

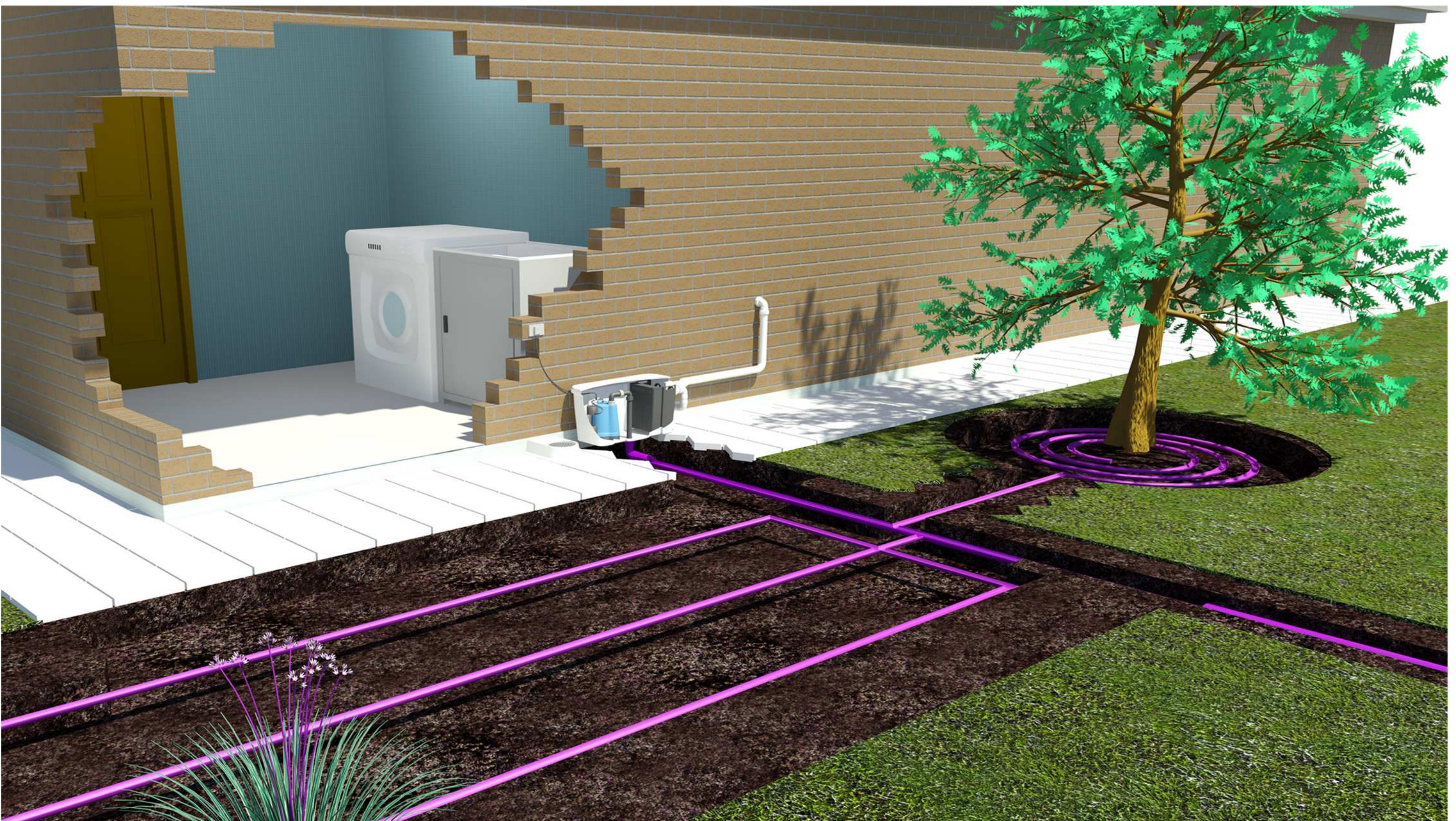


# G-Flow System

**GreyFlow Above Ground Series**

## ***OIM Manual***

***Operation - Installation - Maintenance***



## **Grey Water Reuse System**

☐ G-Flow (GFGF)



*"moving water"*

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



# Contents

## Contents:

### OPERATION:

Selection & Operation Page 3

Requirements Page 4

### INSTALLATION:

Parts list & Components Page 5

Important Do's and Don'ts Page 6

Operating Modes Page 7

Step One: G-Flow tank positioning Page 8

Tank Positioning for New Homes Page 9

Step Two: Plumbing and power connection Page 10

Step Three: Installing the irrigation system Page 11-12

**MAINTENANCE** Page 13

**TERMS OF WARRANTY** Page 14

**DISCLAIMER** Page 15



## ***Selection and Operation***

Congratulations, You've taken an important step towards environmentally friendly living with your purchase of the G-Flow greywater diversion and reuse system.

The G-Flow System was developed for above ground / partially buried installations and can be retrofitted into almost any house.

In some parts of the world the G-Flow is known as the automatic bucketting system, and has been used extensively in drought stricken areas to keep garden green, save water, and beat water restrictions.

**Please note:** Due to its high fat content, water from kitchen is harmful to soils, and is not considered suitable for reuse in gardens with the G-Flow system.

Manual diversion of the Grey Water to sewer is achieved through the 3 way manual valve supplied with the unit.



# 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
- The G-Flow can 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 irrigation area 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

