STEP-BY-STEP ASSEMBLY GUIDE

GREEN CIRCLE GARDEN - INSTRUCTIONS

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PART 1 - RESERVOIR ASSEMBLY

Please follow the following step-by-step guide to fit-out your Green Circle Garden.

The Instructions are split into two parts, the RESERVOIR ASSEMBLY consisting of Inlet Water Valve, Side Outlets, Overflow and the TRAY ASSEMBLY which includes, Wicks, Absorbent mat and Drainage System.

FIG 1 Assembled Reservoir System including Water Inlet Valve, Side Outlets and Overflow

1.1 WATER INLET VALVE ASSEMBLY

Fix the Inlet Water Valve Assembly as FIG 2 so as to allow 6 visible threads beyond the O-Ring (8). Adjustment is made by turning the Hexagonal Nut (3) located on the inside of the Planter. Brass Nut (6) must be then tightened by hand and then only ¾ of a turn with a spanner to secure. Do not over tighten. Ensure the float acts up and down vertically and fit the Cap (9)

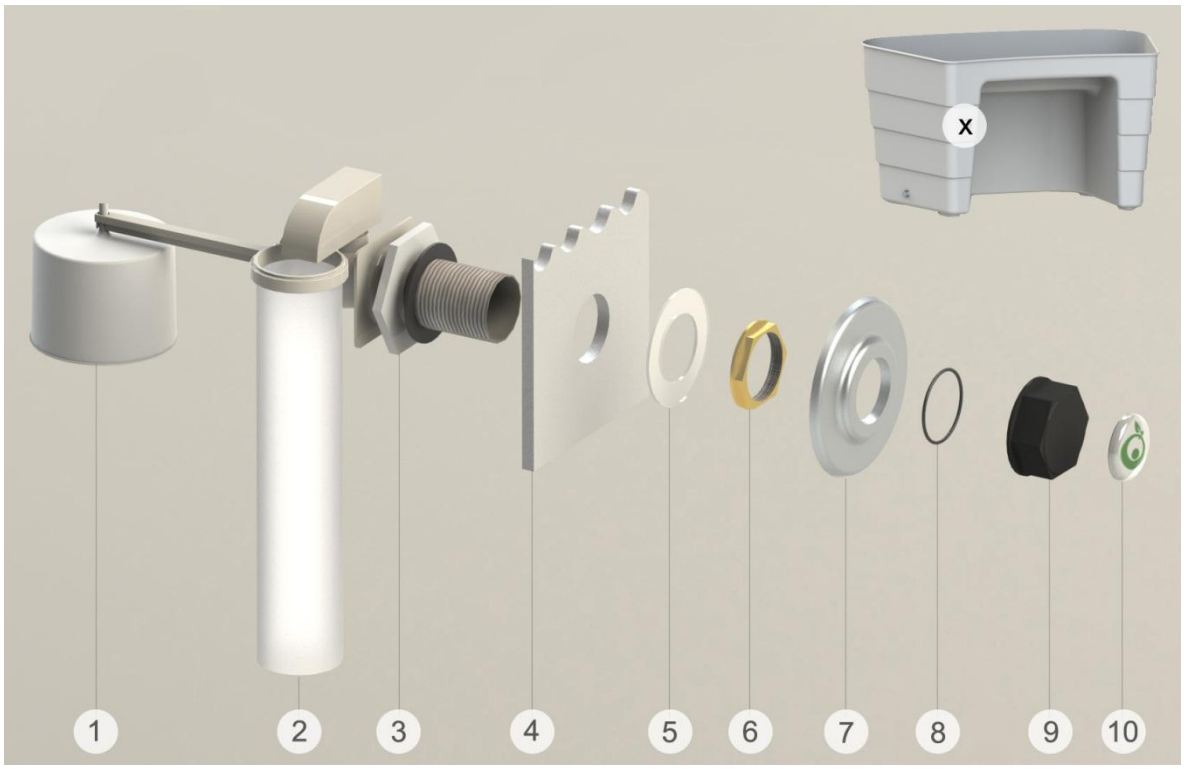


FIG 2. Water Inlet Valve

KEY

1. Float
2. Water Entry
3. Adjustment Nut
4. Planter Wall
5. Nylon Washer
6. ½" Brass Nut
7. Stainless Steel Embellisher
8. ¾" O-Ring
9. Cap + ½" Washer
10. Sticker

1.2 FITTING OVERFLOW

Screw into the underside of the container (X) the Chrome bend (3) and leave in position with the opening downwards.

