED: **ON**

Water level in the main pit is below the FS1 float switch level

## Operating mode

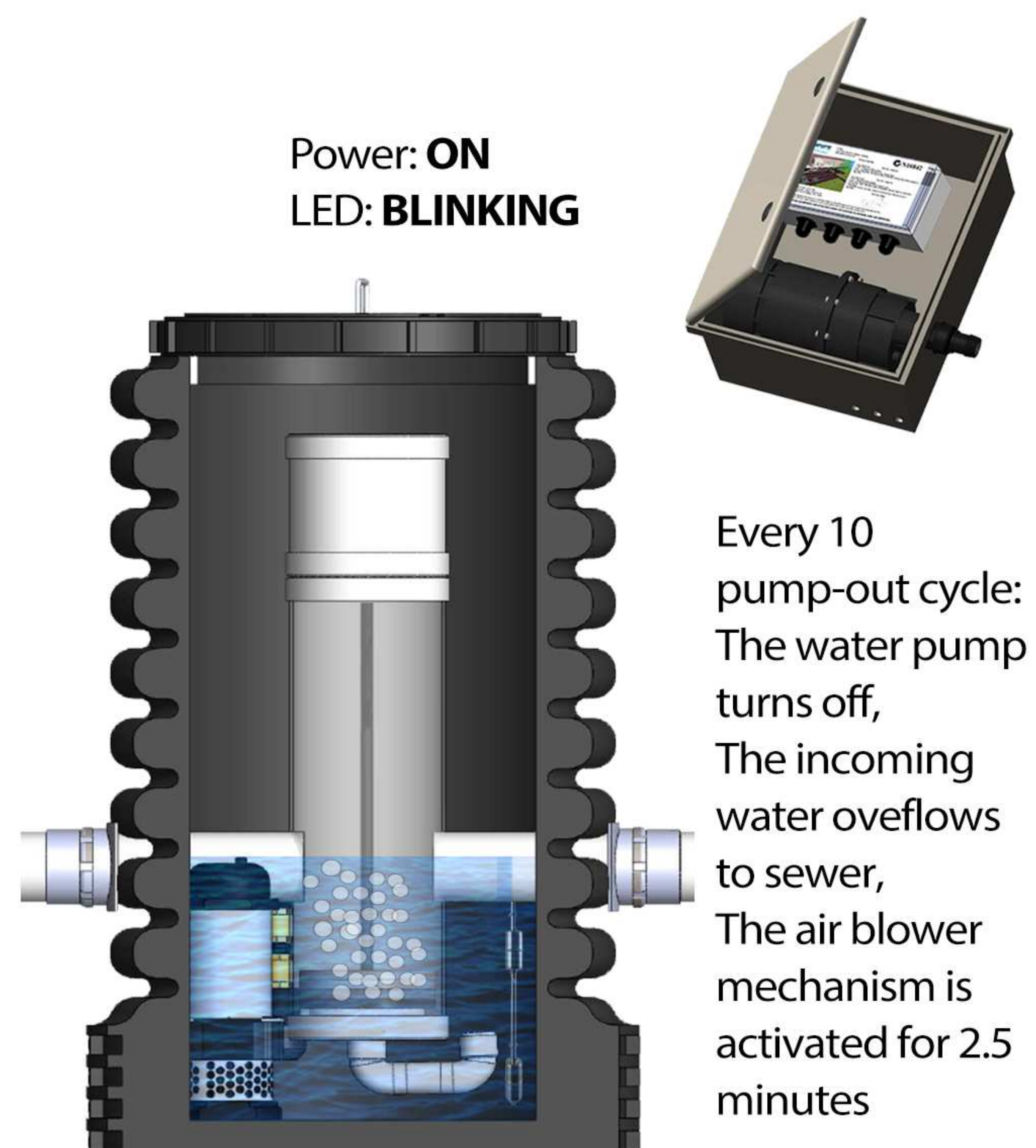


Power: **ON**  
LED: **BLINKING**

**First Float**  
Water enters the pit and reaches the first float switch level, the pump is still on standby mode.

**Second Float**  
Water reaches the second float level, pump starts and the water is directly pumped into the irrigation system.