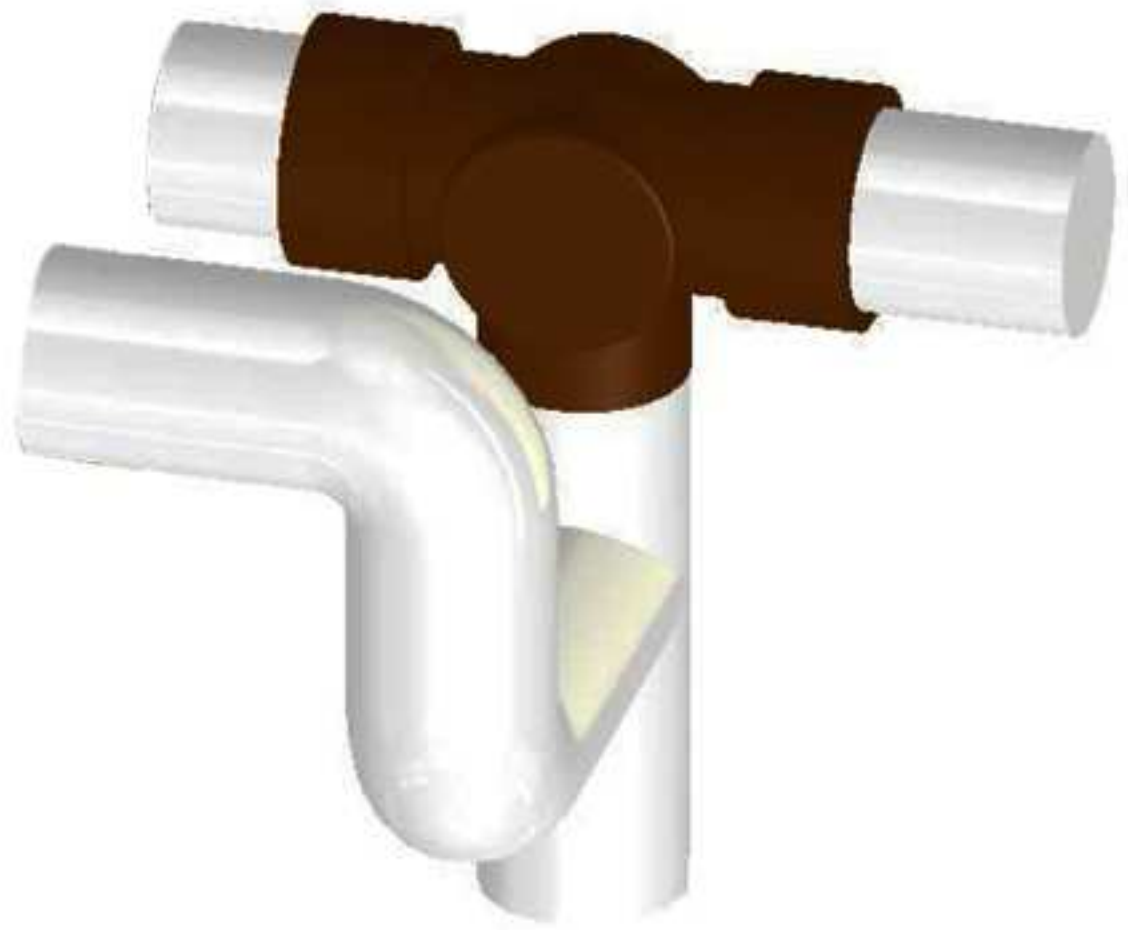


# Parts List & Components

**The G-Flow Complete System is supplied with:**



1 x G-Flow lid cover



1 x 2" Three-way valve with inlet & outlet manifold



4 x Lint filters



1 x G-Flow filter basket



1 x G-Flow tank fitted with a float controlled submersible pump

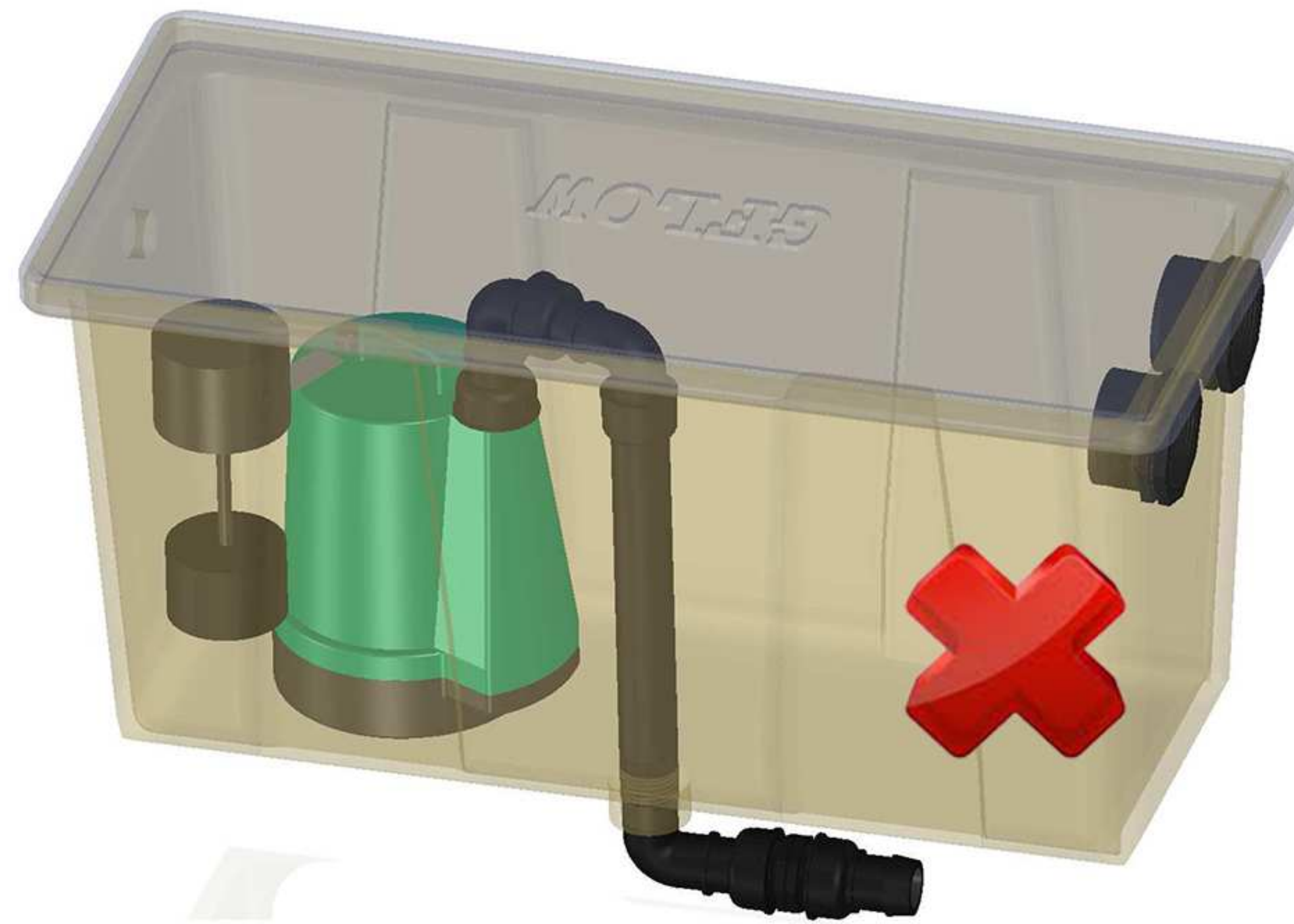


1 x Corflute Grey Water warning sign

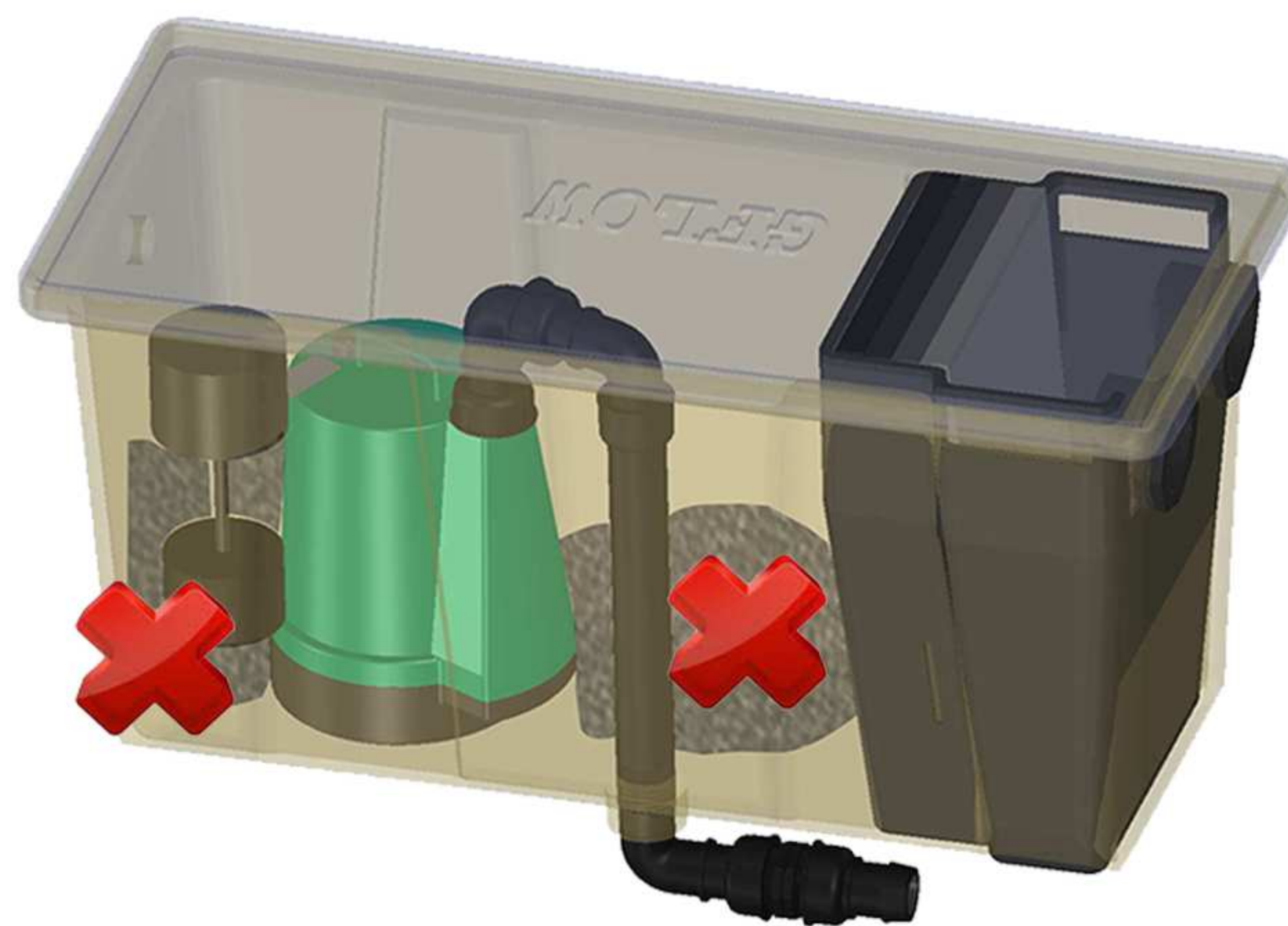


## ***Important Do's and Don'ts***

- Never operate the G-Flow system without the filter basket and the lint filters



- Never operate the G-Flow system with the supplied protective packaging foams, make sure to REMOVE the two foams before use.