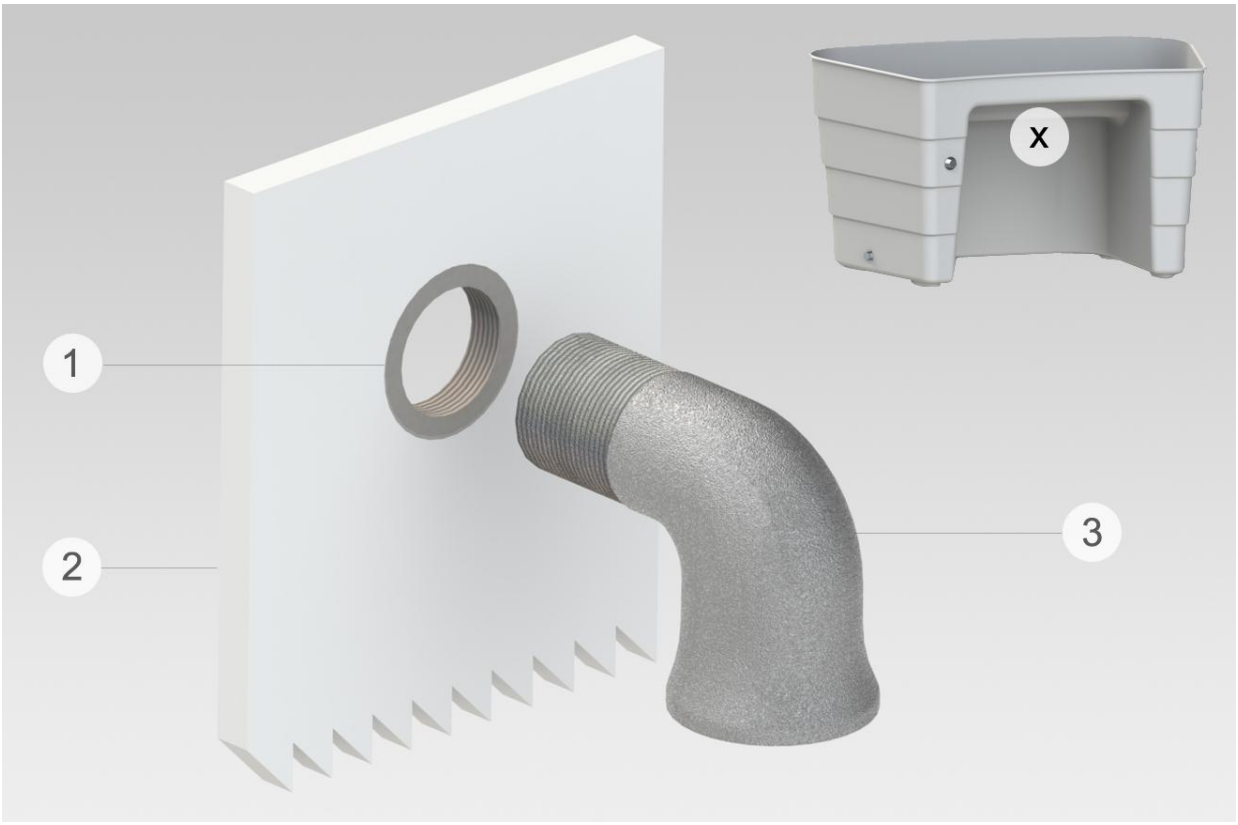


FIG 3. Overflow Assembly

NOTE: Any overflow water not required to fall under the unit can be diverted or piped by connection to the ½" female thread provided.

