

# Welcome to AutoPot

From the greenhouse in your garden to acres of commercial glasshouses; AutoPot can provide any grower of any ability with a watering system, large or small, that will far exceed their expectations.

Thanks to the AQUAvalve technology; AutoPot is the only watering system in the world where each individual plant controls their own irrigation and receives fresh nutrient enriched water exactly when they need it.

By consistently meeting the plants requirements, growers using AutoPot achieve even growth across the entire crop.



## Why use our watering systems?

- ▶ Healthier, heavier yielding plants that receive fresh feed whenever they need it
- ▶ No more daily watering, the system can be left unattended for weeks
- ▶ All our systems operate without electricity, pumps, timers or mains water
- ▶ Proven to be one of the most water efficient irrigation systems worldwide
- ▶ Environmentally sustainable, no water is ever lost
- ▶ Can be used to grow any crop variety; edible or ornamental
- ▶ Adaptable and easily extended in minutes

AutoPot makes growing as simple as it can be... less effort bigger yields

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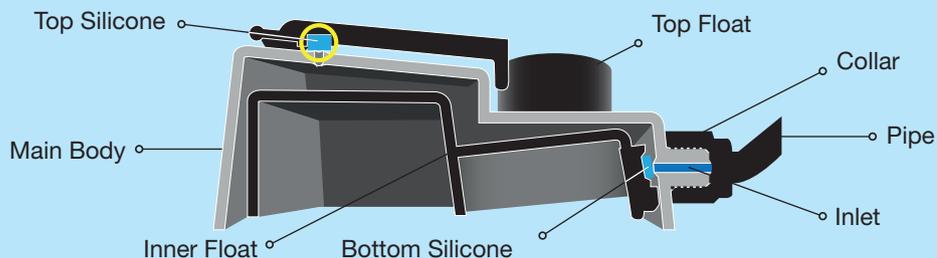
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As used by 13-time  
RHS Chelsea  
Gold Medal Winner  
Medwyn Williams

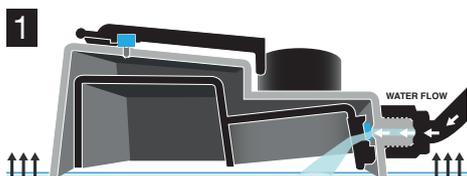
**MEDWYN'S**  
of Anglesey

Onions in AutoPot 1Pot XL Modules - grown by Medwyn's of Anglesey

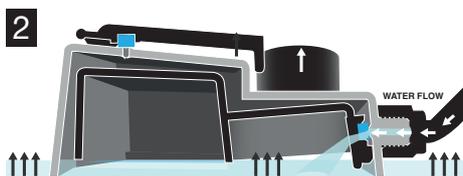
## Anatomy



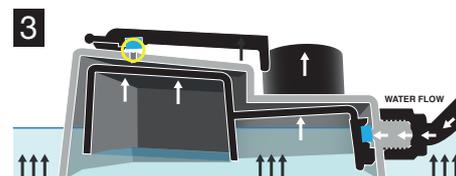
## Operation



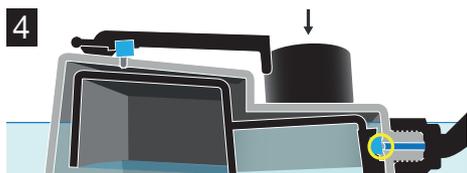
Once the AQUAvalve is positioned in a tray and connected to the water supply and the tap is turned on, water will begin to flow into the tray through the AQUAvalve nozzle. The Inner Float will rise a little but the Top Float will remain in position, keeping the hole sealed on the Main Body and preventing the Inner Float from rising further.



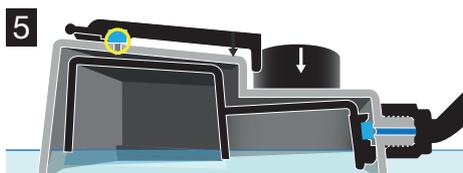
Trapped air inside the Main Body is unable to escape as the silicone in the Top Float is creating a seal on the Main Body, water continues to enter into the tray as the Inner Float is unable to shut off due to the trapped air.



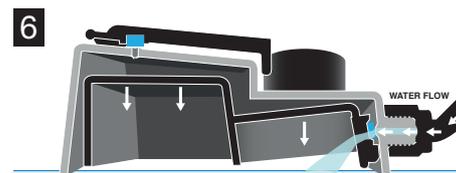
Once the water reaches 20mm / 1" (half way on the AQUAvalve collar) the Top Float will lift allowing the trapped air inside the Main Body to escape and simultaneously the Inner Float will rise and cut off the incoming water.



As the plants consume the nutrient solution the Top Float begins to drop back down re-sealing the hole on the Main Body creating an air tight seal.



The sealing of the Main Body ensures that there is an air tight seal which in turn creates a vacuum inside the Main Body, this prevents the Inner Float from dropping and preventing any further nutrient solution from entering.



Once the nutrient solution drops below the Main Body of the AQUAvalve the surface tension of the water around the AQUAvalve Main Body will break, this can take up to an hour. The vacuum in the Main Body is then released and the Inner Float drops to a position where the inlet can reopen and the filling process begins again.

## Tips

- ① When connecting 9mm / 3/8" or 16mm / 1/2" pipe always ensure that the end of the pipe is dipped in hot water first, this will soften the pipe and allow you to connect fittings with ease.
- ② When using AQUAvalve in modules always ensure that the AQUAvalve is pushed firmly onto the Tee section in the tray.
- ③ When potting up, use a small brush to remove any soil stuck to the sides and bottom of the pots before you place them in the tray. This will ensure the tray and AQUAvalve are kept clean and free of floating growing medium.
- ④ Ensure both silicones are in the correct position before use, simply adjust with your fingers.

# AQUAvalve<sup>5</sup>™

- ▶ Now featuring a 5mm inlet - 66% bigger than before
- ▶ Faster flow, quicker fill and reduced risk of blockages
- ▶ Supplied as standard with all AutoPot Watering Systems and Modules



Suitable for mineral or organic feeding via reservoirs and pipework. See page 30 for nutrient use tips.

## Fittings



For a faster flow AQUAvalve5 utilises a whole new range of 9mm / 3/8" and 16-9mm 1/2"-3/8" fittings and pipework. Supplied with all our systems and available separately allowing you to create a system of any size.

The AQUAvalve5 is supplied with every AutoPot Watering System. Once connected to the water supply, the AQUAvalve5 will control the flow of water to the plants by simple gravity pressure from a reservoir or tank of any size. No pumps, mains water pressure, electricity or timers are required.