- Make sure to insert the lint filters all the way down inside the filter basket

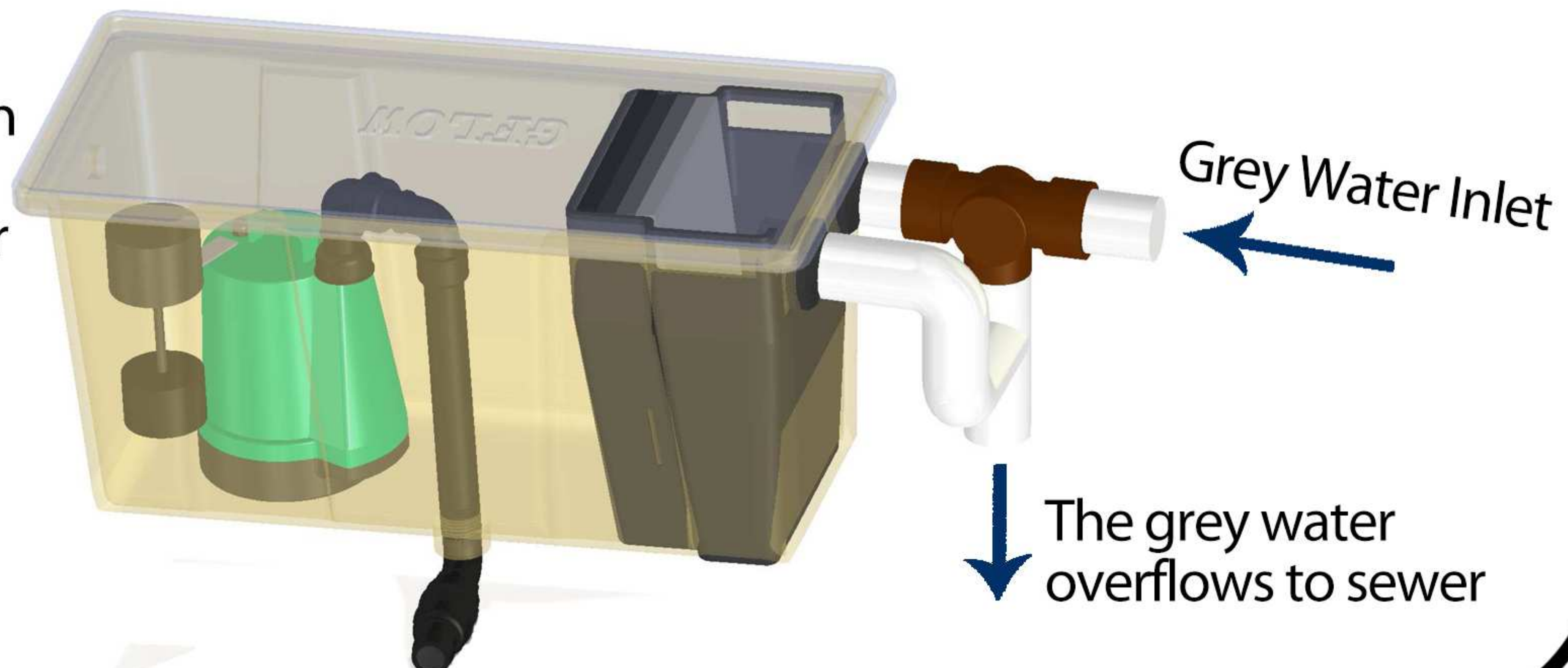




# Operating Modes

## G-Flow in shut off mode

The 3 way diversion valve is closed and the Grey Water is forced into the sewer overflow



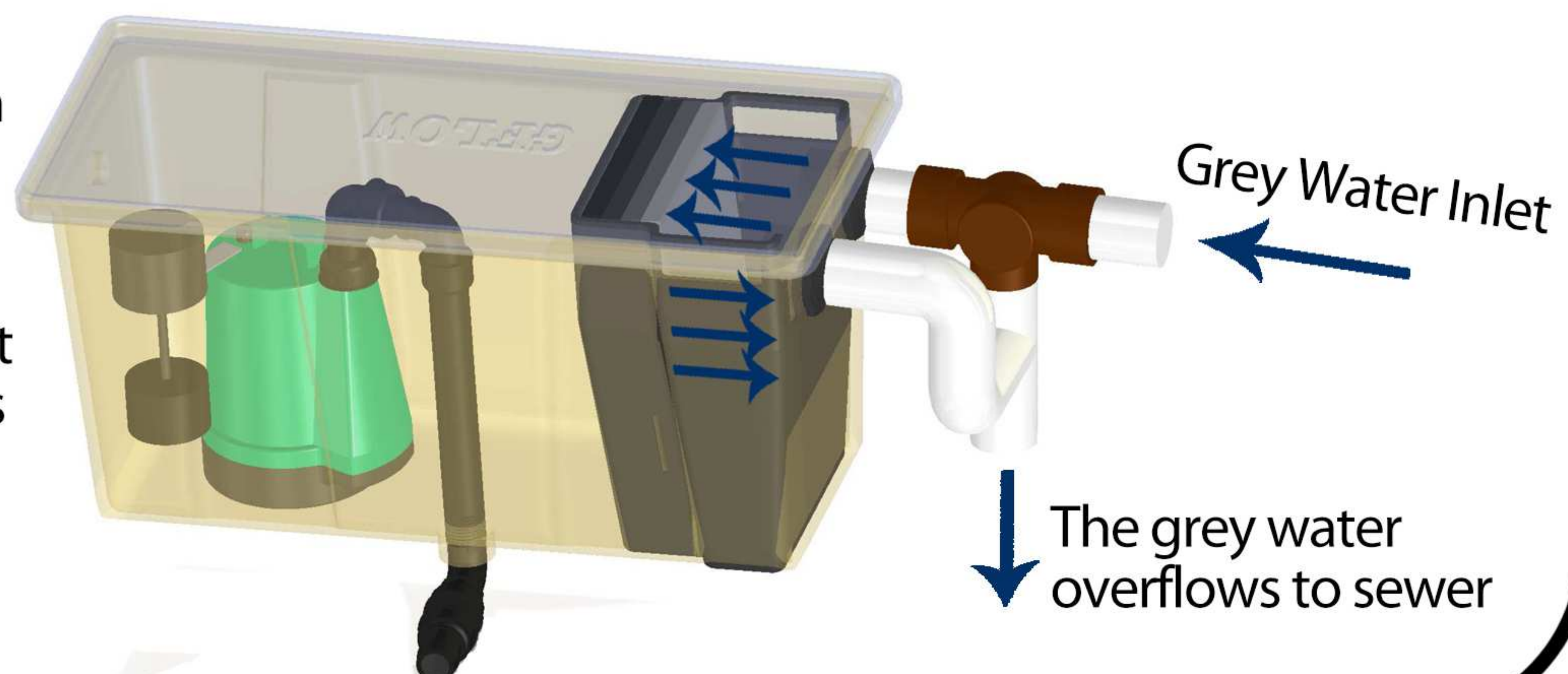
## G-Flow in operation with clean filters

The 3 way diversion valve is open and the Grey Water is forced into the filter basket



## G-Flow in operation with blocked filters

The 3 way diversion valve is open and the Grey Water is forced into the blocked filter basket and then overflows to sewer