KEY

1. ½" Threaded Insert
2. Planter Wall
3. ½" Chrome Bend

X Fitting Area

1.3 SIDE OUTLETS

The two assemblies can be fitted to the bottom openings either side of the unit. The Nipple (2) should be secured to the Planter (1) using the tape provided and final tightening with a spanner. *Do not over tighten*. Now fix the embellisher, retaining O-Ring (4) and Cap (5). Lightly grease the threads and tighten ¾ turn.

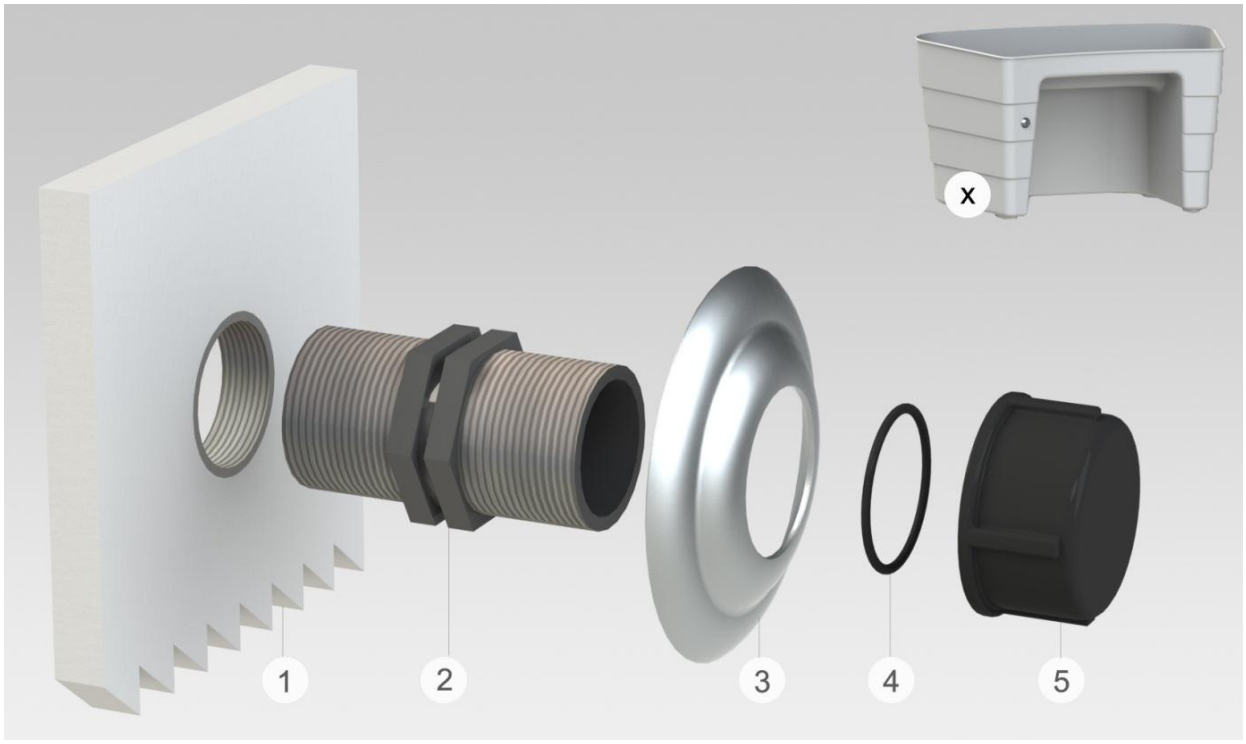


FIG 4. Side Outlet Assembly.

