



HIGHLIGHT
HORTICULTURE



HIGHLIGHTHORTICULTURE

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Product Catalogue 2019/20

Welcome to our new 2019 catalogue, it's been a while coming and we have worked long and hard to get it finished. As well as including your favourite products, we've got lots of new items to show you and plenty more arriving soon.

Highlight Horticulture started trading from a small high street shop in Mansfield, Nottinghamshire in 1994. It was the idea of two good friends trying to spread the word about different, progressive and modern growing techniques to the public. It was one of the very first hydroponic retailers in the UK. We started to supply at a wholesale level to the ever-growing number of UK stores in 2005

Since that time, we have developed into one of the largest homegrown companies in the British supply chain. We still have a small retail outlet and that helps to keep us grounded in, and connected too, the wants and needs of you, the stores that continue to make the UK the dynamic, vibrant and thriving scene that it is today.

This year we have introduced what we think is the most comprehensive, flexible and Industry leading rewards scheme **HIGHLIGHTOPTIONS**. This covers all our nutrient ranges and substrates and is our way of saying thank you to you guys for your continued support for what we do. We will try our hardest to continue to provide you with great products at great prices, with fast, friendly and knowledgeable service.

'we keep you growing'

David Oates MD

 This catalogue is printed on 100% recycled paper

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new products

Here at Highlight Horticulture we are always scouring the world for new and innovative products to add to our range.

New products are extensively tested and researched in real life situations to challenge manufacturers claims before introducing them to our customers.

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0441

Na

nutrients &
additives



"Coco growers that really want the best choose CANNA Coco" It's a sophisticated combination of high value Coco substrates and fertilisers that guarantee the best results.

Coco peat is the leftover material after the fibres have been removed from the outermost shell (bolster) of the Coconut. CANNA, a leading pioneer, was impressed by the potentials of this product. After many years of research, CANNA successfully created a new medium complete with a special Coco nutrient solution. During its launch, CANNA was the first company to introduce RHP certified CANNA Coco to the market.



Coco A/B

grow and flower Coco nutrient

Coco A & B is a complete professional nutrient for growing plants in Coco. It contains all the essential elements for optimal growing and flowering.

Thanks to the special characteristics of Coco substrate CANNA Coco doesn't have a Vega and Flores variant, but there is one unique formulation for both the growth and blooming phase. We can't make things easier!

CANNA Coco is easy to use, dissolves directly and is extremely suitable for growing in all watering systems, like for example run-to-waste systems, flood and drain systems and ebb and flow systems.

Coco Complete A&B 1L 00254 5L 00751 10L 00253 Coco A 1L 00747 5L 00749 10L 00745 Coco B 1L 00748 5L 00750 10L 00746



Coco Natural

buffered Coco

CANNA Coco Natural is a natural plant medium that offers the gardener and his plants advantages over other substrates.

CANNA Coco Natural consists of 100% Coco flakes, produced in India while processing Coconut shells.

For more info see page 52
in the Growing Media section

Coco Natural 50L 01738



Coco Professional+

premium buffered Coco

CANNA Coco Professional Plus is a product with a homogeneous structure and has had a full buffering, eliminating the side effects of growing on coir.

Thanks to CANNA's unique production process CANNA Coco Professional Plus is free of harmful viruses and soil diseases.

For more info see page 52
in the Growing Media section

Professional Plus 50L 00737



Coco Pebble Mix

60/40 mix

The newest addition to the CANNA family, CANNA Coco Pebble Mix is a mixture of 60% CANNA Coco Professional Plus and 40% CANNA Aqua Clay Pebbles.

For more info see page 53
in the Growing Media section

Coco Pebble Mix 50L 05066



Since they were launched, Terra Vega and Terra Flores have become the most used nutrients worldwide for cultivating short cycle and fast growing plants in potting mix. CANNA TERRA's composition has been adjusted to suit these type of plants. Terra Vega and Terra Flores contain all the nutrients needed, in a form that can be absorbed directly ensuring that optimal intake is guaranteed from the start of cultivation.

When the TERRA nutrients were in development considerable attention was given to the interactive processes that exist between the feeding and the growing medium and because of this you should have no worries about the quality of CANNA nutrients throughout the entire process of cultivation.