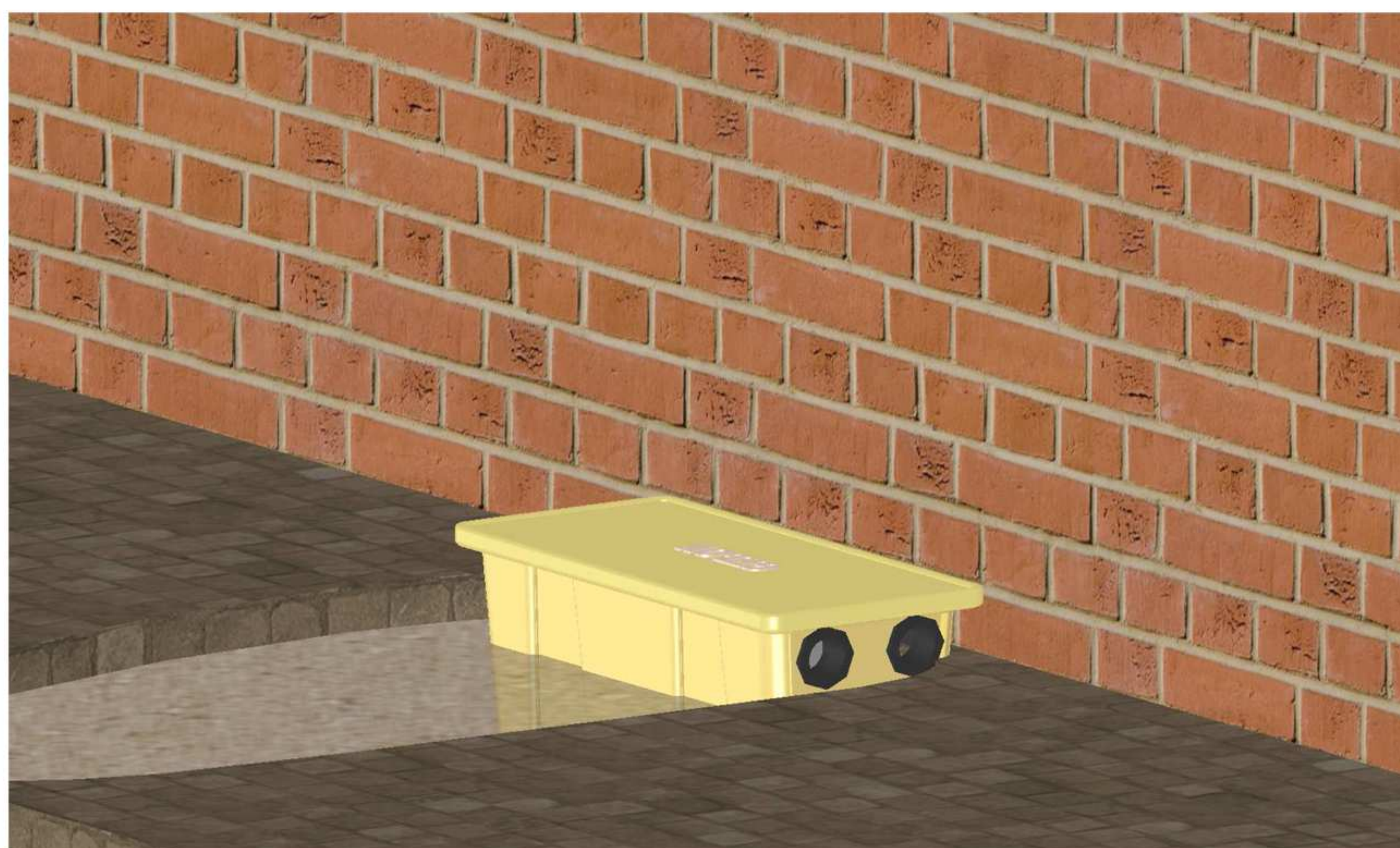
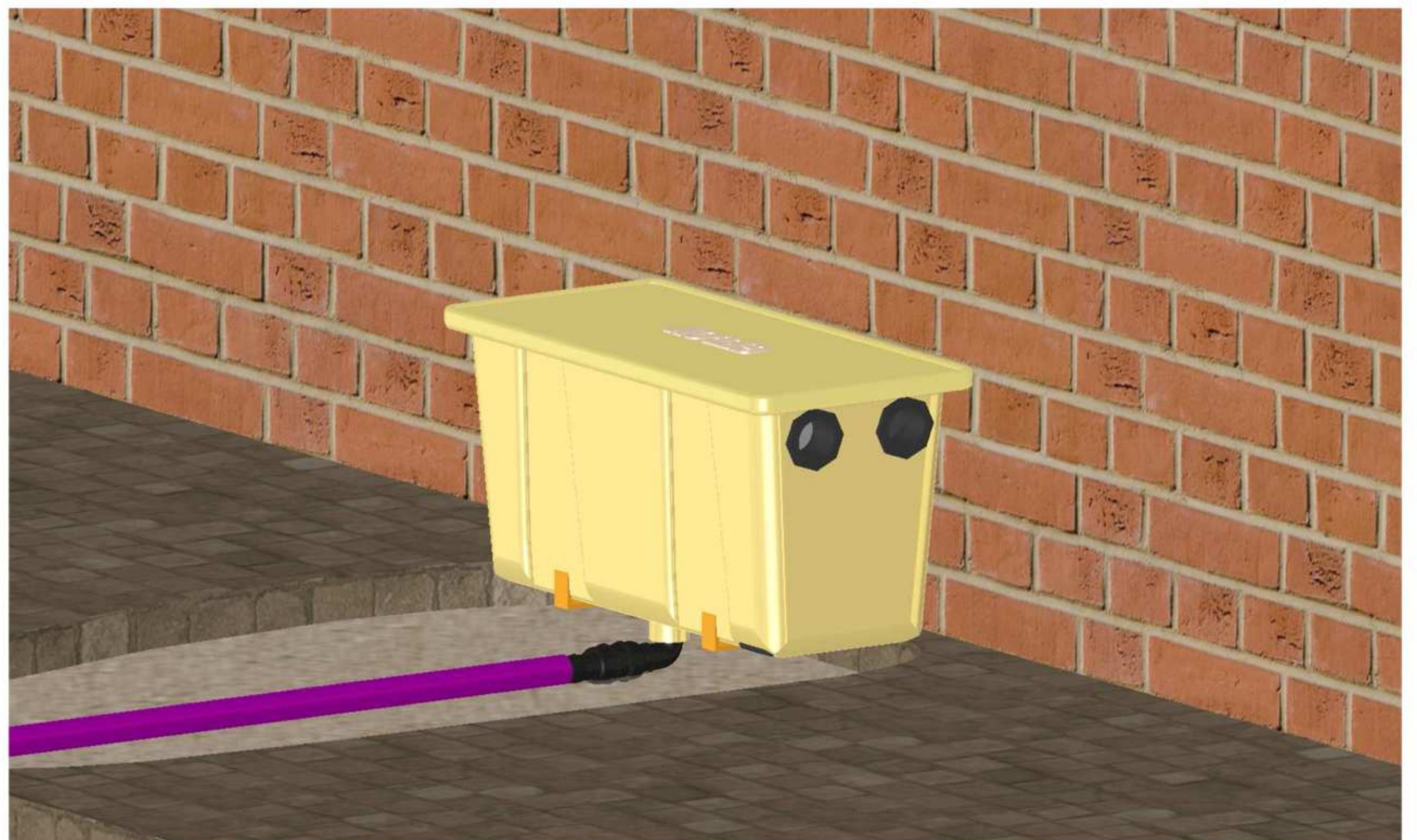