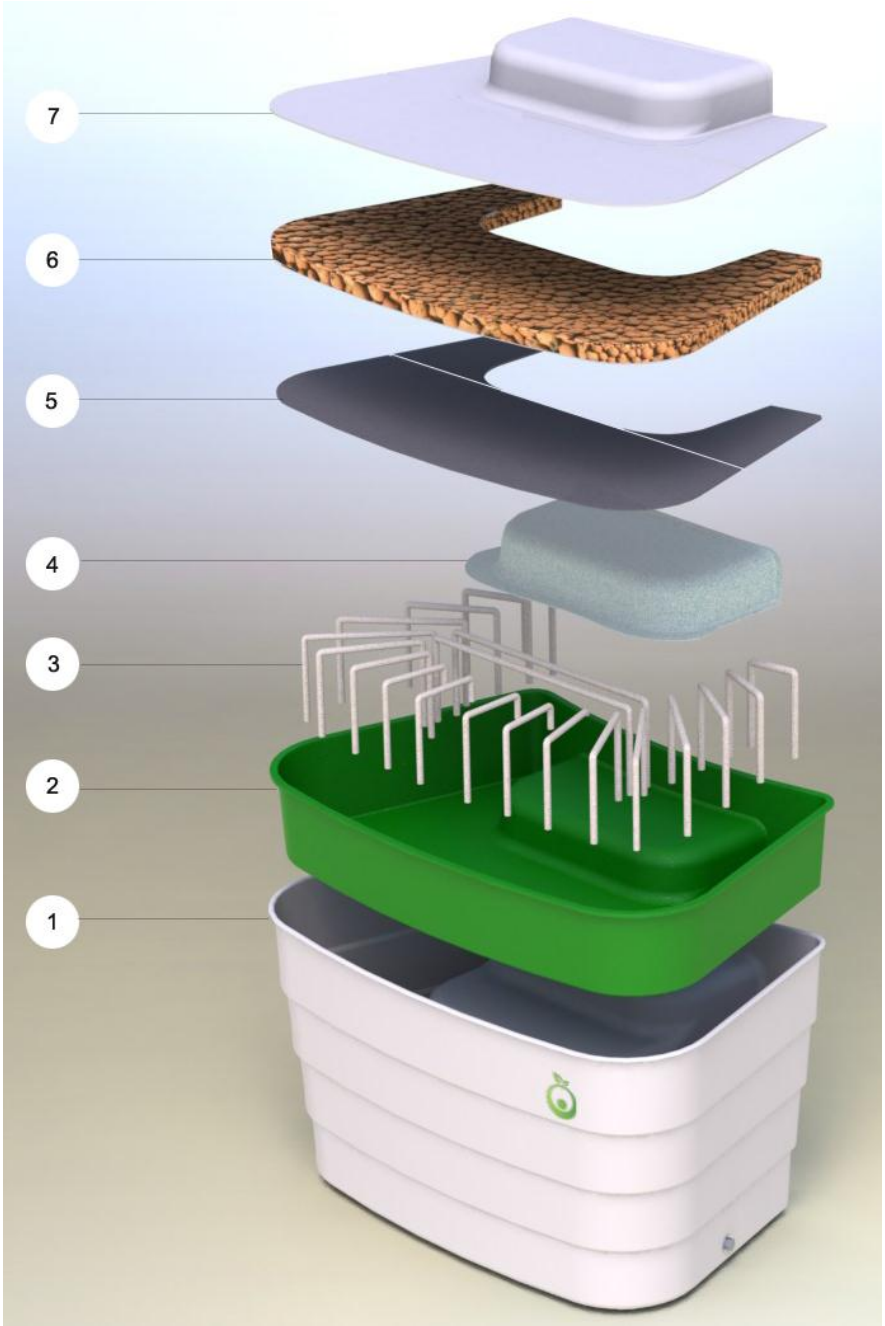
KEY

1. Planter Wall
2. ½" Nipple
3. S/S Embellisher
4. O-Ring
5. ½" Capping Nut + Washer

X Fitting Area

NOTE: The side outlets are fitted to allow connection of the units one to another, and if required units may be drained by suction through the grey Dip-Stick tube.