Do you want the best of the best? Then you should choose CANNA's potting mixes as well as their TERRA nutrients. Three mixes are available: CANNA Terra Seedmix for seeds and cuttings, CANNA Terra Professional for the new grower and CANNA Professional Plus for the biggest harvests possible. These mixes are absolutely ideal as far as their structure and the pre-fertilisation are concerned.



Terra Vega potting mix grow nutrient

The development of vital, young side shoots and good root development is characterised by healthy, fast growth. This is the basis that's needed for achieving top results.

Terra Vega contains all the nutritional elements that the plants need during this phase.

Terra Vega works universally and is suitable for use with all types of potting mixes.

Terra Vega 1L 00332 5L 00333 10L 00334



Terra Flores potting mix flower nutrient

It is certainly desirable that all the nutritional elements that the plants need should be directly available in the correct proportions during their exuberant flowering phase. It is for this reason that Terra Flores contains all the nutritional elements that the plants need during the flowering phase. The plants' need for nitrogen reduces just as their need for potassium and phosphate greatly increases during the growing phase.

Terra Flores 1L 00335 5L 00336 10L 00337



Terra Seed Mix starter potting mix

This is a Germination Revolution.

Only the best is good enough to germinate seeds.

That's why CANNA developed a special seed mix.

For more info see page 53 in the Growing Media section

Terra Seed Mix 25L 01415



Terra Professional potting mix

CANNA Terra Professional is an enriched growing medium that conforms to the strictest RHP standards.

For more info see page 52 in the Growing Media section

Terra Professional 50L 01328



Terra Professional+ premium potting mix

CANNA Terra Professional Plus is made up from 100% organic raw materials each of which is of the highest possible quality.

For more info see page 52 in the Growing Media section

Terra Professional+ 50L 01329



There is a reason there are special nutrients for this growing method. Not every substrate is usable if you're growing on a recirculating system.

Ebb and flow systems and the drip system can be used in combination with a substrate. Most nutrient systems for recirculating systems assume that an inert substrate is used.

An inert substrate is a substrate that does not withdraw nutrients from the nutrient solution, nor does it add them. This does not mean it will not affect the pH of the medium, rockwool is an example of an inert medium that does not affect the EC but does raise the pH level. Soil is not an inert substrate, as soil contains nutrients that, if they are also in the nutrient solution, would result in an excess of certain elements.

Aqua Vega

recirculating system nutrient

CANNA Aqua Vega is a fast working nutrient for plants containing all the essential elements for optimal growing. The growing phase is important, because during this phase the plants lay the basis for an exuberant bloom and yield.

Aqua Vega is used in recirculating systems, such as NFT or ebb and flow systems.

Due to the special composition of this nutrient, it is not necessary to adjust the pH levels after setting it initially.

Aqua Vega ensures a strong plant with vital growth spurts and excessive root development.

Directly absorbable nitrogen compounds, high quality EDDHA iron chelating agents and trace elements guarantee an ideal start for the bloom.

Aqua Vega Complete A&B 1L 01018 5L 01114 10L 01115 Aqua Vega A 1L 02486 5L 02488 10L 02484 Aqua Vega B 1L 02487 5L 02489 10L 02485

Aqua Flores

recirculating system nutrient

CANNA Aqua Flores is a complete nutrient for plants, containing all the essential elements for optimal flowering.

Aqua Flores is used in recirculating systems, such as NFT or ebb and flow systems.

In the plant's exuberant generative (blooming) phase, it is vitally important that all necessary nutrients are available directly and in the right quantities.

Aqua Flores stimulates the growth of fruits and contains all necessary elements that are required during the blooming phase. For example, the plant requires less nitrogen during the blooming phase. However, the need for potassium and phosphorous is greater. Aqua Flores is rich in these elements and special chelated trace elements allow direct absorption resulting in a perfect bloom.

Aqua Flores Complete A&B 1L 01017 5L 01117 10L 01116 Aqua Flores A 1L 02480 5L 02482 10L 02478 Aqua Flores B 1L 02481 5L 02483 10L 02479

Aqua Clay Pebbles

hydroponic substrate

CANNA Aqua Clay Pebbles are baked clay pellets that form an ideal substrate for use by experienced growers.