## ***Step One: G-Flow Tank Positioning***



**Option 1:  
Wall mounted option**

**Option 2:  
Above ground option**

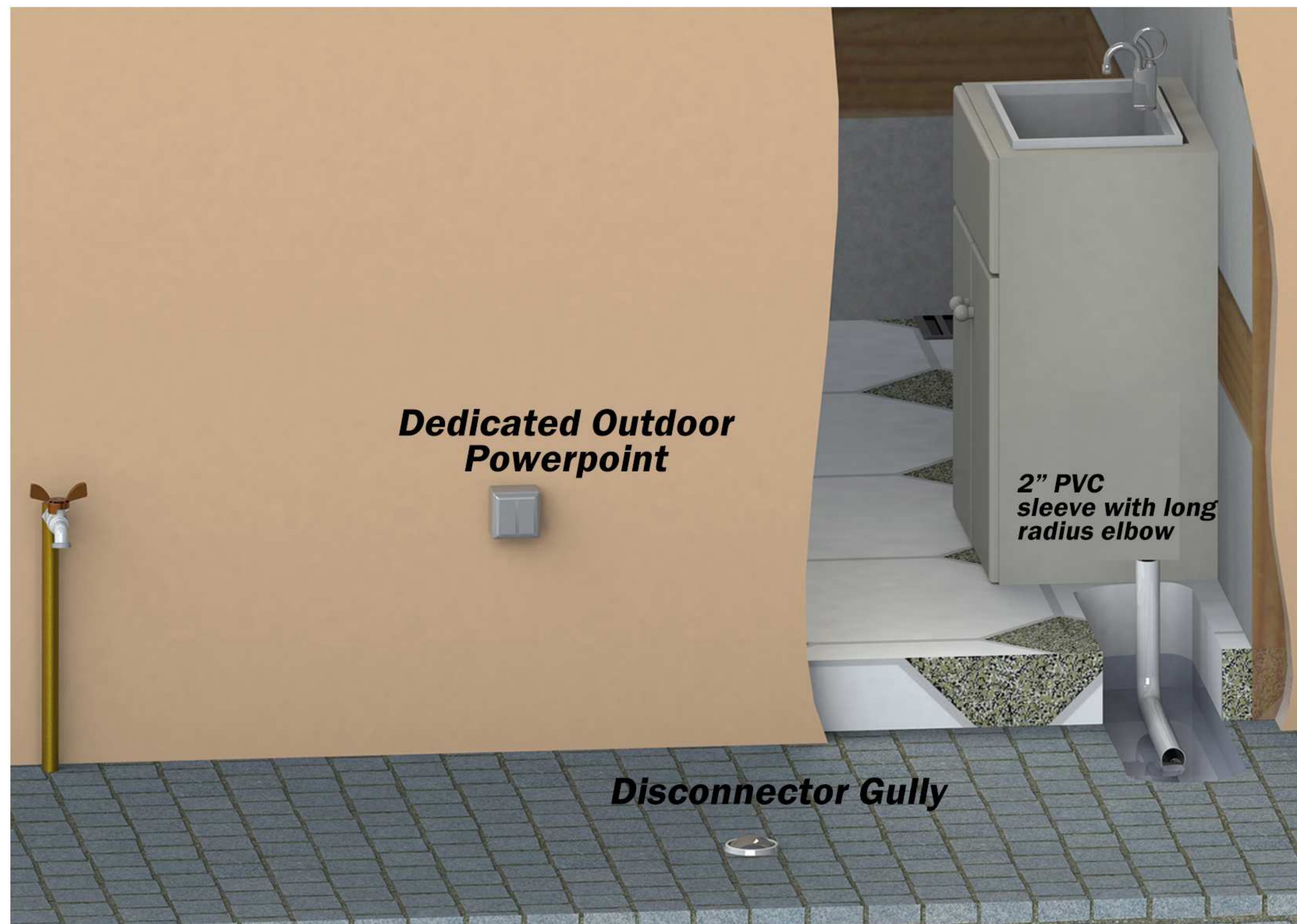


**Option 3:  
Partially buried option  
(in paving or garden bed area)**

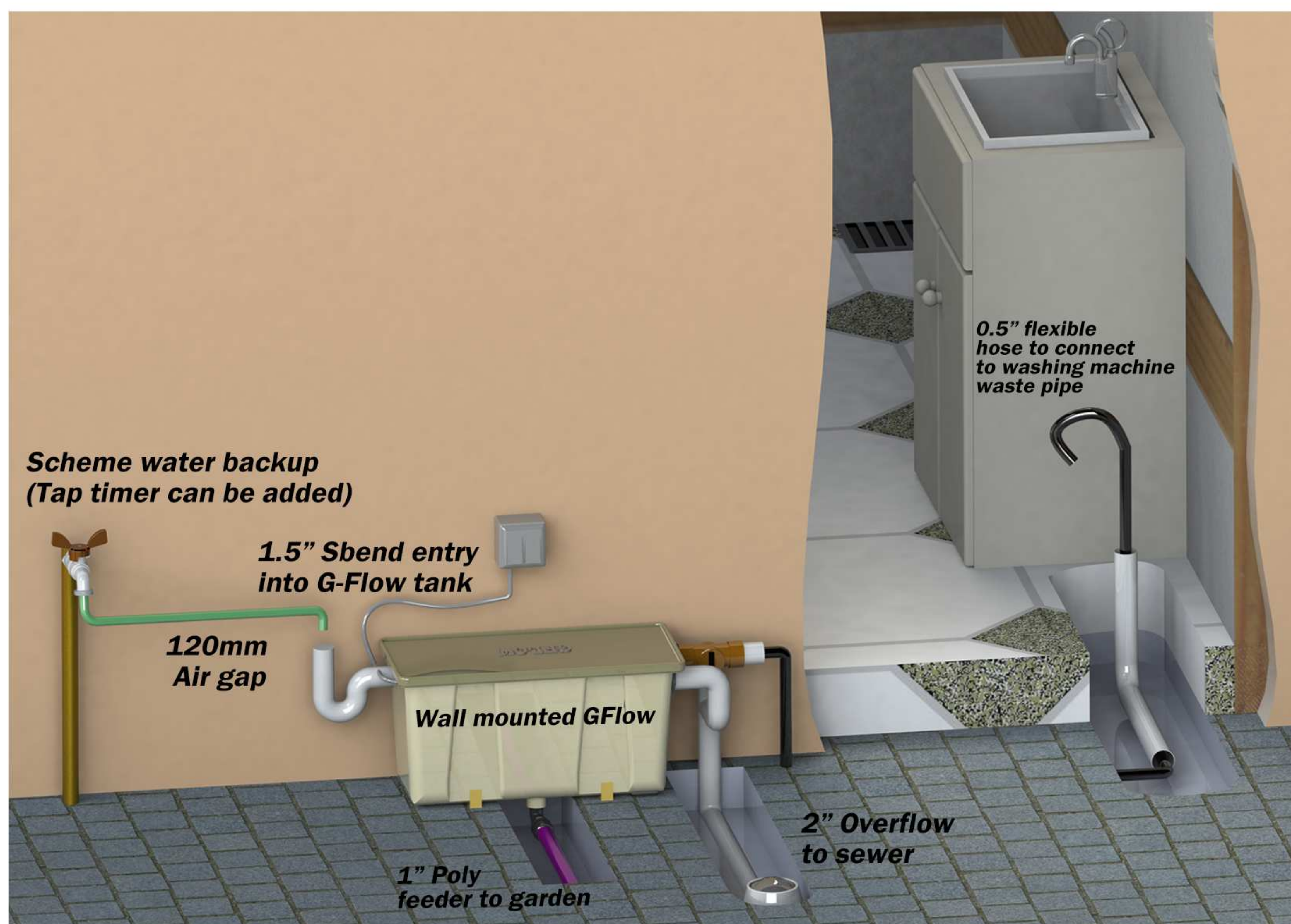


# Tank Positioning for New Homes

## Stage 1: Getting the house G-Flow ready



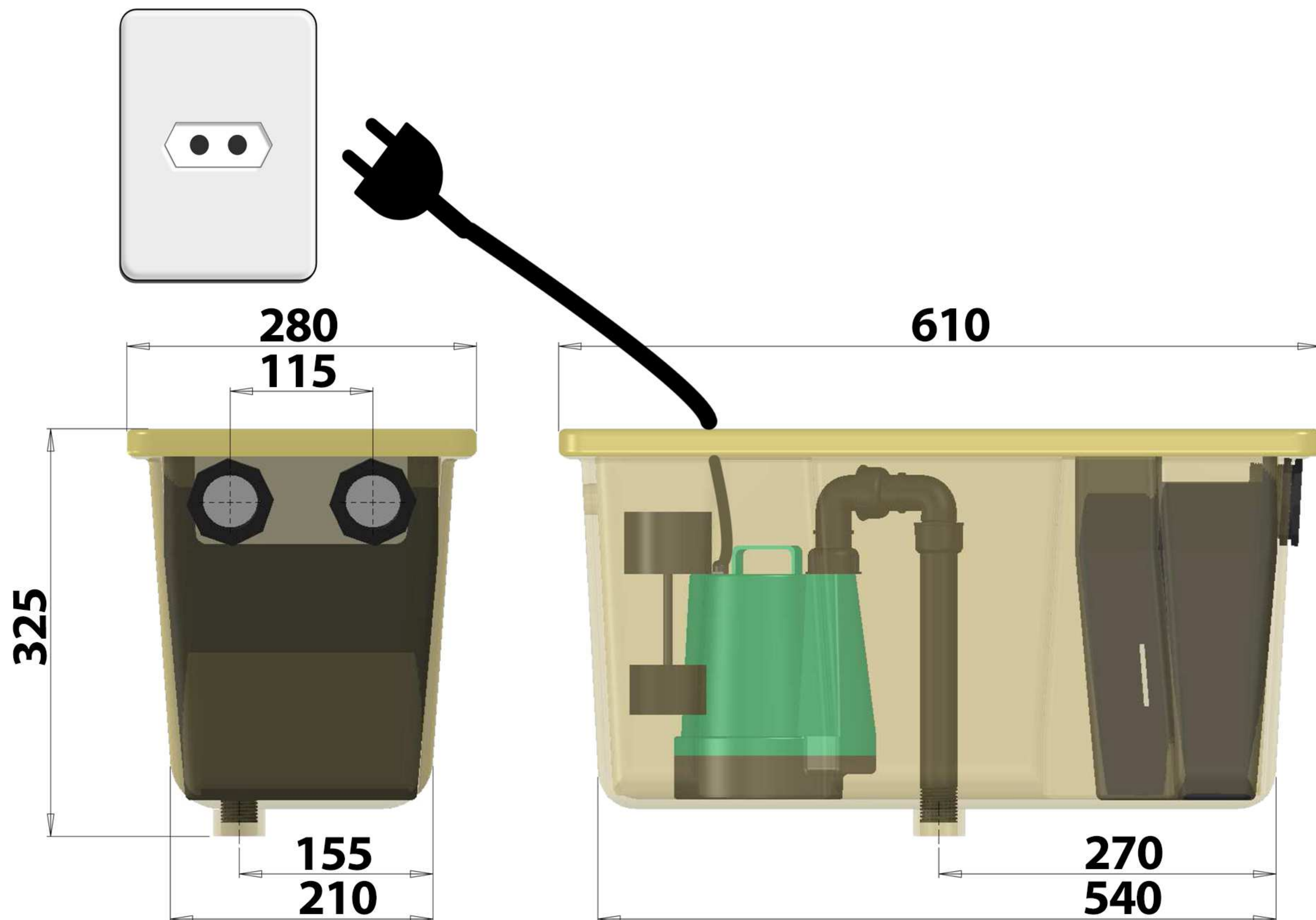
## Stage 2: Installing the G-Flow system & the irrigation components (Preferably before paving work)