The needs of growers are ever-evolving, served by an increasingly diverse range of nutrients. With a 5mm / 1/4" inlet, AQUAvalve5 rises to the challenge of delivering the widest range of nutrients in a faster flow for a quicker fill, maximising system efficiency. Maintenance is reduced and the risk of blockages minimised.

AQUAvalve5 is an exceptionally responsive means of feeding. It opens to supply water to a 20mm / 1" depth and then closes. Once the plants have used that supply the AQUAvalve5 reopens to repeat the cycle. No need to second guess plant requirements, compensate for conditions or recalibrate unnecessary pumps or computers. Keep the AQUAvalve5 and the tray it sits in clean, free of obstructions, and soil particles and it will feed and water your plants for many years.

## Upgrade your modules



AQUAvalve5 comes as standard with all AutoPot Watering Systems. What's more AQUAvalve5, 9mm / 3/8" fittings, and 9mm / 3/8" pipe fit all your existing AutoPot trays and pots. Simply drop in an AQUAvalve5 Module Accessory Pack.

# AQUAvalve5



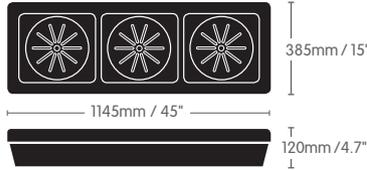
Auto3 XL offers a compact, flexible growing solution to commercial producers and independent hobby horticulturists alike.

Though it was commercial demands that brought such AutoPot Tray Systems into being, we always believed that the same requirements existed for individual growers everywhere.

Now even homegrowers with limited space can enjoy the benefits of a space-saving, ultra low-maintenance AutoPot Tray System. Auto3 XL packs three 25L / 6.6 gal plastic pots or three 20L / 5 gal fabric FlexiPots into a single tray and lid assembly measuring just over a metre long.



280mm / 11"



- ▶ Compact tray for flexible positioning
- ▶ Increased pot count per sq metre / ft
- ▶ Ideal for hobby or commercial use

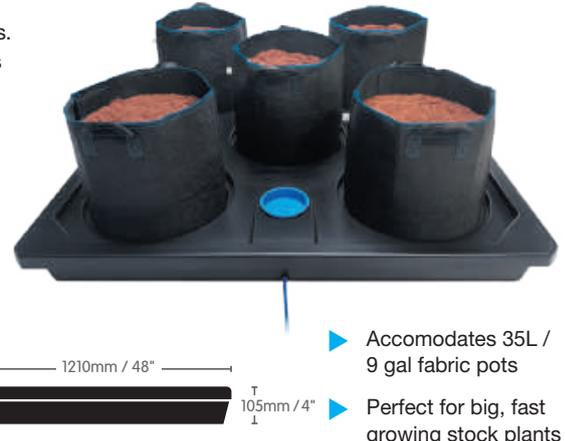
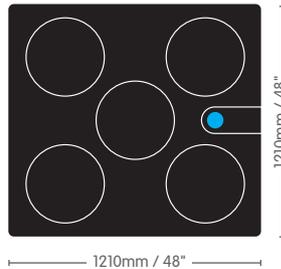


Maximise growing space with Auto5 - for truly huge plants. Auto5 allows you to feed up to five 35 L / 9 gal fabric pots with a single AQUAvalve5 - for minimal maintenance.

This is our first multi-pot module to house the 35 L / 9 gal FlexiPot - a BPA-free, lead-free container that makes big, healthy, fast-developing stock plants a reality.



340mm / 13.5"



- ▶ Accomodates 35L / 9 gal fabric pots
- ▶ Perfect for big, fast growing stock plants
- ▶ Available with/out pots and fittings

Cultivating with tray systems benefits growers in three key areas:

#### Growing space

- Maximise your available growing area
- Utilise vertical space without increasing workload
- Ideal for moveable racks and rolling tables

#### Overheads

- Draws no more water than individual modules
- Requires no plumbing for waste water
- Fewer components equals lower maintenance

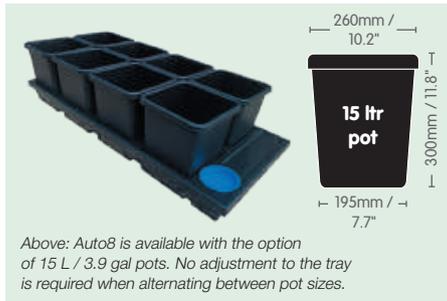
#### Plant health

- Moulded base minimises standing water
- Use fabric pots with Auto XL FlexiPot
- Lid blocks light and debris from entering tray

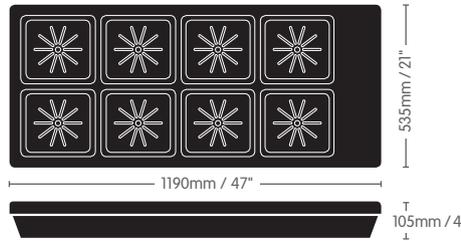


Grow what you want, when you want, whilst still enjoying the space and maintenance saving benefits of a Tray System.

Auto8 accommodates both 8.5 L / 2.2 gal and 15 L / 3.9 gal square pots. Interchange at will - no adjustment to the tray is required. You can house plants at various stages of development in the same tray system. Swap plants in and out with ease as needed. Auto8 comes with 8.5 L plastic pots as standard with the option to upgrade to 15 L plastic pots.



Above: Auto8 is available with the option of 15 L / 3.9 gal pots. No adjustment to the tray is required when alternating between pot sizes.



- ▶ Fit two Auto8 in a 1.2m / 4ft sq area
- ▶ Auto8 fits 8.5L / 2.2 gal or 15L / 3.9 gal pots
- ▶ Houses plants at all stages

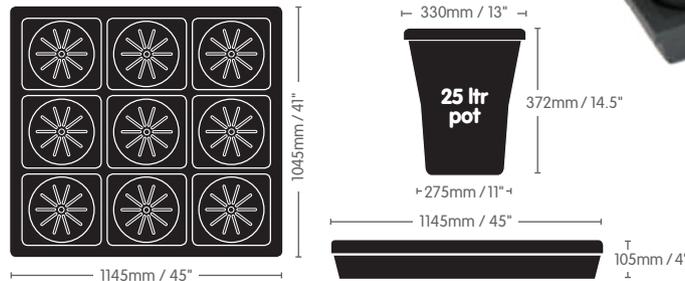


Auto9 XL combines nine 25L / 6.6 gal plastic pots or nine 20L / 5 gal fabric pots and one AQUAvalve in a single Tray System. Vastly reduced maintenance, thanks to the single AQUAvalve, makes Auto9 XL ideal for vertical racking and rolling tables where maintenance access can be a challenge.

