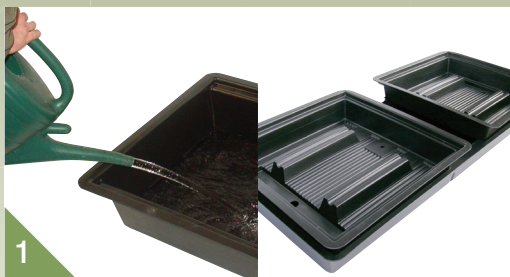




TWIN AMAZON ASSEMBLY AND OPERATING INSTRUCTIONS



1

Place the nutrient tank in position making sure that it is level. Fill with water to the maximum level indicator (100 litres). Place both the chambers into position with the lowest drain points at either end of the tank.



2

The Twin Amazon delivery assembly kits are packed flat. Turn the side arms at the blue elbow joints so the sprinklers point up.

Turn the centre bar so the pump connector points down. The arrows in the sprinklers should also be pointing straight up.



3

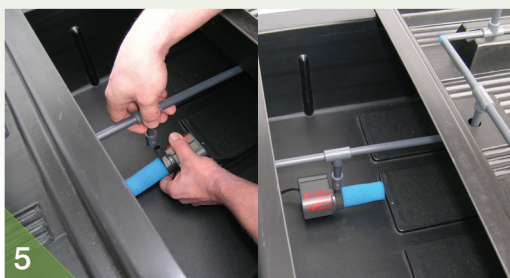
Fit the strainer and foam filter to the pump inlet. Make sure the pump outlet is at 90 degrees to the main body of the pump. Move the foot and sucker to the bottom of the pump so the pump outlet is upright.



4

Place both delivery assemblies in position with the side arms resting on the raised grooves in each chamber base.

Feed the pump connectors through the holes in each base into the nutrient tank.



5

Fit the pump outlet to the connector in the middle of the T bar. It is a tight fit and may require some force. Attach the pump connector on each delivery system to each end of the T bar. You will probably need to lift both chamber bases slightly to put the pump into position. Secure it to the bottom of the nutrient tank with the rubber sucker.



6

Place each chamber lid into position. Plug the pump in to test, look through several holes to ensure that all 4 sprinklers are working correctly in each chamber. Slide the tank cover in place to exclude light from the nutrient solution.



7

Carefully place your young plants in the holes (they should already be in net pots). If they have dangling roots (i.e. have been raised in an aeroponic propagator) turn them while inserting, this will guide the roots through without damaging them.



8

Add a fully balanced hydroponic nutrient according to the nutrient label instructions or growing schedule. Turn on the pump and top up your nutrient tank every few days.

PLACE THE TWIN AMAZON IN POSITION

Ensure that the Twin Amazon is placed on a level surface. If placed on a bench ensure that the base of the tank is adequately supported and that the bench can support the weight of the Twin Amazon when full.

FILL THE TANK

We recommend that you fill your reservoir with clean water (no nutrient) up to the maximum level indicator, 2-3 days before transplanting. This allows the water temperature to rise to room temperature and also allows time for chlorine to escape from tap water.

SETTING UP THE SPRINKLER SYSTEM AND FITTING SUBMERSIBLE PUMP

The sprinkler system is supplied flat-packed. Before attempting to place it into the Twin Amazon, it is necessary to open out the pipe work as shown in step 2. Check that all sprinklers are set to maximum flow as described in step 2.

The pump supplied is a Maxi Jet MJ 1000 (please keep pump instructions for future reference). The pump fits comfortably on the base of the tank in the "SIDE DOWN" position. Before use, turn the impellor housing 90° and fit suckers to the side panel as shown in step 3. Start pump and check that all sprinklers have 360° coverage. For pump maintenance see pump instructions.

ADD NUTRIENTS ACCORDING TO LABEL INSTRUCTIONS

Volumes for all Twin Amazon systems = 100 Litres / 22 Gallons

ADJUSTING ACIDITY

Use the pH test kit in accordance with the instructions provided.

GUIDANCE FOR PLANTING OUT TO THE TWIN AMAZON

Raise plants from seed as usual, or for best results use a Nutriculture aeroponic propagator. Only plants with healthy white roots on the outside of the propagation material should be transplanted. Propagation block should fit inside the mesh pots. If no propagation material is used ensure abundant white roots on the cutting before transplanting.

Transplants from a Nutriculture Aeroponic propagator will transplant directly without removing the mesh pot. Take care not to damage trailing roots during transplanting. Transplants produced in other propagation units will need to be placed in the mesh pots provided before being introduced to the Twin Amazon.

MAINTENANCE

There are no daily tasks associated with the Twin Amazon. In most areas frequent checking and adjusting will not be necessary, however at first check acidity frequently so that you get to know your Twin Amazon.

TOPPING UP WITHOUT AN EC METER

As the plant takes up water and nutrients, top up the Twin Amazon as required with nutrient solution at half the strength of the recommended dose rate. Change the solution completely about once per month.

TOPPING UP WITH AN EC METER

Top up with water only, allow one hour for new water to mix with old solution, then check the EC of the solution and add nutrients to bring the EC back to target EC. Change the solution completely about once per month.

EMPTYING THE TWIN AMAZON

Switch off the pump. Remove the delivery tube from the pump, fit the emptying tube onto the pump outlet and arrange so that the tube delivers the solution to waste. It is not necessary to drain the Twin Amazon absolutely dry. We recommend that as much waste solution as possible is drained off. The remnants may be soaked up with a sponge.

USED SOLUTION

Used hydroponic solution can be disposed of in the garden where it will be beneficial to outdoor plants.

SUBMERSIBLE HEATERS

Lay the heater on the base of the tank. Heater must remain submerged at all times.

USEFUL HINTS: THE MOST COMMON CAUSES FOR POOR GROWTH

- A) Plants placed in chamber far too early - ensure only strong healthy transplants are used.
- B) Heavy handedness with acid. Please be careful not to add too much. The acid provided is concentrated and it is always better to add too little rather than too much.
- C) Incorrect nutrient dose used.



KIT CONTENTS

COMPLETE KITS - supplied in kit box

1 x Tank
2 x Chamber
2 x Lid (either 4 pot, 8 pot or 16 pot)
1 x Tank cover
1 x MJ 1000 pump
1 x Sponge filter
1 x Delivery system
Mesh pots (either 8, 16 or 32)
1 x 125ml phosphoric acid
1 x pH test kit
1 x Emptying tube

BASIC KITS - components supplied bagged

1 x Tank
2 x Chamber
2 x Lid (either 4 pot, 8 pot or 16 pot)
1 x Tank cover
1 x MJ 1000 pump
1 x Sponge filter
1 x Delivery system
Mesh pots (either 8, 16 or 32)