## Filter Backflush mode



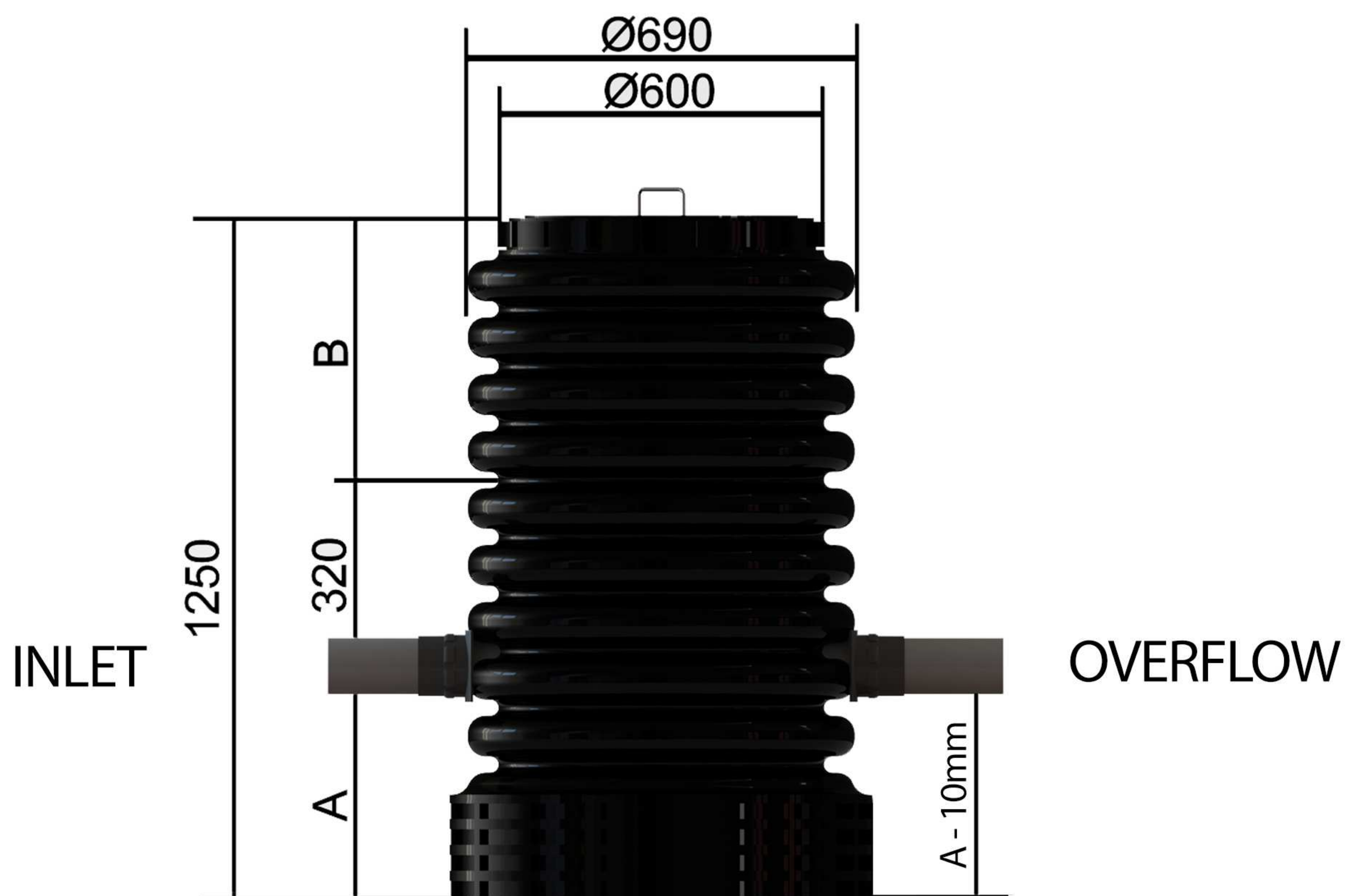
Power: **ON**  
LED: **BLINKING**

Every 10 pump-out cycle:  
The water pump turns off,  
The incoming water overflows to sewer,  
The air blower mechanism is activated for 2.5 minutes

**Note that the pump will attempt to empty the pit once every 24 hours regardless of the position of the FS2 float switch**

