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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

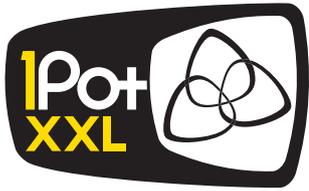
AutoPot makes growing as simple as it can be... less effort bigger yields

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Sweet Peppers in AutoPot easy2grow modules with 15 L/3.9 gal pots - grown by Plantasia



XXL

Know no limits. AutoPot XXL propels you into a new world of horticultural possibility, backed with technology that's proven to make the wildest, most fantastical, most fruitful plants a reality. At last, a power-free watering system for 35 L / 9 gal and 50 L growers that truly satisfies the needs of their plants.

See pages 14-15



AirBase

AirBase is transforming the way AutoPot growers set up. This simple and incredibly effective insert effortlessly optimises root zone drainage and completely removes the need for a pebble base layer in your pot. Gone is the pH stabilisation, the mess, the cost, and the weight of pebbles. Instead you have a quick, clean, reusable base that even features a pop-out centre section for optional AirDome integration.

See page 25



Tray2Grow

Automatic watering at its versatile best, Tray2Grow offers gardeners a multitude of cultivation methods. From grow bags to seed trays, planters to coco slabs, pots to microherbs, Tray2Grow can be configured to suit every conceivable growth stage and plant type.

See pages 18-19



New Products



CO₂ Generator

The most productive, efficient, easy-to-use CO₂ input on the market bar none. MotherNature's CO₂ Generator provides an enormous boost to your Carbon Dioxide-hungry plants, increasing CO₂ levels from 400ppm to 800ppm, stimulating prolific growth, delivering huge yields, and lasting 6 months. All of this with on-demand flexibility, with zero mess, and with eco-friendly refills available.

See page 20



RAPID ROOTS

Rapid Roots

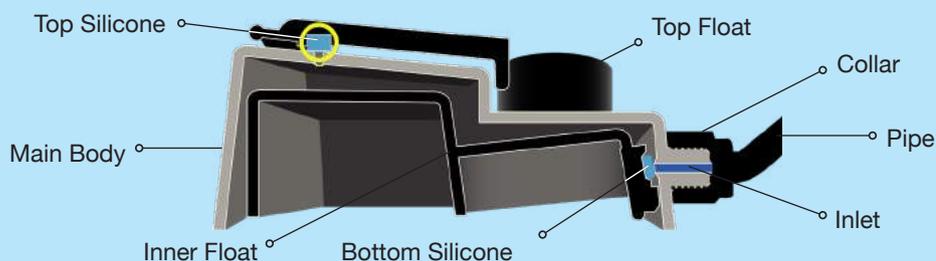
Strike rate gold. Rapid Roots 100% organic rooting gel fortifies your cuttings with a rich supply of natural plant hormones, vitamins, trace elements, and other nutrients. Completely free from synthetics, this astonishingly effective new product draws its strength from high quality seaweed extracts that also instil hardiness and drought resistance. Rounding it off is the inclusion of humic-rich, uptake-enhancing Leonardite that inspires prolific growth.

See page 21



New Products

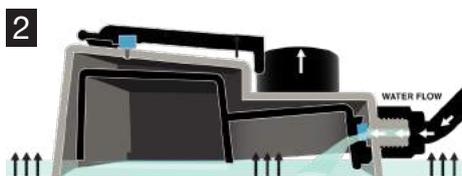
Anatomy



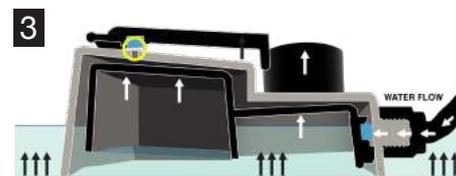
Operation



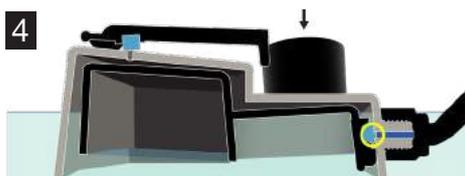
Once the AQUAvalve is positioned in a tray and connected to the water supply and the supply is turned on, water will begin to flow into the tray through the AQUAvalve nozzle. The Inner Float will rise a little but the Top Float will remain in position, keeping the hole sealed on the Main Body and preventing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



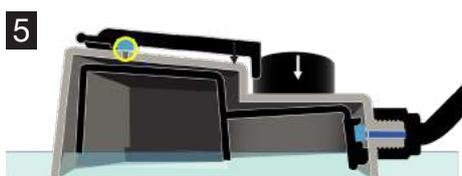
Trapped air inside the Main Body is unable to escape as the silicone in the Top Float is creating a seal on the Main Body, water continues to enter into the tray as the Inner Float is unable to shut off due to the trapped air.