PART 2 - ASSEMBLY AUTO-IRRIGATION SYSTEM



KEY

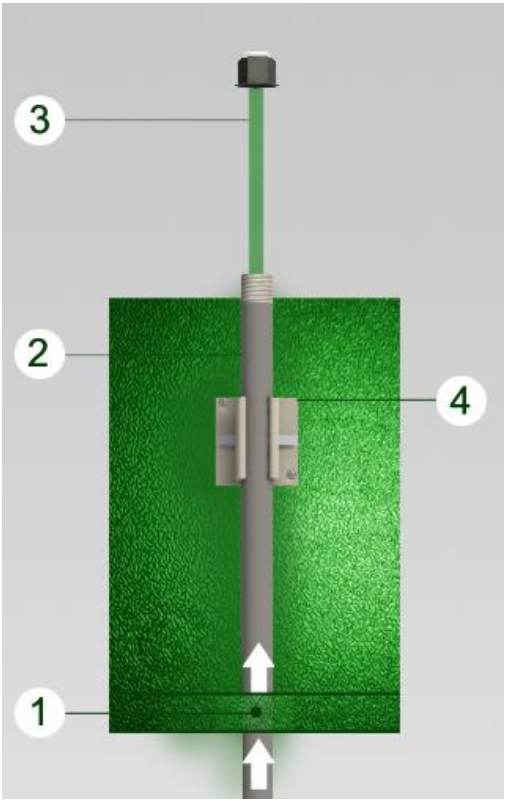
1. Reservoir
2. Tray
3. Wicks
4. Abosorbent Mat A
5. Absorbent Mat B
6. 8 gal Clay Pebbles
7. Geo-fabric

FIG 5 Exploded view of provided parts and their order of assembly

2.1 Check that the surface where the unit is to be placed (X) is reasonably level and free of any sharp objects. Make good with soil or sand to insure that the unit does not rock when in the required position. Use coarse sand on soft bases and soft on hard. Locate base of unit in exact position required using spirit level for final check.

FIG 6. Place Planter on level surface

2.2 Unscrew Dip-Stick (3) and insert the Pipe (2), threads first, into the underside of tray (see FIG 7). Replace Dip-Stick. Install the top tray carefully locating the Dip-Stick Pipe so it fits within the foot recess at the bottom of the Planter and ensure that the Tray fits snugly over the base. Snap the Pipe-Clip onto the Dip-Stick tube, remove the backing paper and locate at a position 3" down from Tray Wall. Then use the two self-tapping screws to fix in place.



KEY:

1. Tray Wall
2. Dipstick Pipe
3. Dip-Stick
4. Pipe-Clip

FIG. 7 Dip-Stick Assembly

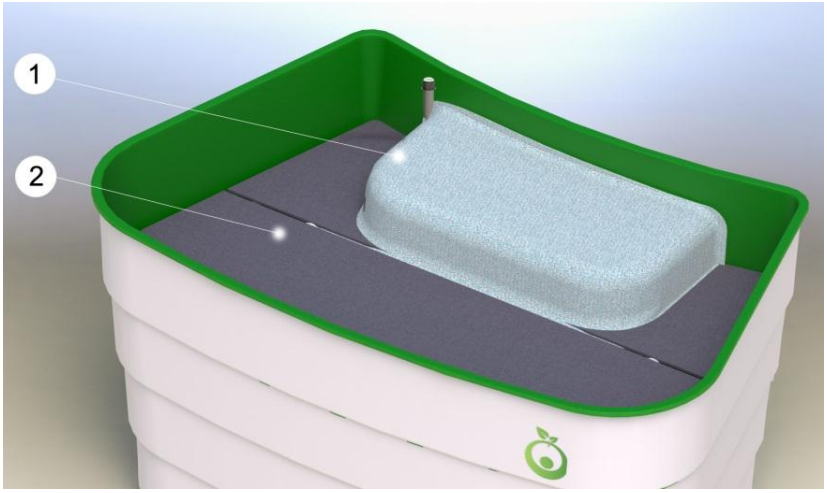
2.3 The pre-cut wicks supplied (1) consist of 16 (3.2ft) and 4 (5ft lengths). Holding each in the middle with one hand, lower these through the drainage holes as indicated in the diagram so that equal lengths suspend through the tray. Take particular care to ensure that the wicks located near the valve hang down freely and do not come into contact or obstruct the float in any way.

KEY:

1. ½" Wicks
2. Dip-Stick Position

FIG 8. Wick Placement (Top View)

2.4 Place Absorbent Mat A (1), green side uppermost over the raised section of the tray. Then place Absorbent Mat B (2) over the bottom letting it extend evenly up to the sides, overlapping any of the bottom part of the "green" Absorbent Mat A. Some "rucking" or overlaying over the bottom of the raised section is acceptable.