## Step One: Tank Positioning

The height of the tank is fully adjustable, cut the height to the desired height



Item Code	Capacity (Litre)	A(mm)
GF-PRO	120	400

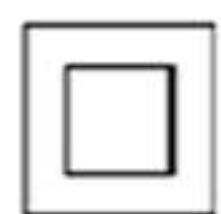
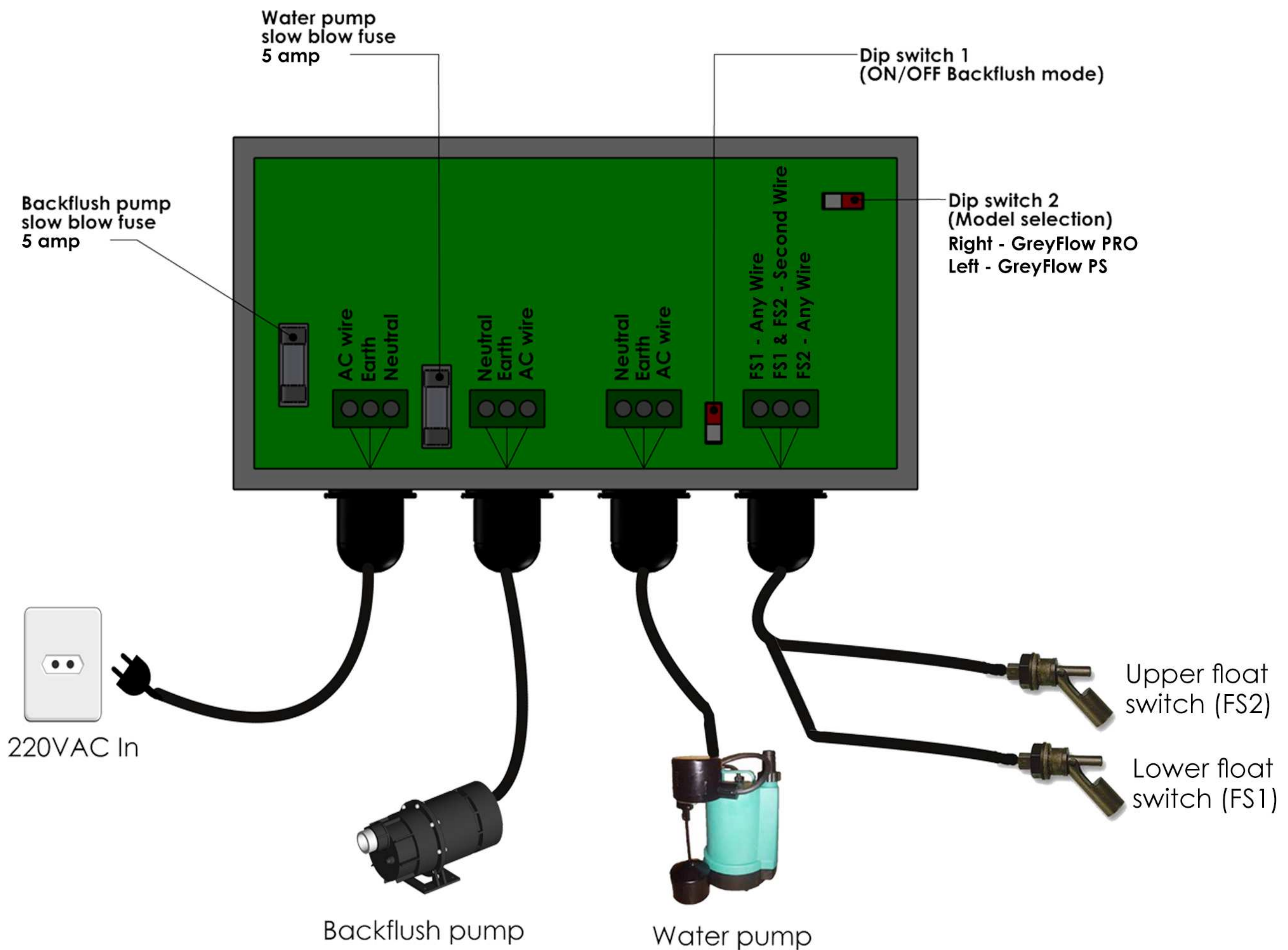
*Note: B is fully adjustable*



# Step Two: Plumbing and power connection

**Note that the inlet is 10mm higher than the overflow**

Glue the two inlet & outlet sides with PVC glue.  
Operation must be done by licensed plumber