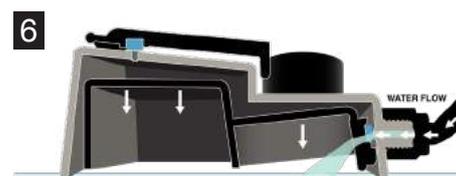
Once the water reaches 20mm / 1" (half way on the AQUAvalve collar) the Top Float will lift allowing the trapped air inside the Main Body to escape and simultaneously the Inner Float will rise and cut off the incoming water.



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 water/nutrient solution from entering.



Once the water/nutrient solution drops below the Main Body of the AQUAvalve the surface tension 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.

- ▶ Now featuring a 5mm / 1/4" 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 pages 40-41 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 pre-2020 AutoPot trays and pots. Simply drop in an AQUAvalve5 Module Accessory Pack.

AQUAvalve5



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 growing 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.

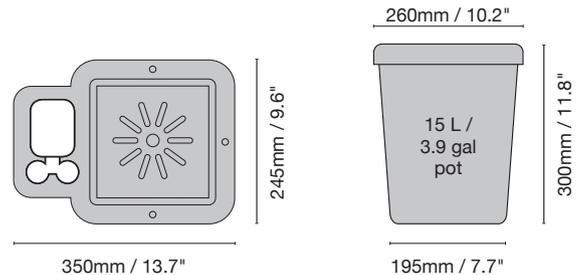
This versatile system can be used in the home, greenhouse, poly-tunnel or garden to feed and water your plants and offers an easy and efficient watering system for all manner of crops whether edible or ornamental.

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 module are interchangeable and can be used in either tray design.
- ② We recommend using four 1Pot modules per square metre of growing space.
- ③ 1Pot is incredibly versatile. You can develop young plants by combining with propagation lids (p.29), increase plant count per pot using PotDivider (p. 28), and introduce air to your grow media with AirDome (p. 26).
- ④ To optimise root zone drainage combine 1Pot with AirBase (p. 27)

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.

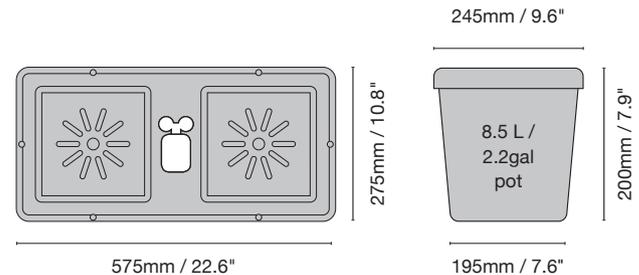
The easy2grow system can be used with a wide range of growing substrates, either traditionally with soil or hydroponically.

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 The 8.5 L / 2.2 gal pots used in the easy2grow module and the 15 L / 3.9 gal pots used in the 1Pot module are interchangeable and can be used in either tray design.
- 2 We recommend using three easy2grow modules (6 plants) per square metre of growing space.

- 3 As well as propagation lids (p. 29), PotDividers (p. 28), and AirDomes (p. 26), easy2grow works brilliantly with Strawberry Toppers (p.28) which allow your fruits to hang low for ease of plant care and picking.
- 4 easy2grow modules are ideal for vine crops. With modules positioned end-to-end, you can create long runs that are easily trained up high wires, maximising the productivity of your floorspace.

easy2grow kit
with retail box



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 module 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 GeoPot 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.

GeoPot'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 GeoPot 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.

*

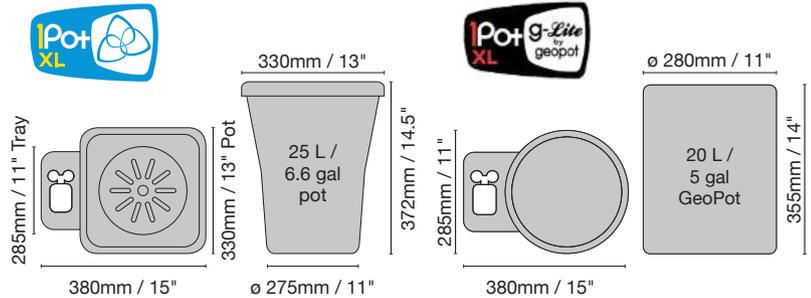


3D

Accessories + fittings



Dimensions



Tips

- As with all AutoPot Watering Systems, 1Pot XL / XL FlexiPot modules can be linked to create systems of any size. We recommend two XL modules per square metre of growing space.
- XL modules offer an excellent long-term home for plants. To get yours happily established use XL with propagation lids (p. 29).
- AirBase Round (p. 27) helps ensure root zone drainage is optimised in XL Modules. Combine AirBase with AirDome (p. 26) for root zone aeration.
- Thanks to AutoPot's modular design, XL modules can be tightly grouped to maximise lighting efficiency in early stages and repositioned to allow plants more space as they develop, with zero disruption to the system.