Like all AutoPot tray systems it is simple to install and irrigates with zero run-off, negating the requirement for waste water plumbing.



Above: Auto9 XL FlexiPot features BPA-free fabric pots as a no-extra-cost option.

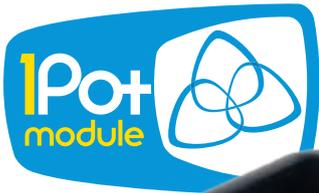


- ▶ Use fabric or plastic pots
- ▶ Multiple Auto9's easily linked
- ▶ Ideal for multi-level production

## Tips

- 1 When positioning ensure the trays are level. The spirit level in the AQUAvalve cover will provide a good indication.
- 2 Use a good, air retentive media, see our substrate guidelines on page 29 for details.

- 3 Auto9 XL is available with our 25 L / 6.6 gal XL plastic pots or, BPA-free, lead-free 20 L / 5 gal fabric pots as a no-extra-cost option.
- 4 Auto9 XL FlexiPot (20 L / 5 gal fabric pots) is supplied with root control PotSocks. The PotSocks should be fitted over the external base of each fabric pot in order to contain the roots and prevent them from interfering with the function of the AQUAvalve.



The 1Pot module is the number one best seller for AutoPot in the UK and performs extremely well in both national and international horticultural markets.

Whatever medium you choose the 1Pot system enables gardeners and growers of all abilities to achieve incredible yields from their plants. The 1Pot System is easily extended and many 15 L / 3.9 gal pots can be linked to a single reservoir. The pots and trays are modular and can be easily spaced apart as plants grow. Once assembled, the reservoir is filled with water and liquid fertiliser (if required), the system will completely take care of all your plant's feeding requirements, providing them with fresh, balanced feed throughout their entire life cycle.

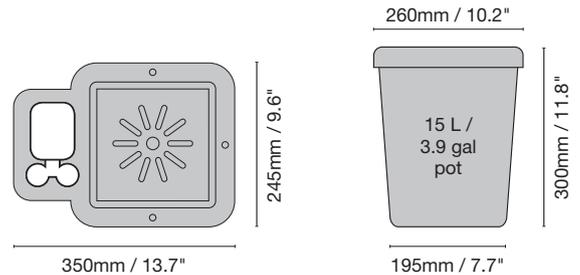
This versatile system can be used in the home, greenhouse, poly-tunnel or garden to feed and water your plants and offers an easy and efficient watering system for all manner of crops whether edible or ornamental.

3D

## Accessories + fittings



## Dimensions



## ☺ Tips

- ① The 15 L / 3.9 gal pots used in the 1Pot module and the 8.5 L / 2.2 gal pots used in the easy2grow system are interchangeable and can be used in either tray design.
- ② We recommend using four 1Pot modules per square metre of growing space.
- ③ To ensure even better growing results it is highly recommended to place 1" (25mm) of washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.
- ④ Firmly push the AQUAvalve onto the Tee in the module tray and push the pipe into the inlet channel where the pipe enters the tray.

4Pot System  
with retail box



24Pot System



80Pot System



100Pot System



## 1Pot System™ layouts

1Pot Systems are available in a range of size layouts including

1 2 4 6 8 12 24 36 48 60 80 100 1,000 10,000

The 1Pot System™  
will just keep extending

**It does not stop at 100 pots**



3D

The easy2grow system is AutoPot's best-selling watering system worldwide. Whether using the easy2grow starter kit in a garden or multiple easy2grow extension kits on a vast commercial scale, this system provides fresh, balanced feed to your plants throughout their entire life cycle.

The 8.5 L / 2.2gal pots and modular 2Pot trays can be used to grow a wide variety of crops and are ideally suited to either short, bushy varieties like herbs or strawberries, or tall growing vine plants, where multiple kits can be placed end on end in a garden, greenhouse or poly-tunnel.

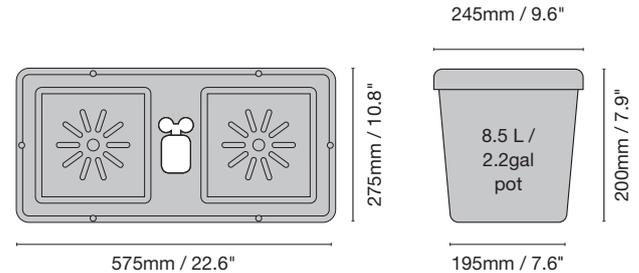
The easy2grow system can be used with a wide range of growing substrates, either traditionally with soil or hydroponically.

Low maintenance, reliable and automated; the easy2grow system allows gardeners to relax, go away on holiday and still be sure of healthy plants and bumper harvests.

## Accessories + fittings



## Dimensions



## Tips

- 1 Raise your reservoir to a minimum of 150mm / 6" above the highest AQUAvalve and re-fill the tank when there is approximately a 1/3 of solution left. This will keep the valves working effectively.
- 2 We recommend using three easy2grow modules (6 plants) per square metre of growing space.
- 3 To ensure even better growing results it is highly recommended to place 1" (25mm) of washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.
- 4 Firmly push the AQUAvalve onto the Tee in the module tray and push the pipe into the inlet channel where the pipe enters the tray.

easy2grow kit



easy2grow 40



easy2grow 80



easy2grow 100



## easy2grow System™ layouts

easy2grow Systems are available in a range of size layouts including

2 4 6 12 16 20 24 40 48 60 80 100 1,000 10,000

easy2grow System™  
will just keep extending

It does not stop at 100 pots



Developed by AutoPot to meet the demands of the ambitious gardener, featuring a MASSIVE 25 L / 6.6 gal growing capacity the 1Pot XL is perfect for growers looking to cultivate BIG plants and achieve even BIGGER yields.

The design features a clam-shaped tray to accommodate a circular-based pot. This enables the grower to easily rotate a big plant while the pot is still in the tray.

AutoPot XL FlexiPot Systems take the immense capacity and versatility of the XL Module and incorporate 20 L / 5 gal fabric FlexiPots as a no-extra-cost option.

FlexiPot's porous, BPA-free, lead-free fabric facilitates air pruning which effectively eliminates root circling - giving you bigger plants from smaller pots. This same porosity increases oxygen exchange in the substrate - supercharging growth.

The 1Pot XL and XL FlexiPot Systems are supplied with all necessary connections and the AQUAvalve5 that controls the water supply to each and every plant in the system, delivering fresh, balanced feed throughout their entire life cycle.