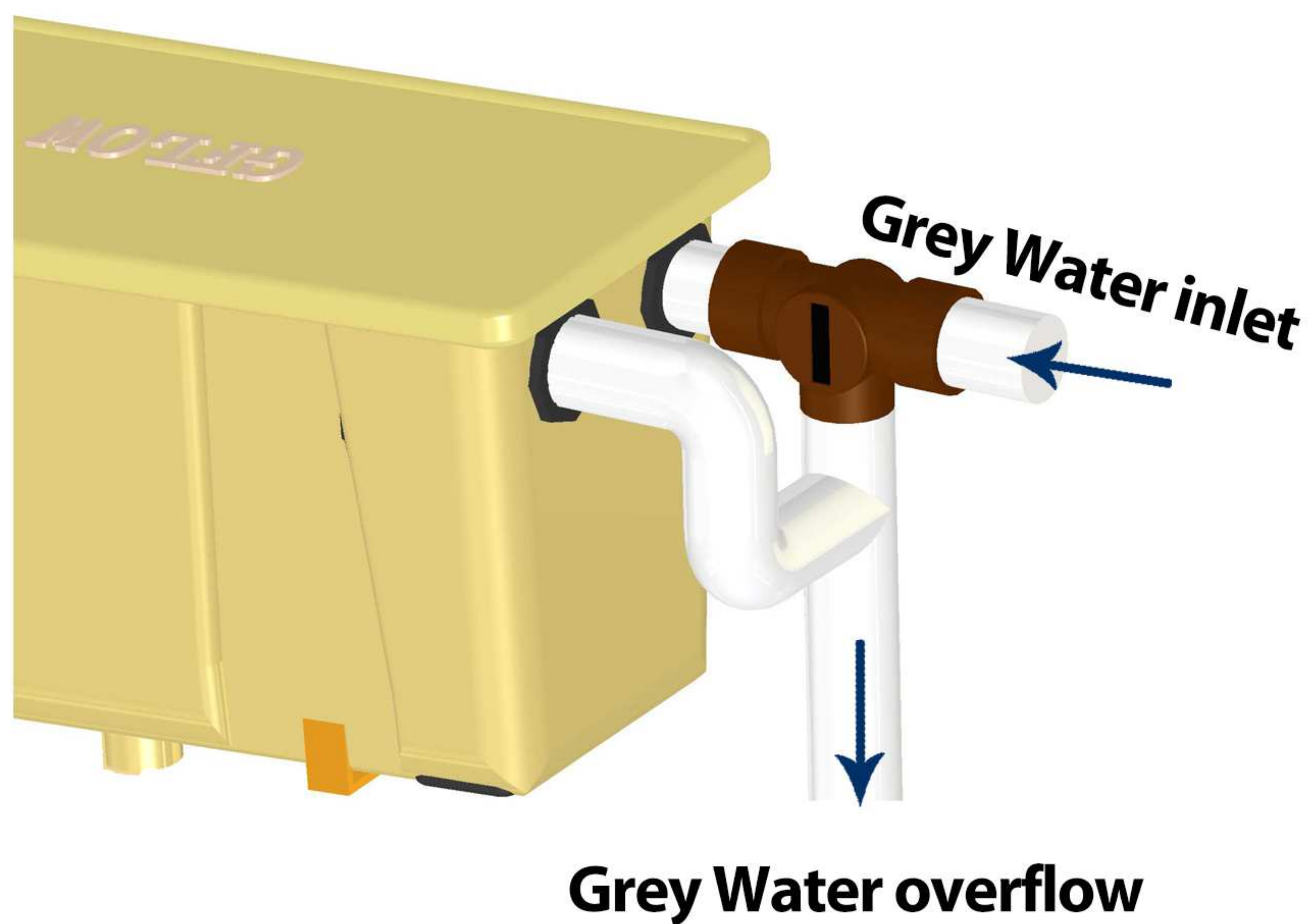


## Step Two: Plumbing and power connection

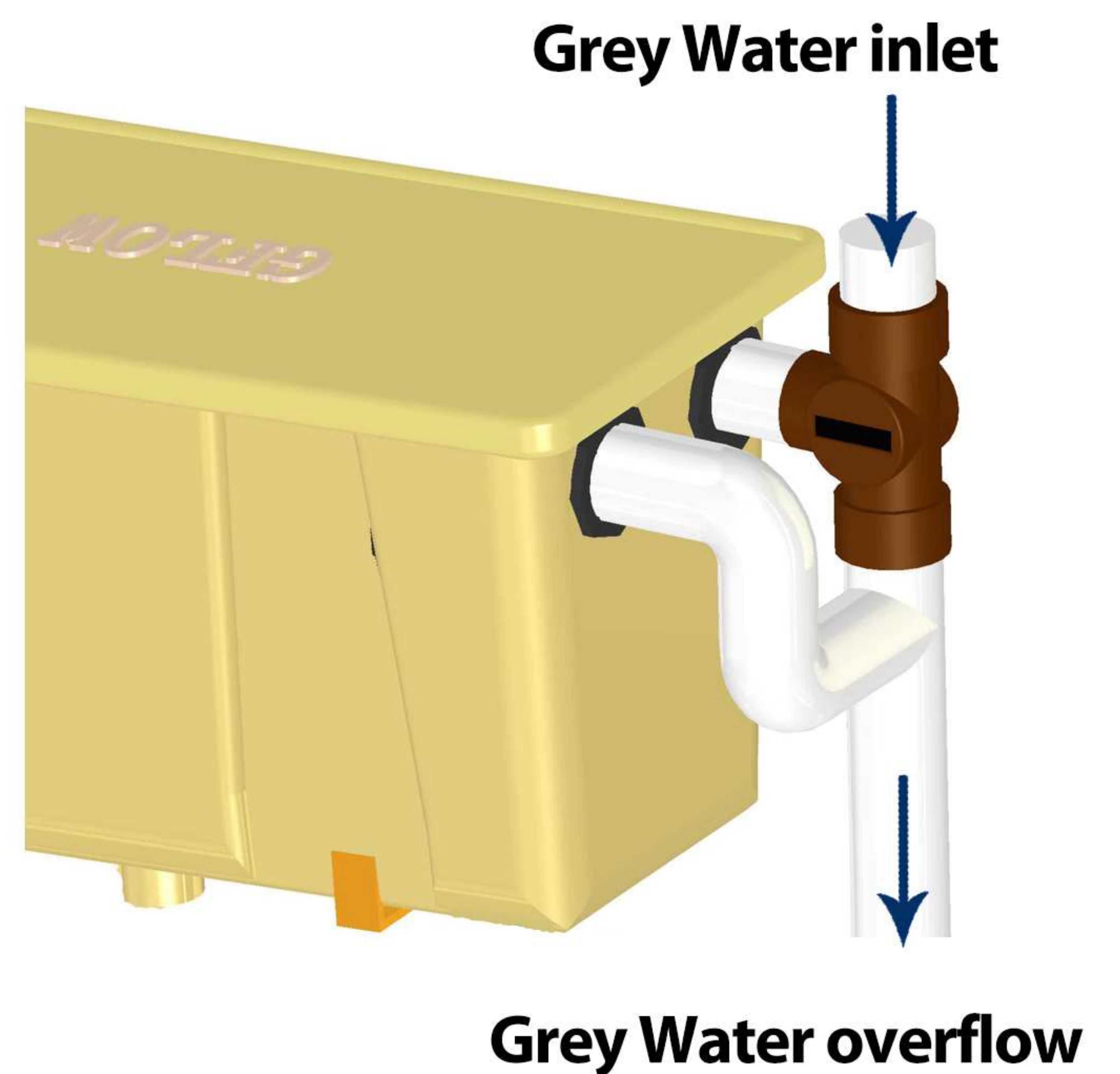
### Outdoor GPO



### Option 