8Pot XL System



GeoPot 24 System



GeoPot 80 System



100Pot XL System



1Pot XL / GeoPot System layouts

1Pot XL / GeoPot 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



An ingenious enlargement of our ever-popular XL module, the XXL accommodates 9 gal or 13 gal fabric pots. An adaptive collar (available with XXL9 or as a separate) even allows growers to switch between pot sizes as required whilst still using the same tray. XXL9 comes with BPA-free, Lead-free, fabric FlexiPots, XXL9 comes with identically specced 13 gal versions.

Big as they are, these fabric pots allow growers to produce even larger plants than they might otherwise see in equivalent sized plastic pots. Air-pruning, facilitated by the porous pot sidewalls, eliminates root circling and creates a root structure which is vastly superior in feeding your plants. The same pot porosity increases oxygen exchange in the substrate - supercharging growth.

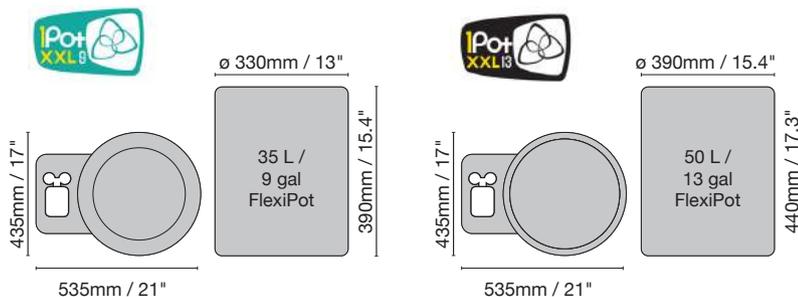
Cultivating big plants, whether one or many, requires time and technique. XXL brings ultra-low maintenance, plant-controlled AQUAvalve5 irrigation into the realm of giant growing - giving you the opportunity and head space to hone your horticultural skills.

3D

Accessories + fittings



Dimensions



Tips

- 1 XXL trays feature a removable overflow plug, making the modules suitable for outdoor growing as well as indoor use.
- 2 If growing indoors leave the overflow plug in place. If growing outdoors remove the overflow plug, allowing any excess water that may accumulate during rainfall to escape.
- 3 When growing outdoors, if heavy rainfall occurs turn your reservoir off until rain has stopped and the water has been drained / consumed.
- 4 XXL Modules are ideally suited to very large plants that grow vigorously and continuously. We recommend one XXL module per sq. metre of floorspace.
- 5 XXL module trays have been trialled to tremendous effect with 65, 70, and 75 litre / 14.2, 15.4, and 16.5 gallon tree planters in place of fabric pots.

XXL9 8Pot System



XXL13 24Pot System



XXL9 80Pot System



XXL13 100Pot System



XXL9 / XXL13 System™ layouts

XXL9 / XXL13 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 XXL System™ will just keep extending

It does not stop at 100 pots



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

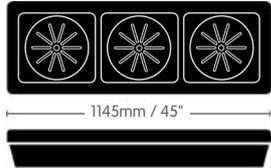
Though it was commercial demands that brought such AutoPot Tray Systems into being, we always believed that the same requirements existed for individual growers everywhere.

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"



385mm / 15"

120mm / 4.7"

330mm / 13"



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

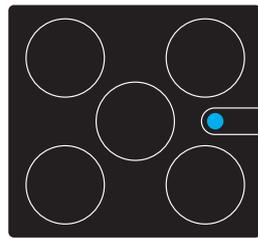


Maximise growing space with Auto5 - for truly huge plants. Auto5 allows you to feed up to five 35 L / 9 gal fabric pots with a single AQUAvalve5 - for minimal maintenance.

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"



1210mm / 48"

1210mm / 48"

105mm / 4"

- ▶ Accommodates 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

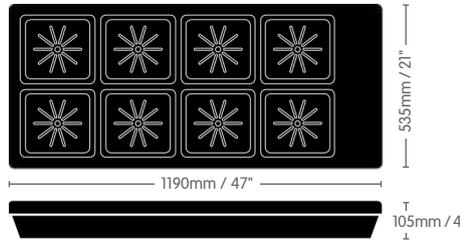
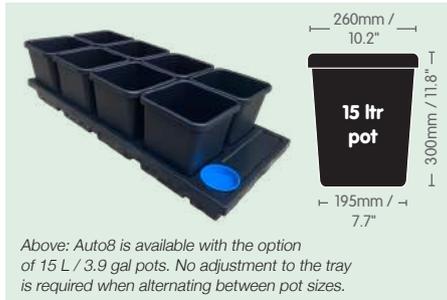
- Moulded base minimises standing water
- Use fabric pots with Auto XL FlexiPot
- Lid blocks light and debris from entering tray



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.