\*

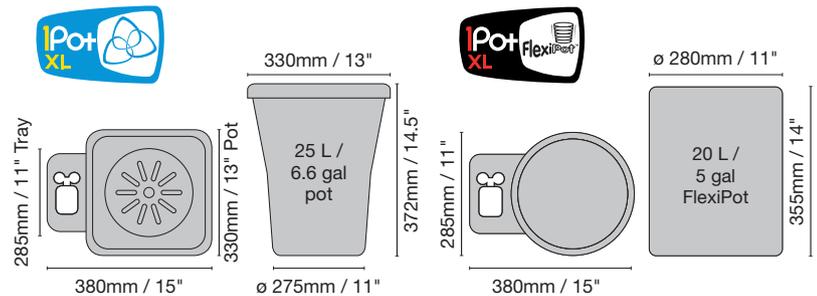


3D

## Accessories + fittings



## Dimensions



## ☺ Tips

- 1 Ideal for large specimen plants, such as Blueberry bushes or Japanese Maples, 1Pot XL can be used as a single module or linked to create systems of any size or configuration.
- 2 Growing over 6 plants? Run 16mm / 3/8" pipe from a larger reservoir and use 16-9mm / 1/2"-3/8" fittings to connect your AQUAvalves.
- 3 To ensure even better growing results place 25mm (1") of washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.
- 4 Due to their porosity, fabric pots may increase the humidity of your growing area. Therefore it is important to monitor humidity.

8Pot XL System



XL FlexiPot 24 System



XL FlexiPot 80 System



100Pot XL System



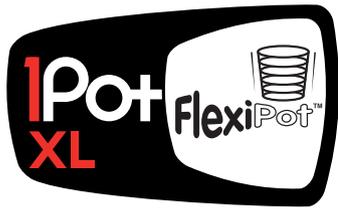
## 1Pot XL / XL FlexiPot System™ layouts

1Pot XL / XL FlexiPot Systems are available in a range of size layouts including

1 2 4 6 8 12 24 48 60 80 100 1,000 10,000

The XL System™ will just keep extending

It does not stop at 100 pots



## The Innovative New FlexiPot

AutoPot now offer an expanded range of fabric pots for plants of all sizes. Our 20L / 5 gal FlexiPots perfectly fit the XL System Module trays. For those wishing to grow big, healthy, fast-developing stock plants we offer 35L / 9 gal and 139L / 37 gal versions - perfect for use in open garden trays with easy2GO and PlantSkirt.

## Safe & Tough

Durable, reusable and constructed using a BPA-free, lead-free material, FlexiPots are certified against off-gassing or leaching. Their beautifully conceived construction features a uniquely rigid base for a fabric pot - keeping your plants upright.

## Stronger Healthier Roots

Can your pot shape a stronger, healthier root structure, a structure that maximises your plant's moisture and nutrient uptake? FlexiPot can. FlexiPots achieve this through air-pruning. When root tips reach the porous side of a FlexiPot they are deterred from extending further by the air outside. Secondary feeder roots develop within the pot, creating a fibrous root structure - vastly superior in feeding the plant.

## Bigger Plants - Faster Growth

Air-pruning not only improves structure but actively eliminates root circling, making it possible to produce bigger plants from smaller pots. The porosity of the FlexiPot sides also allows improved gas exchange in the substrate. Free to breathe the root zone can see dramatically enhanced oxygen levels - supercharging growth.

## Dimensions

±280mm / 11"



355mm / 14"



±340mm / 13.4"



410mm / 16"



650mm / 25.5"



420mm / 16.5"



## FlexiPot features:

- ① BPA-free, lead-free material - unlike many other fabric pots.
- ② A design perfected through extensive use and development.
- ③ Reusable with a life-span that far exceeds that of other fabric pots on the market.

## FlexiPot Tips:

- ① When growing with fabric pots it is important to monitor humidity - the breathability of the fabric pot means the humidity of the growing area may be increased.
- ② The top of the FlexiPot can be rolled downwards - allowing you to reduce pot capacity as required.



## WhitePots - Happy Roots, Bigger Fruits!

Protect your plant's root system from high or shifting temperatures with AutoPot WhitePots. The WhitePot reflects extremes of heat away from the root system. By shielding the roots in this way WhitePots help prevent the adverse effects of hot or varying temperatures on a plants growth management.

Growing in WhitePots is a simple and effective way to maintain constant temperatures for your roots allowing your plants to steadily thrive.

- ▶ Reflects light and heat
- ▶ Specially designed for use in hot environments
- ▶ Can help reduce substrate temperatures by 5-10%



As well as assisting with root temperature stability for European growers WhitePots are currently in full commercial use in a number of locales with extreme climates. WhitePots have proven a huge success in Thailand, Saudi Arabia, the US and the Pacific Islands.



WhitePot 25L / 6.6 gal  
fits an XL Tray

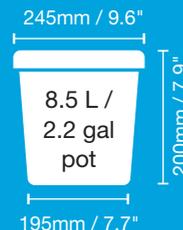
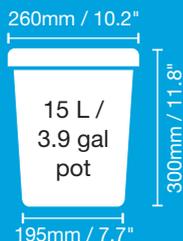


WhitePot 15L / 3.9 gal fits  
a 1Pot or easy2grow Tray



WhitePot 8.5L 2.2 gal fits  
a 1Pot or easy2grow Tray

## Dimensions



# pot divider



## Pot Divider

Get more from your modules. PotDivider allows you to multiply your plant count without increasing system size. At a stroke, each of your pots is capable of holding four plants in segregated sections.

Excellent for tight-leaved varieties and for herbs, the PotDivider is tailor-made for our 8.5 L / 2.2 gal pots. It will also fit our 15 L / 3.9 gal pots. Both those pot sizes are compatible with our 1Pot, easy2grow, and Auto8 modules – meaning the potential number of applications is immense.

PotDivider is perfect for the pre-veg stage, and is equally effective with plants that simply don't require the run of an entire pot. A partitioned base removes the need for a pebble layer in the bottom of the pot. When the time comes Pot Divider lifts out cleanly, bringing your nascent plants with it, making the process of removing plants and repotting (in the self-same module!) an absolute cinch.

# strawberry topper



## Strawberry Topper

Let your fruits hang low for ease of plant care and picking. Strawberry Topper fits perfectly on the rim of 8.5 L / 2.2 gal pots. This ingenious growers aid allows you to lay your plants side-on. Foliage grows up and fruits hang down. Ideal for modules on elevated racking.



### 😊 PotDivider Tips:

- 1 Pour a small amount of substrate into the Pot Divider and push substrate down all nine 10mm / 0.4" holes to ensure capillary action.
- 2 Pot Divider is dishwasher safe.
- 3 Pot Divider is suitable for all substrates.

