G-Flow System
GreyFlow Above Ground Series

OIM Manual
Operation - Installation - Maintenance

Grey Water Reuse System
☐ G-Flow (GFGF)

Two Year Warranty

WaterMark
ATS 5200.460
CERT WMKT 23323

“moving water”

www.greyflow.net.au
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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 striken 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

<table>
<thead>
<tr>
<th>Number of Bedrooms In the House</th>
<th>Assumed Number of People</th>
<th>Quantity of Grey Water Generated in L/day</th>
<th>Soil Types</th>
<th>Minimum Garden Area In Square m</th>
<th>Recommended Maximum area In Square m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Laundry Only</td>
<td>Whole of House</td>
<td>Laundry only</td>
<td>Laundry only</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>120</td>
<td>300</td>
<td>Sandy</td>
<td>12 30 24 60</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>160</td>
<td>400</td>
<td>Sandy</td>
<td>16 40 32 80</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>200</td>
<td>500</td>
<td>Sandy</td>
<td>20 50 40 100</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>240</td>
<td>600</td>
<td>Sandy</td>
<td>24 60 48 120</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>280</td>
<td>700</td>
<td>Sandy</td>
<td>28 70 56 140</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>320</td>
<td>800</td>
<td>Sandy</td>
<td>32 80 64 180</td>
</tr>
</tbody>
</table>
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
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)
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:

Grey Water inlet

Grey Water overflow

Grey Water overflow
Step Three: Installing the Irrigation System

Option 1: Single Station G-Flow 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

*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

2 or more stations can be joined to form a single station

Make a hole with punch tool & insert drip tube takeoff

1” Low density poly supply pipe. (Not supplied with the system. To be purchased separately)

Minimum of 4 and maximum of 8 trees per station (one emitter per tree)
When using driplines make sure to adhere to the max run length of 7 yards per take-offs

1. [Diagram]
2. [Diagram]
3. [Diagram]
4. [Diagram]

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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 of implied warranties; Limitation of remedies

1. All implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to one year from the date you purchased the product.

2. Neither AWWS 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 AWWS 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 AWWS 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, AWWS's entire liability shall be limited to the actual purchase price you paid to the retailer 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 AWWS or any authorized representative of AWWS 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 AWWS 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 the 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 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.