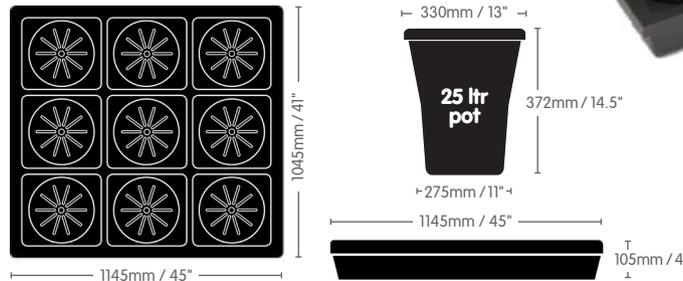


- ▶ Fit two Auto8 in a 1.2m / 4ft sq area
- ▶ Auto8 fits 8.5L / 2.2 gal or 15L / 3.9 gal pots
- ▶ Houses plants at all stages



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.



- ▶ 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 As with all AutoPot Watering Systems we recommend you use a good, air retentive, free-draining growing media, see our substrate guide on page 41 for details.
- ③ Auto3 and Auto9 XL are available with our 25 L / 6.6 gal XL plastic pots or, BPA-free, lead-free 20L / 5 gal fabric pots as a no-extra-cost option.
- ④ For superior root zone drainage combine Auto3, Auto8, or Auto9 XL with AirBase (p. 27). AirBase can further be combined with AirDome (p. 26) for growth-stimulating root zone aeration.



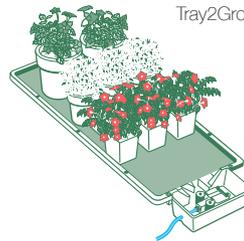
Tray2Grow is the completely automated, completely power-free system that offers you five ways to feed and water your plants. Seed trays, small pots, grow bags, micro herbs, and planters can each be accommodated, making this the most versatile product in the AutoPot range and one of the most versatile irrigation systems period.

Equipped for every eventuality, Tray2Grow includes optional capillary spikes that can be fitted to the inside of the tray. These pierce the underside of a grow bag, allowing you to irrigate the substrate within.

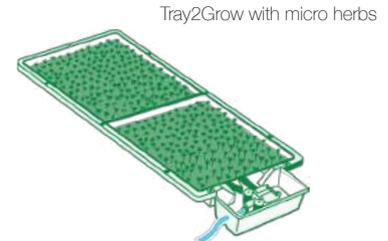
With the spikes removed and capillary matting in place Tray2Grow can take up to four standard sized seed trays, two micro herb trays, any number of bottom-perforated or bio pots, or our capacious 107.5 L / 23.5 gal framed fabric planter. Three guide holes on each side of the tray are provided for garden canes if you're trellising plants and there are three inset spirit levels to help you ensure everything is 100% horizontal.



Tray2Grow with a grow bag



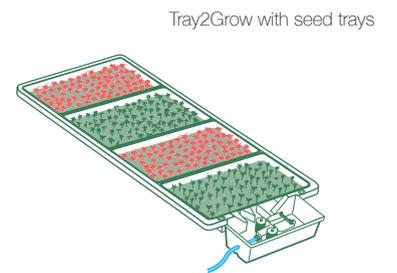
Tray2Grow with pots



Tray2Grow with micro herbs



Tray2Grow with a planter



Tray2Grow with seed trays

Tips

- 1 Always ensure the surface you're placing your tray on is flat and sound, ideally with reference to a bar spirit level. Avoid setting up on surfaces such as gravel as these aggregates can shift over time.
- 2 If using a grow bag fluff it up to loosen the media and perforate the underside before placing in the tray to improve aeration and drainage.
- 3 If growing outdoors remove the overflow plug, allowing any excess water that may accumulate during rainfall to escape. If heavy rainfall occurs turn your reservoir off until rain has stopped and the water has been drained / consumed. If growing indoors leave the overflow plug in place.
- 4 If using Tray2Grow with pots, trays, or planters always pre-soak the capillary matting and root control sheet before fitting.

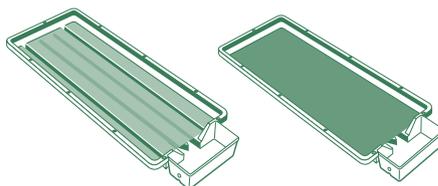


As with all AutoPot Watering Systems, irrigation is controlled by an AQUAvalve5. This power-free water control device sits in a compartment at one end of Tray2Grow. Directing the supply of water from the AQUAvalve5 to your container of choice are a network of channels in the base of the tray. Onto this you place capillary matting which draws irrigation up, through the root control sheet and into the growing container. When using grow bags, strips of capillary matting are laced into the optional spikes. The strips lie in the channels with the spikes pushed into the tray at intervals along its length. If you wish you can also supply nutrient solution via the reservoir. AQUAvalve5 is mineral and organic capable, giving you even greater scope to grow the way you want.



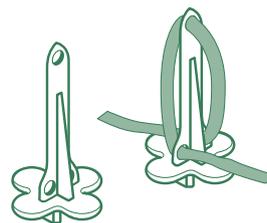
Above: Tray2Grow includes capillary spikes for growing with grow bags and capillary matting for pots trays and planters, plus four seed trays

Using Tray2Grow with pots, trays, and planters



A capillary mat is laid onto the base of Tray2Grow and tucked into the two outermost channels. A root control sheet is laid on top, onto which pots, trays, and planters can be placed.