### 😊 Strawberry Topper Features:

- 1 Unique design where strawberry plants are planted horizontally to allow for easy picking of fruit
- 2 Robust design that can be used time and time again

## Propagation Lids

Get it right from the start. We offer a range of propagation lids tailor-made for our pots, designed to be fitted during the crucial early weeks whilst plants are getting established in your system. The lids help to generate the humidity that young plants crave.

Humidity is an essential part of the micro-environment close to leaves. Lack of humidity directly around plants is perhaps the number one cause of poor growth - as leaves curl to protect the plant and transpiration stops.

Your environment, system, and nutrients may be perfect but without local humidity growth can stall. With the help of propagation lids, and the humidity they confer, your plants can quickly take hold, fill out, and enjoy a fantastically sound basis for further vigorous growth.

- ▶ A range of propagation lids to cover all plastic pot sizes
- ▶ Lids help create humidity in a plants micro environment
- ▶ Humidity helps stimulate growth at a critical stage

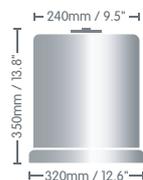
### Dimensions



for use with



### Dimensions



for use with



25 L / 6.6 gal Propagation Lid



15 & 8.5 L / 3.9 & 2.2 gal Propagation Lid



15 & 8.5 L / 3.9 & 2.2 gal Propagation Lid

### Tips:



#### 1. Lid On With Vents Closed

Initially keep vents closed to create a micro environment. The lid helps generate humidity young plants crave.



#### 2. Opening The Vents

As plants increase in size half open vents.



#### 3. Hardening Off

Fully open vents to harden off your plant. Once vents are fully opened leave for several days prior to removing the lid.



Struggling to fit a plastic reservoir into your car or home is now a thing of the past! The FlexiTank range is available in a variety of sizes and revolutionises water storage for every gardener, whether on a domestic or commercial scale. FlexiTanks reduce storage and shipping costs and take minutes to assemble, no tools required.

Everything a gardener needs in one compact box.

It really couldn't be simpler.



3D

### FlexiTank features

- ▶ Fully collapsible
- ▶ Easy to ship and store
- ▶ Fold away into one compact box
- ▶ No tools required for assembly
- ▶ Lightweight and durable
- ▶ Fits where other reservoirs cannot go



The 25 & 50 L / 6.6 & 13 gal FlexiTanks allow you to grow almost anywhere. Perfect for hobby and small-scale growers these additions to the FlexiTank range mean that almost no space is now too small for a system.

### Dimensions (when filled with water)

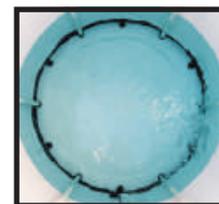
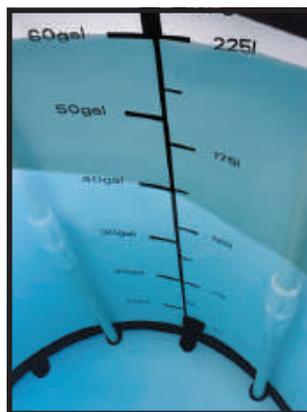


# FlexiTank PRO™

flexi-tank.co.uk

The Revolution Refined. FlexiTank Pro offers even greater scope for growing with AutoPot Watering Systems in extreme climates. The elegance of FlexiTank Pro's reflective and light-tight skin is the embodiment of form and function combined.

The skin beautifully disguises a rugged, fully collapsible design within. Concealed tank supports and internal capacity markings add neat edges to the proven FlexiTank design.



## FlexiTank Pro features

- ▶ Reflective and light tight
- ▶ Ultra-strong, anti-tip design
- ▶ Internal capacity markings
- ▶ Attractive retail box packaging



## Accessories + fittings

FlexiTank and FlexiTank Pro utilise the same accessories and fittings for easy integration with AutoPot Watering Systems



## Dimensions (when filled with water)





3D

### easy2GO Kit in 4 simple steps

- 1 Connect reservoir to the easy2GO Kit
- 2 Place easy2GO Kit on a level tray
- 3 Place your plant pots in the garden tray
- 4 Fill reservoir with water and liquid fertiliser (if required)

Turn any gardening tray into an AutoPot System! The easy2GO Kit will keep your plants automatically irrigated using a simple flat-based tray and reservoir. The easy2GO Kit is placed directly onto the tray along with your potted plants and distributes water to the pots from below.

Ideal for growers looking to use very large pots or simply keep multiple smaller pots irrigated in one tray.

Multiple kits can be linked together from a single reservoir to keep larger volumes of plants watered and the easy2GO Kit can be installed anywhere; in your home, greenhouse, conservatory or balcony.

Going on holiday? The easy2GO Kit is the ultimate watering kit for happy, healthy plants. Unlike other holiday watering kits, the easy2GO Kit provides optimum levels of water to meet the plants requirements - without the need for timers or electricity - ensuring you return from holiday to plants that are thriving.

This inexpensive, flexible system can be assembled in minutes and contains all fittings required to connect to a reservoir of your choice. You simply need a water container with a minimum 30 litre capacity and a flat based gardening tray with a minimum depth of 30mm.



### Tips

- 1 Use the spirit level on the easy2GO Kit to ensure the tray is level.
- 2 Place washed gravel / clay pebbles or similar in the bottom of each pot, to aid drainage.
- 3 Mineral or organic fertilisers may be fed to the easy2GO via your reservoir and pipework - see Growers Tips on page 30 for further details on nutrient use.
- 4 Always place easy2GO Kit directly on the trays surface, never sit it on capillary matting.



For ambitious growing. PlantSkirt is a light-tight, heat-reflective shield that protects nutrient solution and substrate when growing in large open trays. Paired with AQUAvalve5, it provides a solution for growing even the largest of plants with AutoPot Watering Systems.

Available individually, or as part of complete kits, our range of PlantSkirts cover trays of 60-100cm / 23.5-40" sq.

Secured around the middle of a pot and around the outer rim of a garden tray, this innovative skirt helps maintain stable temperatures in your substrate and nutrient solution. Heat and light that would otherwise cause nutrient solution to evaporate is reflected onto the plant to its greater benefit and invasion by algae or debris is averted.



Above: Our range of PlantSkirts fit trays from 60cm / 23.5" to 100cm / 40" sq and fit a solid or fabric pot from 35cm / 14" to 27" in diameter.