Equipment protected by double insulation



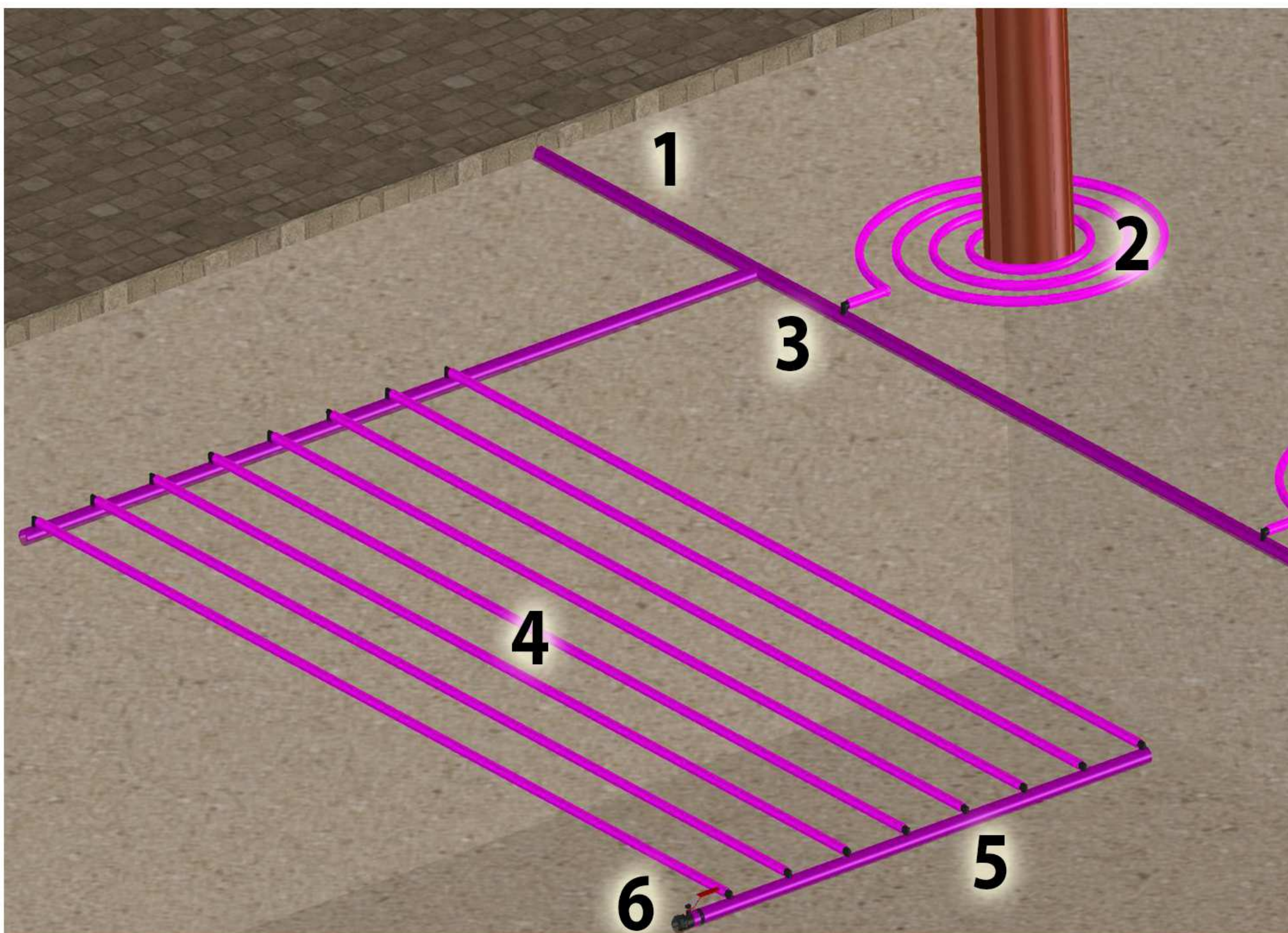
**THIS EQUIPMENT MUST BE DISCONNECTED BEFORE ACCESSING AND/OR SERVICING**

## Step Three: Installing the Irrigation System

### Option 1: Single Station GFPS PRO with GF Drip-Tube Kit



### Installing the GF Drip-Tube irrigation lines



1. 25mm or larger feeder pipe
2. Coil of GF Drip-Tube around trees
3. Elbow take-off adaptor
4. 16mm GF Drip-Tube (no more than 7m length)
5. 25mm flush manifold
6. Manual flush valve