Using Tray2Grow with grow bags



Small spikes laced with capillary strips are fitted into the base of Tray2Grow. The spikes pierce the grow bag and draw water up from the tray to irrigate it.

- ▶ One tray, five uses
- ▶ Irrigate grow bags or coco slabs with capillary spikes
- ▶ Irrigate pots, seed trays, or planters on capillary mat
- ▶ Gravity-fed, with no electricity required
- ▶ No running water, pumps, or timers necessary
- ▶ Can be left unattended for weeks

Tray2Grow Dimensions



Tray2Grow Contents

1x Tray2Grow Tray & Lid	1x 9mm tee connector
1x AQUAvalve5	3x Circular Spirit Level
2x 9mm Grommet	10x Capillary Spikes
1m of 9mm Pipe	1x Capillary Matting
16-9mm Click-Fit Filter	1x Root Control Sheet
1x 9mm Golf Filter	4x Seed Trays
1x 6mm Overflow Grommet	1x Slug Repellent Gold Tape
1x 9mm inline tap	

☺ Tips

- 1 Once your bag, planter, pots, or trays are in place and planted up water them through with a watering can. Allow your plants to take up this water before switching the system on.
- 2 In early stages irrigate judiciously. Consider switching Tray2Grow on and off intermittently in order for plants to take up irrigation.

- 3 As grow bags typically include some degree of feed within the grow media it's often best to supply plain water for a few weeks before gradually introducing liquid feeds via the reservoir and pipework.
- 4 If using pots or seed trays always ensure that they have holes on the underside that allow your grow media to be in contact with the root control sheet and matting beneath. This is essential in order for uptake of water and/or nutrients to occur



increase CO₂ levels by over 100%

CO₂ Generator features

- ▶ Stimulates vigorous growth
- ▶ Proven to increase productivity
- ▶ Specially formulated manure
- ▶ Activated by natural bacteria
- ▶ 6 month lifespan*
- ▶ Eco-friendly refills available
- ▶ 5L / 1.35 gal size for 1.2m / 4ft sq
- ▶ 10L / 2.7 gal size for 2.4m / 8ft sq

*lifespan may vary according to usage

Increase carbon dioxide concentration in your growing environment to more than double the normal PPM with the MotherNature CO₂ Generator.

Designed to operate in sealed grow room spaces such as greenhouses or horticultural tents, the CO₂ Generator is ideal for fast-growing, carbon dioxide-hungry crops. Plants grown in a concentrated CO₂ environment are proven to grow faster, thrive in higher temperatures, and bear bigger, better fruits and flowers.



Available Now!
CO₂ Refills

Depending on usage, the specially formulated compost and natural bacteria in your Generator will last up to six months. Once the contents of the Generator are depleted you can simply empty the Generator out, clean it down, and drop in a Refill. It's always handy to have a CO₂ Detector to give you an exact idea of CO₂ output levels and when a Refill is due. As with the contents of the complete Generators, the CO₂ Refills are packed 'dry', allowing you to easily store them without fear of degradation or any nuisance odours.

LED Growers - Save Money, Turbocharge Your Yield

CO₂ Generators allow you to utilise your LED lighting to the full. The abundant supply of CO₂ produced by a Generator means you can run your LED's at higher output levels, safe in the knowledge that any increased demand for CO₂ will always be satisfied. Combined, the heightened levels of growth producing light and carbon dioxide result in vastly enhanced yields.



Tips

- 1 Use a timer to pulse the CO₂ Generator during 'daylight periods' so that it operates for 5-10 mins and then turns off for 60 mins.
- 2 During the 'dark period' your timer should be set to shut the CO₂ Generator off. Whilst switched off during 'dark periods' the active CO₂ producing bacteria come to life, re-energising the CO₂ Generator.

- 3 Route the upper pipe of the Generator into the back of a circulation fan so CO₂ is distributed evenly throughout the growing environment.
- 4 Once depleted the natural bacteria and manure inside CO₂ Generator can be safely and productively disposed of as an ideal garden fertiliser.
- 5 The bacteria in CO₂ Generator are most productive at temperatures of 22°C / 71.5° F. When not in use, store the Generator 15°C / 59°F to preserve the natural bacteria and CO₂-producing manure.

RAPID ROOTS



Rapid Roots is an all-natural, 100% organic rooting gel designed to get cuttings and seedlings on the direct route to healthy, structured, swift development. Completely free from potentially harmful synthetics, Rapid Roots draws instead upon extracts of Bladderwrack seaweed. The seaweed is carefully prepared in order to preserve its rich stock of natural plant hormones, vitamins, trace elements, and other nutrients.

Bladderwrack grows in inhospitable intertidal zones of the sea. Its origins imbue the extract with anti-stress properties which are ideal for cuttings and very young plants. Hardiness and drought resistance are instilled from an early stage, predisposing your plants to robustness throughout their lives.