KEY:

1. Absorbent mat A
2. Absorbent mat B

FIG 9. Placing Mat A before Mat B

2.5 Flatten Absorbent Mat B and cover evenly with 1”-1 ½” depth of Clay pebbles (1). Use all the quantity provided.

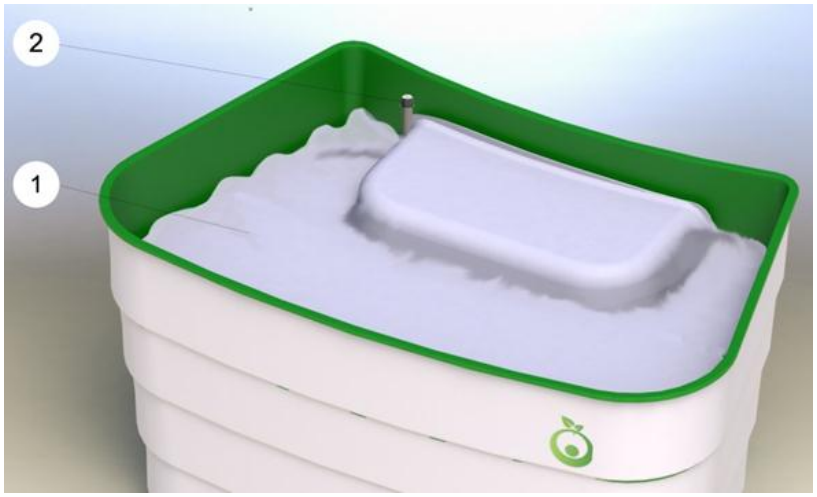
KEY:

1. Clay Pebbles
2. Watering can.

FIG 10. Fill tray with 8gal of Clay Pebbles provided.

NOTE: Using a watering can (2), saturate the whole of the grey cloth area with approx 2 gallons of water. This is to preload the cloth and wicks with moisture.

2.6 Finally lay the Geo-Fabric over the whole of the prepared tray. This ensures that the growing medium does not come into contact with the drainage layer of Clay pellets and that the soil can be changed when necessary without disturbing the layers underneath.



KEY:

1. Geo-Fabric
2. Dip-Stick

FIG 11. Layer Geo-Fabric over Pebbles

2.7 Check Again the unit is level and in the exact position required and is evenly supported on its 4 feet. Commence filling with water using a garden hose attached to the filling point located near the top of the unit on the left hand side behind which is the Water Inlet Valve.. The tank is full when the the sound of water entering the unit has stopped OR by checking the Dip-Stick top level hole. Remove the hose attachment and replace with the Capping Nut, hand tight only. Filling time will vary according to mains pressure and flow and may take up to 20 minutes but the Green Circle Planter will shut off when full. *Should water escape from the overflow point (Diagram X) the valve should be examined before filling the Planter with top Soil.*

NOTE: Under no circumstances attempt to move the Planter when filled with water or soil.

KEY:

1. Hosepipe Fitting
2. Dip-Stick

FIG 12 Filling up Reservoir

2.8 The tray is now ready to be filled with 8 cu.ft. of high quality growing medium or soil for containers (1) which will have been chosen for its suitability for the plants to be grown.

KEY:

1. 8 cu.ft of High Quality Soil

FIG 13. Fill to maximum height and pat down.

2.9 Until the plants have established their roots in their new location and begin to sense that moisture lies below, usually 3 weeks, they should be watched for any wilting of leaves, indicating need for irrigation. Use a watering can. Thereafter the container will self-irrigate. When the Dip-Stick shows the water level at or below the lower “hole” connecting a garden hose to the water inlet and filling from the main is necessary. In outside locations, in temperate zones, normal rainfall will make good the water level. Units can be permanently connected to the mains with suitable plumbing for arid conditions to avoid the need for reference to the Dip-Stick.

For any further information feel free to contact us at **www.greencirclegarden.com**