Grey Water Warning Sign  
to be visible at all times



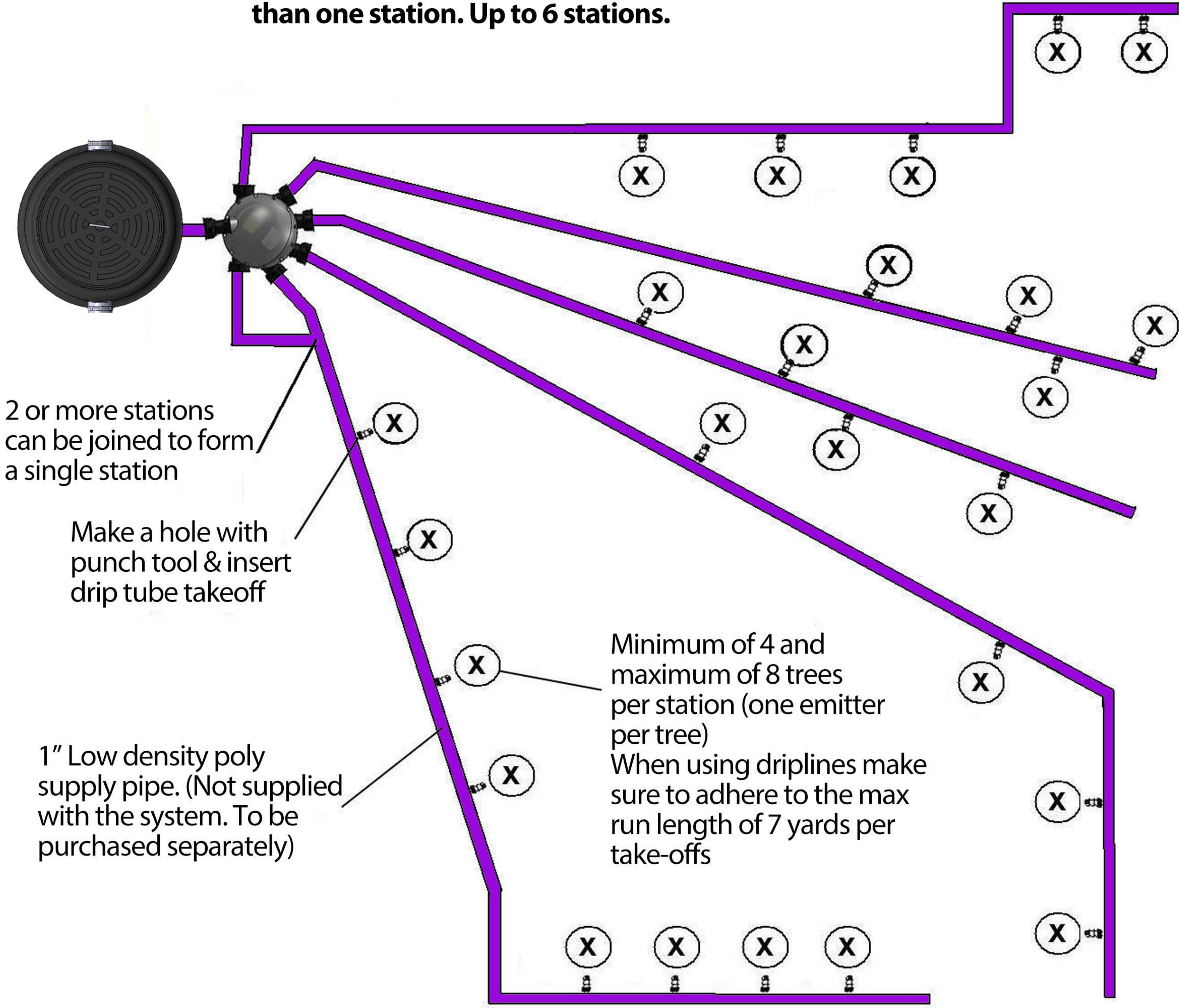
GREY WATER  
IN USE ON  
THIS PROPERTY

**\*Use of a non Grey Flow dripline will void the system warranty**

# Step Three: Installing the Irrigation System

## Option 2: Multi station distribution using GF Rotor

Use GF Rotor flow based indexer to split the system into more than one station. Up to 6 stations.



Grey Water Warning Sign to be visible at all times



## Maintenance

*To retain the original reliability and performance of the GFPRO System the following maintenance procedure should be followed. Please ensure that you wash your hands thoroughly after contact with greywater or handling any part of the GFPRO System.*

**The following maintenance steps should be carried every year and not less than once every 2 years:**

- Open top cover of the GFPRO Tank
- Remove the filters and wash thoroughly in a bucket, with a garden hose or in any basin not connected to the dedicated grey water line.
- Wash thoroughly the tank, the pump and the float switch with a garden hose.
- Disconnect the GFPRO pump and connect directly the scheme water supply to the pump discharge
- Flush the greyflow emitters with fresh water for about five minutes.
- Re-insert the filters to their original position, close the lid of the tank and the system is ready to operate again.
- Top up mulch over the Grey Flow emitters to a minimum depth of 2".