Uptake and transportation of nutrients is accelerated by Rapid Roots added extract of humic-rich Leonardite. By helping your plants feed more quickly and efficiently this mineraloid substance helps boost cell division and stimulates prolific growth.



Above: Bladderwrack extracts provide plants with a rich stock of natural plant hormones, vitamins, trace elements, and other nutrients.



Above: Humic-rich Leonardite enhances uptake, boosting cell division and growth

- ▶ 100% organic
- ▶ Packed with natural plant hormones
- ▶ Improves drought resistance
- ▶ Free from synthetics
- ▶ Preserves rich content of extracts
- ▶ Features uptake-boosting Leonardite



1 Dispense Rapid Roots into a small container.



2 Take your cutting and coat the bottom 2cm of the stem.



3 Transfer immediately into your rooting media of choice



4 Place inside a propagator and maintain in moist conditions.

Tips

- 1 Stabilise rockwool cubes to pH 5.5 and soil/peat rooting cubes to pH 5.8 prior to use, allow to drain before adding cuttings.
- 2 When stabilising your media of choice a few drops of Rapid Roots can be added to the soak to enhance the pre-loaded nutrient content.
- 3 When taking cuttings remove 1-2 cm more than is required from the plant, then trim your cutting down at a 45° angle using a scalpel.
- 4 If propagating on CocoMats (p 38) ensure that your rooting cube tray is flat based and perforated - allowing the cubes to make contact with the surface of the root control sheet beneath and facilitating uptake.



Struggling to fit a plastic reservoir into your car or home is now a thing of the past! FlexiTanks revolutionise water storage for every gardener, whether on a domestic or commercial scale. These tough, durable, yet lightweight fully collapsible reservoirs are available in a wide range of sizes to suit all uses, from 25L/6.6gal to 1000L / 265gal.

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.



Above: FlexiTank - lightweight, durable, fully collapsible reservoirs that require no tools for assembly.

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 can't go

FlexiTank Dimensions (when filled)



FlexiTank PRO™

flexi-tank.co.uk



The Revolution Refined. FlexiTank Pro offers even greater scope for growing with AutoPot Watering Systems in extreme climes. 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



Tapless FlexiTank Dimensions (when filled)



FlexiTank Pro Dimensions (when filled)





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.



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



AirBase Square for 1Pot and easy2grow modules



AirBase Square for 1Pot XL and FlexiPot modules

Give your plants a lift with AirBase. This handy plate fits into the bottom of your pot during set up and allows you to sidestep the use of a pebble layer for drainage. Whilst simple, cheap, and effective, the preparation, pH balancing, and use of pebbles can be a chore. Simply drop AirBase in instead and you're away. This essential addition even features a pop-out centre-section allowing for easy, optional integration with AirDome.

AirBase Square will fit our 8.5 L / 2.2 gal and 15 L / 3.9 gal pots, whilst AirBase Round is designed for both 25 L / 6.6 gal pots and 20 L / 5 gal fabric FlexiPots. A beautifully intuitive and effective innovation, AirBase is fabricated from tough ABS plastic making it highly durable and thus extensively reusable.

- ▶ Optimises rootzone drainage
- ▶ Saves time and money - no need to pH stabilise pebbles
- ▶ Removes the need for a pebble base layer
- ▶ Designed for easy, optional integration with AirDome



😊 Tips

- ① It is not necessary to force grow media into the holes of the AirBase, simply sprinkling some into the pot and shaking it into place will suffice.
- ② If using AirBase with AirDome always use an 'open' growing media with a minimum of 50% perlite to maximise aeration. (See p.41).
- ③ AirBase features notched routing especially designed for easy integration with the 6mm / 1/4" air line used by AirDome.
- ④ For increased plant count per pot and an easy-to-use drainage base see PotDivider (p. 28).

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, PotDivider is available in two sizes, one to fit our 8.5 L / 2.2 gal pots, the other for 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 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.



Strawberry toppers sit directly on 8.5L / 2.2 gal pots

»»



Fill pots with media, lay plants side-on

»»



Top plants off with a little extra media

😊 PotDivider Tips:

- ① It is not necessary to force grow media into the holes of the PotDivider, simply sprinkling some into the pot and shaking it into place will suffice.
- 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



Above: 4Pot Pro - A complete watering system including propagation lids.

- ▶ 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

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.



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

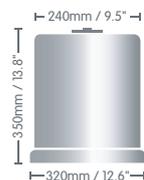
Dimensions



for use with



Dimensions



for use with



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.



Consistent Quality with GeoPot

AutoPot now offers G-Lite fabric pots from GeoPot. Available in four different sizes, the 3 gal and 5 gal sizes fit the XL System Module trays. XXL modules are served by 9 gal or 13 gal fabric pots.