1:



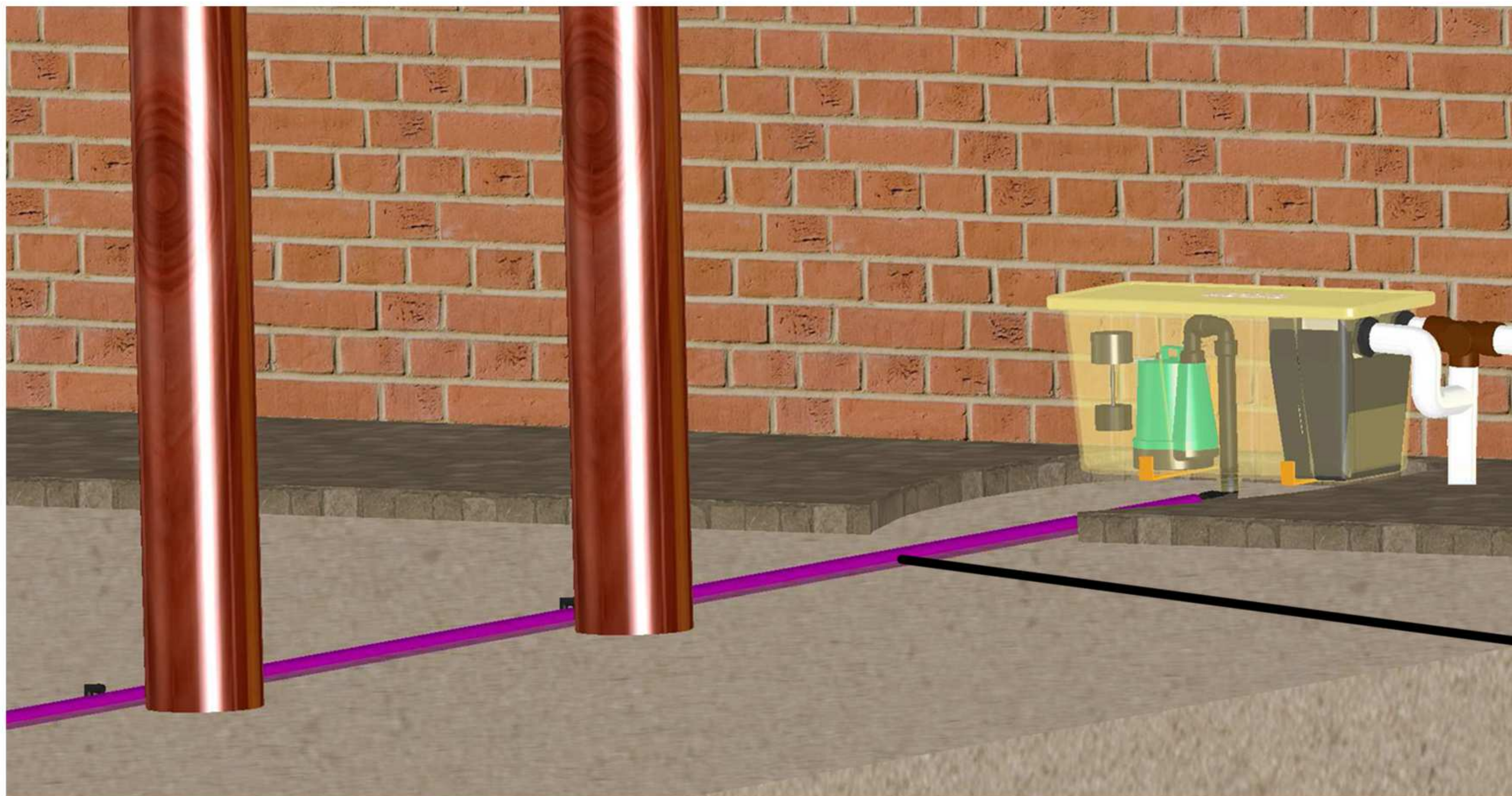
### Option 2:





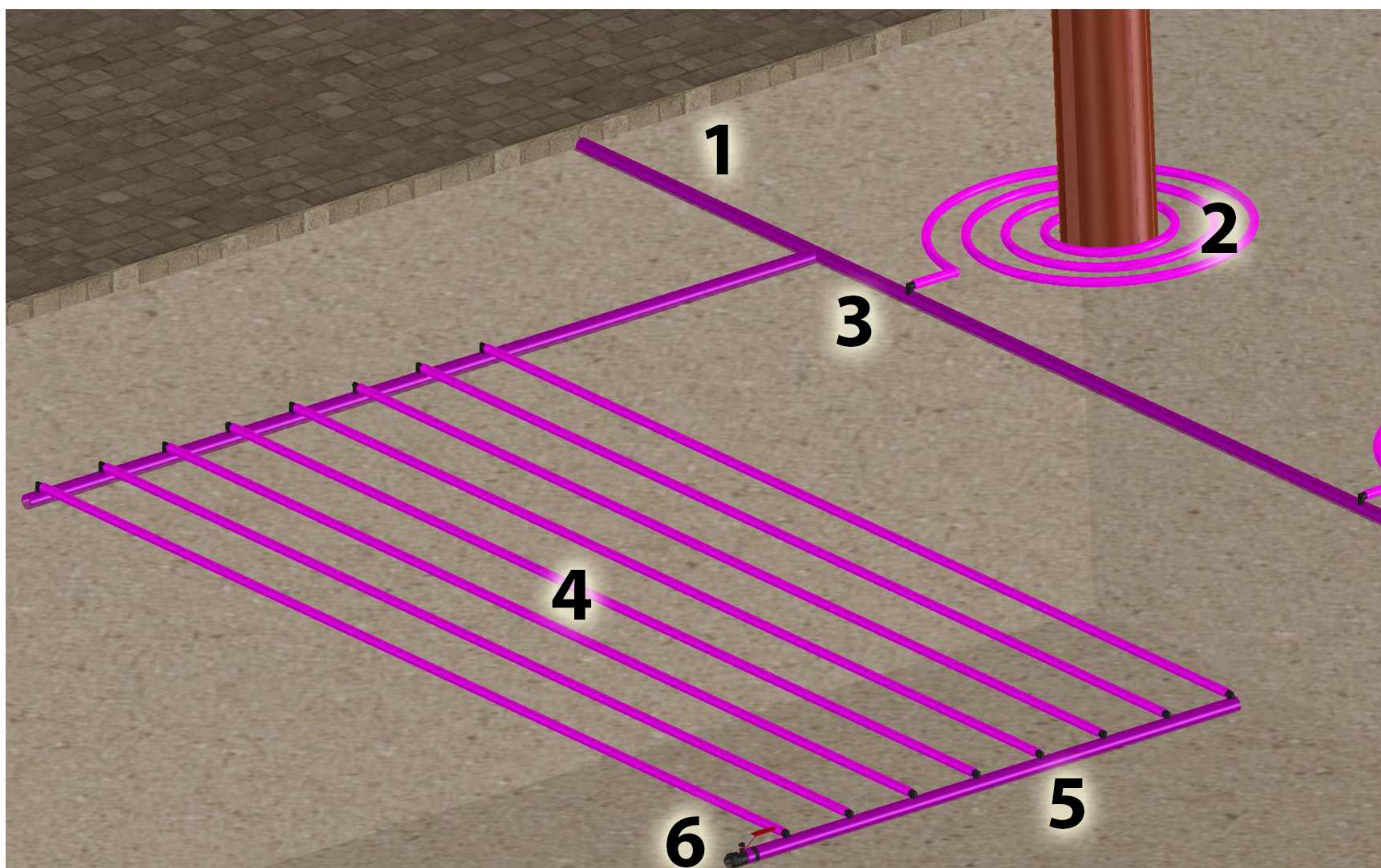
## Step Three: Installing the Irrigation System