- 1



Position your pot centrally in your tray. Fill pot with substrate and pot up plants. Hand water through pot and allow to drain.
- 2



Place AQUAvalve PotSock and plate onto the tray. Fit pipe and Elbow Bar to AQUAvalve and place into the AQUAvalve PotSock. Connect the AQUAvalve up to your reservoir.
- 3



The PlantSkirt is secured around the middle of the pot and the outer rim of the tray. Secure in place with the PlantSkirt's drawstrings.
- 4



Once the drawstrings are pulled tight the PlantSkirt provides an effective seal preventing light and debris from entering the tray.

## PlantSkirt Complete

Kits including tray, fabric FlexiPot, AQUAvalve and fittings



PlantSkirt Complete 100  
incl. 100cm / 40" sq tray &  
139L / 37gal fabric pot



PlantSkirt Complete 80  
incl. 80cm / 31.5" sq tray &  
139L / 37gal fabric pot)



PlantSkirt Complete 60  
incl. 60cm / 23.5" sq tray &  
35L / 9gal fabric pot)

## PlantSkirt - Key Qualities:

Prevents risk of algae growth in open trays

Reflects light back onto plants – enhancing growth

Stops the evaporation of nutrient solution

Keeps temperature stable in nutrient solution and substrate

# easy2Propagate kit™



easy2Propagate's size and features deliver entirely new levels of growing potential and plant control.

A cavernous 200mm / 8" lid height offers your plants more headroom than any other single piece propagator lid available giving you greater choice as to when you transplant. Four large, fully adjustable vents allow growers unparalleled scope to fine-tune an environment in which young plants can thrive.

easy2Propagate ties together the proven growing technology of the AutoPot range. Fitted with four 9mm / 3/8" piping ports, it is designed to accommodate an AQUAvalve for easy integration with low maintenance AutoPot Watering Systems. The lid and kit contents slot together in minutes to create a stunningly effective propagator.

Available in four different kit configurations



easy2Propagate Complete



easy2Propagate Extension

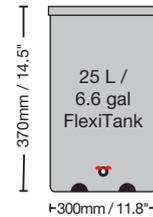
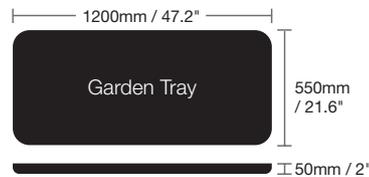
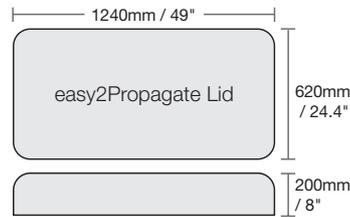


easy2Propagate Basic



easy2Propagate Lid

- ▶ Control your plants environment to accelerate rooting.
- ▶ Water young plants and cuttings with confidence.
- ▶ Increase strike rates with large volumes of young plants.
- ▶ All easy2Propagate kits and lids fully boxed.
- ▶ Ultra-strong lid easy to ship even as a single unit.



FlexiTank dimensions when filled with water

## Tips

- 1 Use heat pads under the tray or propagation lights above it to warm the water in the tray and create humidity.
- 2 We recommend a target temperature of 70-80°F / 25-30°C with minimum 80% humidity.
- 3 If you are using raised pots, such as terracotta pots or bonsai pots, a small length of capillary matting can be cut and pushed inside the hole at the bottom of the raised pot. The capillary matting will act as a wick.

# AQUAplate




AQUAplate simply brings a whole new dimension to your AutoPot Watering System. Everything you need to adapt an AutoPot tray for pure hydroponic growing is contained within the kit. The seamless integration that AQUAplate affords you saves time, expense and allows you to grow in our proven, highly efficient, low-maintenance irrigation system.

Collar and mesh pot your plants, slot them into the plate and drop into your AutoPot tray and you're growing hydroponically!

In an AutoPot system with AQUAplate plants thrive through only ever receiving fresh irrigation and nutrients unlike recirculating systems.



- ▶ Grow free from substrate
- ▶ Give plants direct root access to nutrient rich water
- ▶ Encourage faster, stronger root development
- ▶ Contains all you need to adapt your existing AutoPot system for AQUAplate growing
- ▶ Includes PotSock for superior root control
- ▶ Simply drops into an AutoPot tray



AQUAplate Circle fits an XL Tray



AQUAplate Square fits 1Pot or easy2grow trays



## Tips

- 1 Add an airstone to the tray for supercharged growing.
- 2 AQUAplate is the ideal growing environment for quick to harvest plants such as leafy greens.
- 3 Water temperature of between 18-21°C / 64-70°F is required when using the AQUAplate



## the concept

The AQUAbox incorporates the AQUAvalve technology used throughout the AutoPot range and expands it to irrigate a large growing area rather than a single plant pot. Ideal for raised beds, large planters, grow bags and allotments the AQUAbox is placed directly in the ground and distributes water and nutrient to the surrounding soil using capillary matting.

The AQUAbox ensures your plants are watered for days or weeks at a time making it the perfect irrigation solution for weekends away, holidays or year-round watering. They require no electricity, pumps, timers, mains water to operate and are ideal for use in allotments or home gardening. A connection to a reservoir is all that is needed. Water from the reservoir is simply supplied by gravity to the AQUAbox.

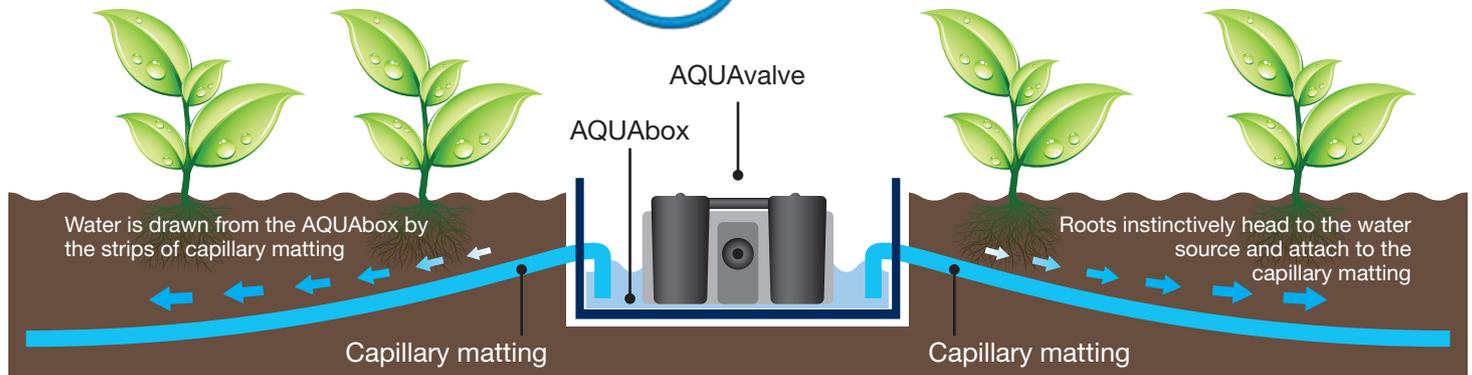
**There are two products in the AQUAbox range;**

AQUAbox Straight is designed for narrow raised beds and grow bags.