Safe & Tough

Durable, reusable and constructed using a BPA-free, lead-free material, GeoPots 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. GeoPots achieve this through air-pruning. When root tips reach the porous side of a GeoPot 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 GeoPot sides also allows improved gas exchange in the substrate. Free to breathe the root zone can see dramatically enhanced oxygen levels – supercharging growth.

Dimensions



GeoPot 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.

GeoPot 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 GeoPot 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

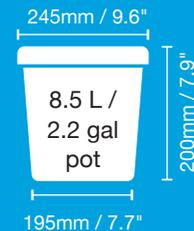


WhitePot 15L / 3.9 gal fits
a 1Pot or easy2grow Tray



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

Dimensions





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 L / 8 gal capacity and a flat based gardening tray with a minimum depth of 30mm / 1.2".



Tips

- 1 Use the spirit level on the AQUAvalve cover to ensure your 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 pages 42-43 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

easy2kit™ Propagate



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

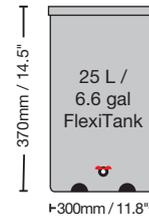
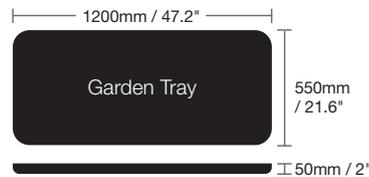
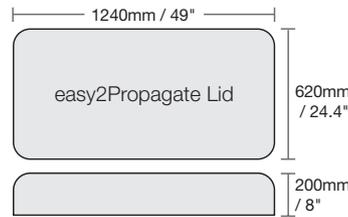


easy2Propagate Basic



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.
- 4 The CocoMats included with easy2Propagate should be treated before use. To do this, 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.

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 planters.
 AQUAbox Spyder is designed for larger raised beds and allotments.

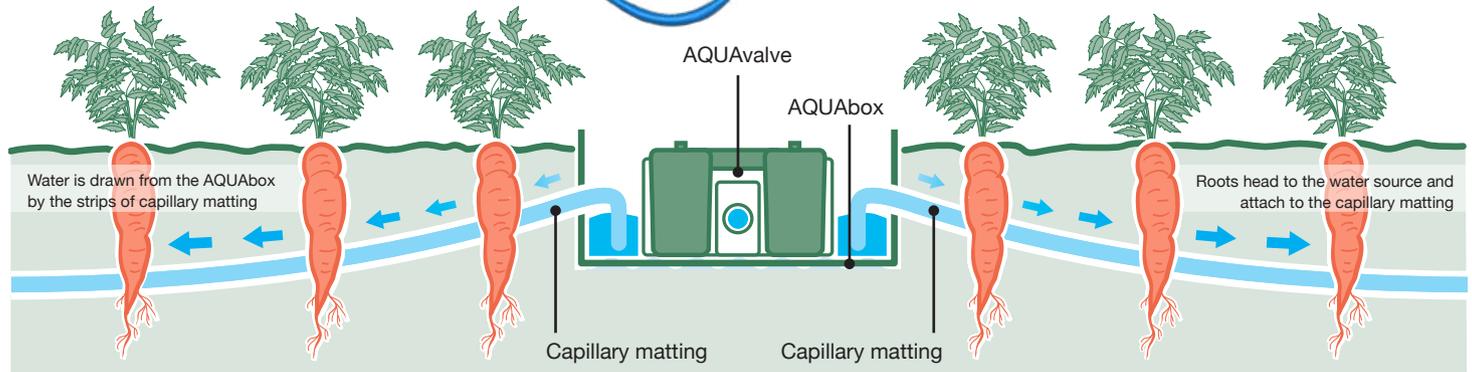


AQUAbox
Straight

AQUAbox
Spyder

3D

How the AQUAbox works



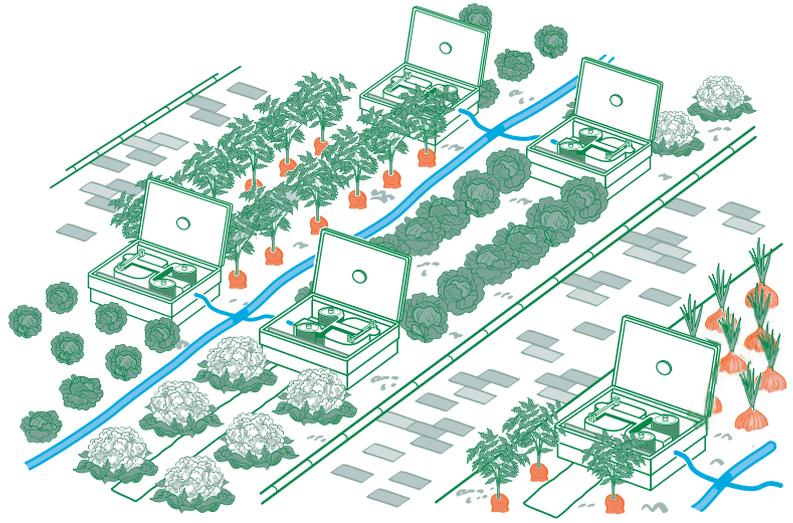
😊 Set Up Tips

- ① Ensure the AQUAbox is level in the soil by using the circular spirit level in the lid.
- ② Connect multiple AQUAbox Straights or Spyders 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.