### Option 1: Single Station G-Flow with GF Drip-Tube Kit



Minimum pipe  
size 1"

### 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*



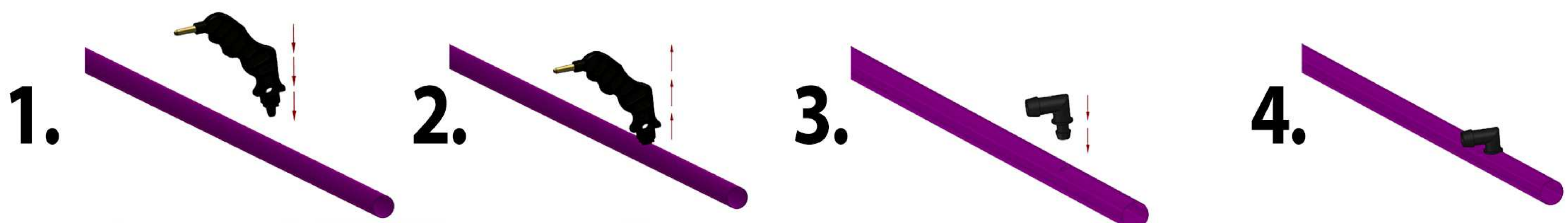
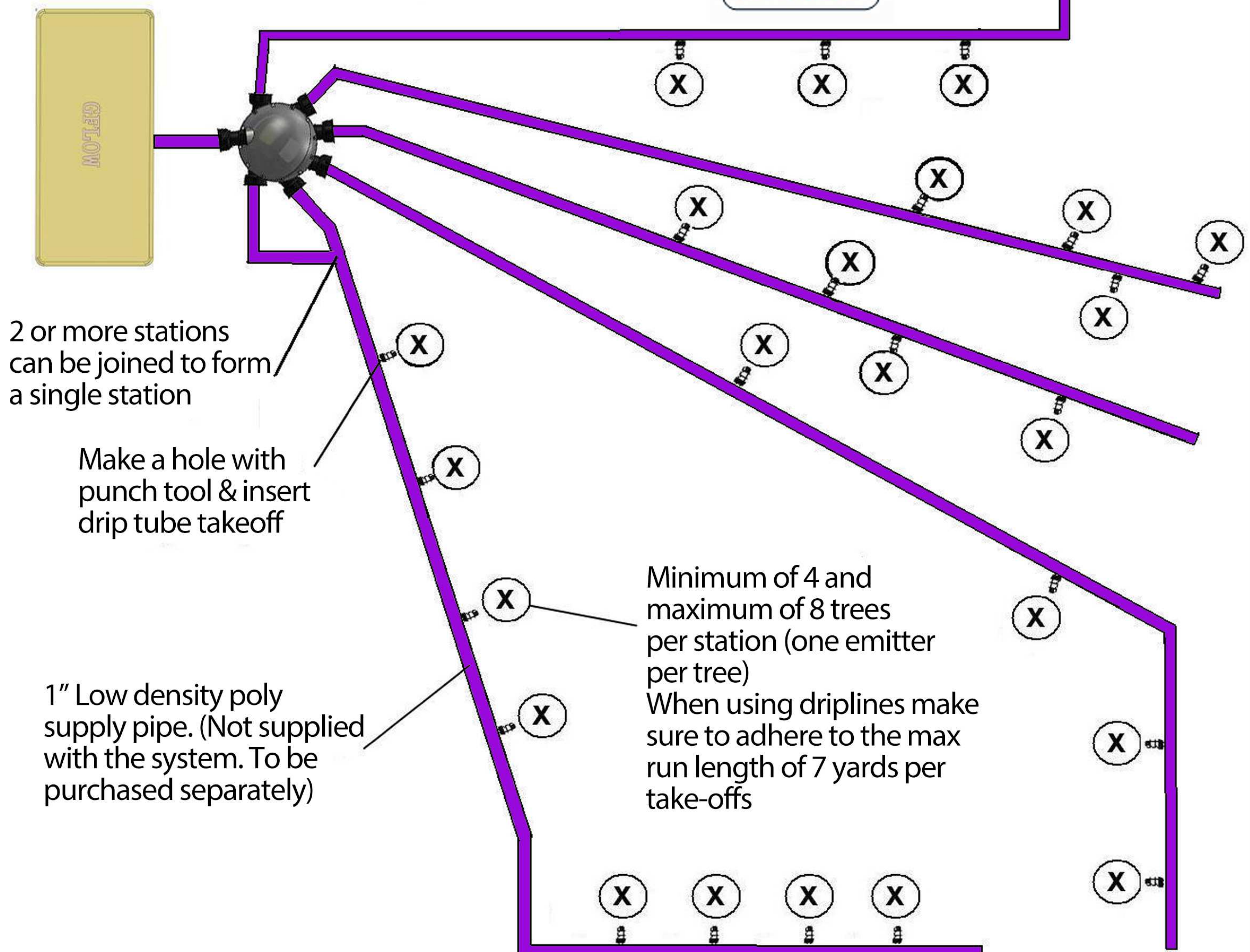
## Step Three: Installing the Irrigation System

### 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

GREY WATER  
IN USE ON  
THIS PROPERTY



"moving water"



## **Maintenance**

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

### **The following maintenance steps should be carried every 3 months and not less than once every 6 months:**

- Open top cover of the G-Flow tank
- Remove the filter basket with the primary sponge filters and wash thoroughly in a bucket, with a garden hose or in any basin not connected to the dedicated Grey Water line.
- Ensure that the bleed holes located at the base of the 1" riser are clear of debris and that the tank is able to drain out into the garden when the pump is not operating.
- Re-insert the filter basket in its original position, close the lid of the tank and the G-Flow System is ready to operate again.

### **The following maintenance steps should be carried out once a year:**

- Open top cover of the G-Flow tank
- Remove the filter basket with the primary sponge 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 with a garden hose and drain the tank using any of the two cleaning outlets.
- Disconnect the G-Flow pump and connect the supplied going away backup quick connector.
- Flush the Grey Flow emitters with fresh water for about five minutes.
- Re-insert the filter basket, reconnect the pump, close the lid of the G-Flow tank and the G-Flow system is ready to operate again.
- Top up mulch over the Grey Flow emitters to a minimum depth of 100mm.



# ***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. There 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 is 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.





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*"moving water"*