AQUAbox Spyder is designed for larger raised beds and allotments.



## How the AQUAbox works



## ☺ Tips

- 1 Ensure the AQUAbox is level in the soil by using the circular spirit level in the lid.
- 2 Connect multiple AQUAbox Straights or Spydres to one water supply to irrigate a larger area.
- 3 Ensure each strip of capillary matting slopes away from the AQUAbox at a slight downward gradient.
- 4 Roots will attach themselves to the matting. For best results, replace capillary matting every season.

# COCOMAT



CocoMat is the ideal addition for growers seeking a low maintenance irrigation system. The coco fibres and natural latex in a CocoMat wick all the moisture and nutrients a plant requires! Fill your tray just once and CocoMat will water the plants for up to ten days.

To use simply place the CocoMat into a propagation tray. Lay a Root Control Sheet onto the mat and sit small pots or seed trays on top. CocoMats can be cut to fit any size of tray.

CocoMat is available as:



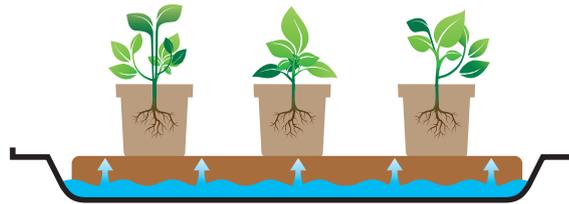
51cm x 30cm x 3cm  
/ 20" x 12" x 1.2"  
with Root Control Sheet



58cm x 51cm x 3cm  
/ 23" x 20" x 1.2"  
without Root Control Sheet

## CocoMat in 3 easy steps

- 1 Simply place your CocoMat into a tray
- 2 Fill the tray with water
- 3 Place your seed tray on top and grow!



The CocoMat controls watering by holding and gradually wicking the water to the plants via capillary action.

## ☺ Tips

- 1 When using CocoMats please note that they should be treated before use. Place the CocoMat in pH 4.5 water and keep fully submerged to soak for 24-48hrs. Then rinse and use with pH 5.5 water
- 2 Irrigate larger trays using multiple CocoMats and Root Control Sheets. CocoMats and Root Control Sheets can be cut to fit any size of tray
- 3 If you are using raised pots, such as terracotta pots or bonsai pots, a small length of capillary matting can be cut and pushed inside the hole at the bottom of the raised pot. The capillary matting will act as a wick.
- 4 Team your CocoMat with an AutoPot easy2GO to create an automated watering kit!



3D

## AirDome features

- ▶ Healthier roots
- ▶ Greater uptake of water & nutrient
- ▶ Faster growth rates
- ▶ Bigger yields

Supercharge your plants! The AirDome has been designed to boost growth and yields by increasing the oxygen content in the pot. More oxygen means a healthier root zone and greater uptake of water and nutrient; your plants will grow bigger and yield significantly more.

In AirDome trials with Luffa plants we achieved an increase in yield of 130%! For more common varieties of fruiting plants, you can expect an increase in yields of up to 30%!

The Domes are very simple to use and take less than 30 seconds to assemble. The AirDome is placed at the bottom of the pot, covered with compost and then connected to an air pump.

can increase yields by up to **130%**\*



Place the AirDome in the bottom of the pot and connect to an air pump



The plant grows faster due to the abundance of air around the root zone

## 😊 Tips

- ① To maximize the effectiveness of the AirDome use a 'fluffy' mix, such as 50% good quality compost and 50% perlite. Avoid peat based compost as this will compress, reducing the effectiveness of the AirDome.

\*increases vary according to plant type and conditions

- ② If using AirDomes with large systems, consider using larger pumps that allow you to connect 16mm / 1/2" pipe (standard hosepipe). Mirror your water supply and reduce the pipe to 6mm at each AirDome connection, using AutoPot fittings. Never blow cold air into the root zone, only warm air.

- ③ A cool air temperature of 18-21°C / 65-70°F is required for optimum growth

3D Whenever you see this logo a 3D animation is available to view on our website and via [YouTube](#)



The easy2grow liquid feed has been specially formulated to be used with all the AutoPot products. During recent trials it outperformed all the rest. easy2grow liquid feed is perfect for use with all kinds of vegetables, fruit and plants.

- ▶ Simple to use 1 part feed, for all plant types and stages of growth
- ▶ Added seaweed
- ▶ Minimal sediment build up, ensuring clean lines and piping
- ▶ Dilutes extremely well in water
- ▶ Remains mixed and does not separate

easy2grow liquid feed is available in these sizes (Litres)

0.25	1	5	20
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## Fittings

AutoPot provide a wide range of fittings for our products to enable you to create a system to fit your growing space. The entire AutoPot range of kits and systems is now supplied as standard with AQUAvalve5 and with 9mm / 3/8", 9-16mm / 3/8-1/2", and 16mm / 1/2" pipework and fittings. The original AQUAvalve, the 6mm / 1/4" pipework and 6mm / 1/4" fittings previously supplied with AutoPot Watering Systems are still available as spares, as are 16mm-6mm fittings / 1/2-1/4".



9mm / 3/8" golf filter



16 - 9mm / 3/8-1/2" tee connector



16 - 9mm / 3/8-1/2" cross connector



16mm / 1/2" inline filter



16 - 9mm / 3/8-1/2" inline filter



Grommets 19mm / 16mm / 9mm 3/4" / 1/2" / 1/4"

# CASE STUDIES

## The Oxfordshire Chilli Farm, UK

The Oxfordshire Chilli Farm (Plantasia) have been growing capsicums using AutoPot Watering Systems for 7 years. AutoPot Systems offer growing solutions to each variety under cultivation. For large 'super-hot' varieties the XL System provides ideal size and adjustability. Habanero and Scotch Bonnets are served by the 1Pot System. Sweet peppers are grown using the high-wire method in easy2grow with 15L / 3.9gal pots instead of the 8.5L / 2.2gal as this suits these capsicums better.



## Kunya Beach, Kenya

Kunya Beach Nursery is located in an important horticultural region of Africa. Growers in the area must meet stringent government criteria given the existing demands on resources. AutoPot Watering Systems easily meet these criteria thanks to their water efficiency and power-free operation. For this reason the nursery has attracted a great deal of government and commercial interest. Sustainable horticulture is seen as a great driver for potential local employment. Furthermore the market for affordable, reliable crops is vast and, by utilising such systems, the overheads are minimal.