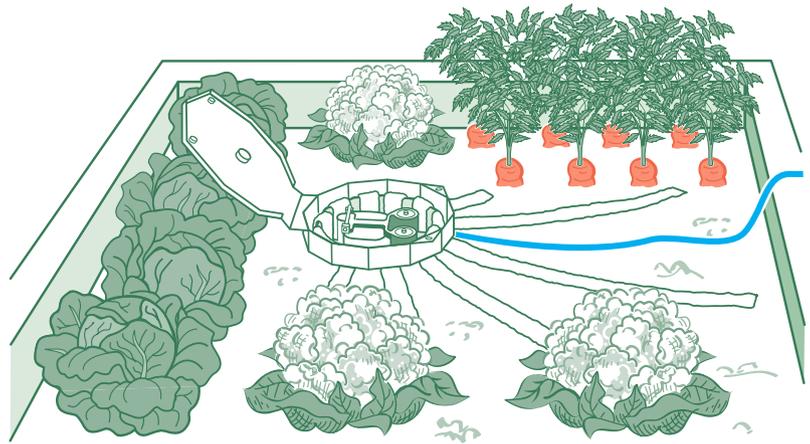
AQUAbox Straight can be set up with a single strip of capillary matting running in one direction. Alternatively the strip can be cut in two with each strip fitted either side of the AQUAbox, so that they run out in opposite directions. This makes it ideal for narrow raised beds and planters. It is the perfect in-earth solution to low maintenance feeding and watering where space is at a premium.

Each AQUAbox Straight irrigates a growing area up to 1.2 m in length.



With AQUAbox Spyder the capillary matting strips radiate out from the AQUAbox in all directions, offering coverage of up to 360°. Alternatively the strips can be attached in a reduced arc so as to concentrate feeding and watering as required. This makes AQUAbox Spyder ideal for wider areas such as raised beds or allotment plots.

Each AQUAbox Spyder irrigates a growing area of up to 1 m x 1m



🗨️ Growing Tips

- ① During early stages of growth it may not be necessary to have all strips 'active', this is especially true in the case of AQUAbox Spyder.
- ② Strips can easily be 'deactivated', with supply to a given area paused even with the AQUAbox in position and the strips themselves buried.
- ③ To deactivate a strip simply tuck the end of the strip in the AQUAbox up and away from the water supply.
- ④ Deactivated strips can be reactivated as requirements increase, this is especially handy with crops such as tomatoes and pumpkins.

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:



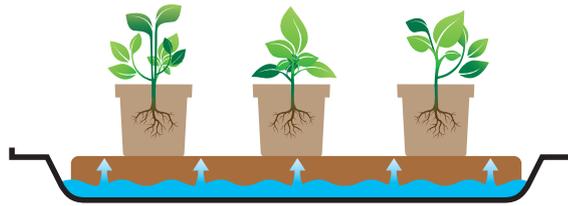
51cm x 30cm x 3cm
/ 20" x 12" x 1.2"
with Root Control Sheet *



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!



EASY2FLOW™

easy2flow

Easy2Flow is a bioenzyme-based microbial solution that is formulated using beneficial bacteria. It will not only rapidly digest & break down biofilm clogs, but also break down mineral, scale and other organic compound clogs in addition to keeping your reservoir free from accumulations/build up. Unlike acid/peroxide or other chemical treatments, Easy2Flow is an organic solution that won't harm plants or soil and can be used throughout the plant's growing cycle. In most cases, it takes just 8 hours to restore irrigation lines and emitters to 100% functionality.

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" in-line filter



16 – 9mm / 3/8-1/2" in-line filter



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

CASE STUDIES

The Oxfordshire Chilli Farm, U.K.

The Oxfordshire Chilli Farm (Plantasia) have been growing capsicums using AutoPot Watering Systems for 10 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 13-time RHS Chelsea Gold Medallist, Medwyn Williams MBE (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.



Sakata Seeds, Lincolnshire, U.K.

If you know Tenderstem® broccoli you know Sakata. The all-in green is perhaps the Japanese company's most famous innovation. However, Sakata have spent over a hundred years reimagining a vast number of other crops via selective breeding. Whatever the variety their ultimate goal is to create greener, easier to grow produce that can thrive in all environments, reducing carbon footprints and increasing local food security around the world. An initial AutoPot trial at their U.K. base has rapidly expanded into full-blown seed production using a 350 plant system comprised of 15L / 3.9 gal 1Pot modules.

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

XXL9 & 13 / GeoPot: 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 (both gold face up)

XL: RCD in pot gold face down

XXL9 & 13 / GeoPot: 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 fertilizers 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.

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