# Limited Consumer Warranty

## ADVANCE WASTE WATER SYSTEMS

### Two Year Limited Warranty

*Advance Waste Water Systems (AWWS) warrants this product against material defects in materials and workmanship for a period of TWO YEAR from the date of the original retail purchase (warranty period). Warranty work will be done in accordance with the following terms and conditions. This warranty only benefits the original purchaser.*

### **THIS WARRANTY COVERS ONLY DEFECTS IN MATERIAL AND WORKMANSHIP. THIS WARRANTY DOES NOT COVER ANY OF THE FOLLOWING:**

1. Expendable items that can wear out from normal use, including but not limited to, filters, or similar perishable parts.
2. Damage to or failure of this system if it is not installed, operated, or maintained according to all instructions supplied with the system.
3. Damage to or failure of this system resulting from accident, abuse, misuse, or use for other than its intended purpose, Act of God.
4. Damage to or failure of parts or system resulting incomplete or improper installation or from unauthorized modifications made to this system.
5. If you purchase the system from an unauthorized retailer or dealer.
6. Damage caused by power surges, electrical storm damage, incorrect power supply, or insect or vermin infestation
7. Damage to or failure of parts if this system is serviced or repaired by anyone other than an Authorized Service Center.
8. This warranty extends only to you, the original purchaser. It is not transferable to anyone who subsequently purchased this product from you.
9. Use for more than a single family or use in a commercial establishment or for commercial non-household purposes.
10. Parts and systems not supplied by AWWS are not covered by this warranty

*Any item which has been repaired or replace under this warranty shall be covered for the remainder of this original warranty as extended by the number of days that the product has been out of your hands for repair.*

# Disclaimer

## **Disclaimer of implied warranties; Limitation of remedies**

1. All implied warranties, including implied warranties of merchant ability and fitness for a particular purpose, are limited in duration to one year from the date you purchased the product.
2. Neither AWWWS nor its affiliates are responsible or liable for any loss, inconvenience or damage, whether special, exemplary, direct, incidental, consequential or otherwise, and whether known or should have been known to AWWWS including damage to or replacement of other equipment and property and personal injury resulting from any breach of warranty, the inability to use the product or under any legal theory in contract or tort. These warranties and remedies are the sole and exclusive warranties and remedies given by AWWWS in connection with the sale and use of the product. No other warranties, oral or written, express or implied are given.
3. In any event, AWWWS's entire liability shall be limited to the actual purchase price you paid to the retail seller of the defective product. This limitation applies whether damages are sought or a claim made, under this warranty or as a tort claim (including negligence and strict product liability), a contract claim or any other claim. This limitation cannot be waived or amended by any person. This limitation of liability is effective even if AWWWS or any authorized representative of AWWWS has been advised by you of the possibility of such damages. This limitation of liability, however, shall not apply to claims of personal injury.
4. No AWWWS dealer, agent or employee is authorized to make any modification, extension, change or amendment to this warranty.

## **YOUR RESPONSIBILITY**

The above limited warranties are subject to the following conditions:

You must provide your original bill of sale, invoice or other proof of purchase of the system showing that you are the original purchaser, that the purchase was made within two years of the date of your claim and that you purchased it from an authorized dealer or retailer. No warranty work will be done without this information. Keep a copy of your receipt or invoice for your own records. These limited warranties are effective only if this system is purchased and used in AU region. Labor and service charges for warranty repair, installation, set up, and adjustment of customer control are not covered by these limited warranties. Should you encounter a defect in the system, [www.greyflow.net.au](http://www.greyflow.net.au) to find the closest authorized service center. Contact the center and it will arrange for an inspection and corrective action, if needed and if covered by this warranty.

Should the center determine that the system is not covered by this warranty; any corrective work will be performed at your request and at your expense. If the center makes a second and/or subsequent visit and determines that there is no problem or that the system is not covered, the service call will be charged to you.

When making a warranty claim, please be prepared to provide a description of the system, your name, address, work day telephone number, a description of the problem, the date you purchase the system and the identity of the seller.



# AWWS

Advanced Waste Water Systems

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*"moving water"*