## Medwyn Williams, Wales

A 12-time RHS Chelsea Gold Medallist, Medwyn Williams (pic. left) is rightly famed for immaculately grown vegetables. For him the chief prospects of using AutoPot were savings in time and costs, without concessions on plant health or veg quality. He was also intrigued by the potential of AutoPot to act as a leveller in competition growing. Two years using AutoPot brought about his latest Gold Medal, and confirmed his suspicion; that AutoPot brings the growing of large, exhibition-quality veg onto a level playing field. He predicts that, in future, far more entries on show benches will be AutoPot grown.



## Farmcity, Mauritius

Farmcity build modern farms for healthier communities. They've developed an easy-to-operate, modular farm model using AutoPot Watering Systems. Their farming model enables great food to be grown on a commercial scale, completely naturally. One of the principal, current operators of the modular farm is Farmcity Mauritius. As an island, Mauritius faces problems owing it's food import dependency. Using sustainable technology such as ours Farmcity hope to set precedents for reversing outside food dependency worldwide.

# SUBSTRATE GUIDE



Soil/Perlite  
50 / 50 mix

AutoPot Watering Systems are extremely versatile and can be used with the growing medium / substrate of your choice. Whether growing in soil, coco or hydroponically our systems exceed all expectations.

An ideal substrate for use in AutoPot systems is a 50% mix of perlite with either soil or coco. In growing trials we have cultivated plants in a vast range of substrates from coral to denim and even pumice stone! We are now successfully trialling the systems without media for aeroponic plant growth.

Which ever substrate you decide to use make sure the blend of substrates are capillary active and have the ability to hold plenty of air within the structure.



Growstones/Coco  
50 / 50 mix



Soil/Clay Pebbles  
50 / 50 mix



Coco/Perlite  
50 / 50 mix



Coco/Clay Pebbles  
50 / 50 mix



Rockwool/Clay Pebbles  
50 / 50 mix

## Tips

- 1 Always use a good quality soil or coco from a reputable brand.
- 2 AutoPot strongly recommends that Growstones, washed gravel or pH stable clay pebbles **should** be used at the bottom of each pot to a depth of 1" (25mm), to aid drainage.

- 3 Peat based composts will compress when used in the systems, reducing the oxygen content in the root zone. Mix in perlite or clay pebbles to lighten the compost and improve aeration.
- 4 If using clay pebbles, whether at the bottom of the pot as additional drainage or as part of a mix, they **MUST** be pH stable. Be aware that certain brands are NOT pH stable and will increase the pH of the water in the tray; this will negatively affect plant growth.

# TOP GROWING TIPS

1

All AutoPot Watering Systems and Modules are supplied with root control. Depending on the system or module, root control may include some combination of PotSock, Root Control Disc (RCD) and Marix Disc.

**In the UK, in Canada, and RoW** these are used in the following configurations:

1Pot: Marix Disc in the pot, RCD in tray (gold face up)

easy2grow: Marix Disc in the pot, PotSock on base of pot (gold face up)

XL: RCD in pot gold face down

XL FlexiPot: PotSock on base of pot (gold face up)

**In the US** root control is used in the following configurations:

1Pot: RCD in tray (gold face up)

easy2grow: RCD in the pot, PotSock on base of pot (gold face up)

XL: RCD in pot gold face down

XL FlexiPot / SpringPot: PotSock on base of pot (gold face up)

2

To ensure excellent growing results it is highly recommended to place 1" (25mm) of Growstones, washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.

3

If using AirDomes with large systems, consider using larger pumps that allow you to connect 16mm / 1/2" pipe (standard hosepipe). Mirror your water supply and reduce the pipe to 6mm / 1/4" at each AirDome connection, using AutoPot fittings. Never blow cold air into the root zone, only warm air.

4

Growing more than six plants - consider using a larger reservoir and supply the water via 16mm / 1/2" pipe (standard hosepipe) reducing the pipe to 9mm / 3/8" at each AQUAvalve connection, using AutoPot fittings.

5

Always clean the side and bottom of each pot before you place in the tray, this will remove any soil particles and ensure your system is clean. In turn ensuring your AQUAvalve is kept clean.



6

AutoPot Watering Systems equipped with AQUAvalve5 and 9mm / 3/8" pipe and fittings can be used to feed mineral or organic fertilisers via the reservoir and pipework. Organic fertilisers will require a water pump in the reservoir running for 15 mins every 2 hrs and cleaning of the reservoir, pump, and filter each time the reservoir empties. Flush pipework with plain water every time the reservoir empties.

7

Allowing your plants to establish once they have been potted up, watered through and placed in the tray is very important before you turn your system on. The amount of time it takes depends on many factors, plant type, temperature, humidity, size of plant. This is generally 5-21 days dependant on pot size but if you are unsure simply feel the weight of the pot, if heavy there is plenty of moisture in the pot, if light simply turn the system on.

8

Never place an air stone in your reservoir as this can increase the pH of the water, a small water pump will work better but neither is essential.

9

To help keep your pipe work free of sediment build up, ensure you have a tap at the end of your pipework, this should be opened regularly every few weeks and the water allowed to drain into a jug or similar for 30 seconds to 1 minute.

10

Always raise your reservoir to a minimum of 150mm (6") above the floor, re-fill your reservoir when there is a 1/3 of the water left... Never let your reservoir run empty.

11

Always use a filter with every reservoir, filters should be checked once a month and cleaned if necessary.

12

Always ensure your AQUAvalve is secured to the tray to prevent it from floating as the water floods the tray, if using AutoPot designed trays simply position the half-moon of the AQUAvalve over the Tee section in the tray and push down firmly. If using the AQUAvalve in a garden tray place the an AQUAvalve Cover over the AQUAvalve.

13

Placing trays on cold concrete floors is not advisable, the water in the tray will be chilled from below and will effect plant growth, consider placing polystyrene, cardboard or similar under each tray to ensure the water temperature in the tray is not affected. Trays can also be raised above the floor if required.

14

Flushing is not necessary with AutoPot, simply re-fill your reservoir with water only and pH balance if necessary and allow the plants to drink water only. This can be undertaken 7-14 days prior to picking your crops.

15

Placing small seedlings directly into the pots is not advisable. Only pot up suitably established plants.



16

Consider placing a humidity dome/lid over each plant when the plants are small and exposed, this will maintain the humidity around the plant speeding up growth.

17

In extreme circumstances of over feeding; pour several litres of pH balanced water into the pot and allow it to drain. Restart feeding with half strength nutrient for the 1st week.

# Available worldwide



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