Use at the bottom of Coco filled pots to aid drainage or mix with other substrates.

For more info see page 53 in the Growing Media section

Aqua Pebbles 20L 04729 45L 00299

CANNA HYDRO

Since their launch CANNA Hydro Vega and CANNA Hydro Flores are used worldwide by many satisfied growers. The composition of the products in the HYDRO product range is adapted to the needs of fast growing plants.

CANNA Hydro Vega and CANNA Hydro Flores contain all the elements a plant requires in a form that can be absorbed directly, guaranteeing an optimal uptake as soon as the plant begins to grow. This results in maximum yield and full flavour.

When growing in hydro culture the plant is 100% dependent on the nutrients provided in the irrigation water. And because this irrigation water is usually based on tap water CANNA has optimised its products for different types of tap water.

The products are designed to prevent salts accumulating which are damaging to the environment.



Hydro Vega inert media food

CANNA Hydro Vega is a complete nutrient for the growth phase, specially developed for cultivation on inert media. Fast and healthy growth is characterised by vigorous shoots and good development of the root system and this forms the basis for achieving top results. CANNA Hydro Vega contains all the nutrients a plant needs in this phase. You will need to apply the nutrient solution 1 to 3 times a day.

You must also ensure that the drainage is such that 10 to 20 percent of the irrigation water with nutrients leaves the growing media. Under normal circumstances you will need 3 to 5 litres of nutrient solution per square metre per day.



Hydro Flores inert media food

CANNA Hydro Flores is specially developed for use during the flowering phase. During the plant's exuberant flowering phase all nutrients must be available quickly and in the right quantities for the plant to absorb directly.

So again, when using CANNA Hydro Flores, ensure that the drainage is such that about 10 to 20 percent leaves the growing media. This usually means applying 4 to 6 litres per square metre per day.

This will ensure that all elements are directly available to the plant when the plant actually needs them.



COGr consists of a specially formulated mixture of Coco husks, Coco fibre and Coco granulate. This medium offers the advantage that it is aerated, therefore making it easier to control. This results in faster root development and a higher yield! COGr is compressed and dried, for easy transportation and storage. This makes it ideal for the demanding grower.

Three revolutionary fertilising products have been developed especially for use with COGr. COGr Buffer Agent, COGr Vega and COGr Flores.

These products provide the plant with optimal conditions for rooting, growth and bloom. COGr can be reused up to 3 times without any loss of quality. The COGr range is a proven system that is rapidly becoming the method of choice for growing in Coco slabs in Holland. At the heart of this system are compressed un-buffered slabs of Coco that require you, the grower, to soak with the special COGr buffering agent. Then feed with a dedicated COGr Vega feed during the vegetative stage switching to COGr Flores during the flowering period. These nutrients contain added humic and fulvic acids for improved nutrient uptake as well as silicon for increased resistance to pests and disease.



COGr Vega

COGr Boards grow nutrient

COGr Vega is a complete professional nutrient for the growing period of plants in COGr boards. COGr Vega ensures healthy and strong plants that produce long, vigorous growth shoots.

COGr Vega contains all the essential elements for optimal growing. COGr nutrition also contains pH-stabilisers and humic and fulvic acids. COGr nutrients in combination with COGr growing substrate are the ideal combination for the experienced and demanding grower.



COGr Flores

COGr boards flower nutrient

CANNA COGr Flores is a complete professional nutrient for the blooming period of plants in COGr boards. It stimulates fruit development and provides an unequalled juice production and large fruits. COGr Flores in combination with COGr growing medium is the nutrient for the experienced and demanding grower.

COGr Flores contains all the essential elements for optimal flowering. COGr nutrition also contains pH-stabilisers and humic and fulvic acids.



Buffer Agent

calcium and magnesium buffer

CANNA COGr Buffer Agent is a special liquid that is used to soak and buffer COGr boards.

CANNA developed this agent especially for the preparation of this growing medium.



COGr Slabs

compressed cogr

At the heart of the COGr line lies the COGr board. This board consists of a sophisticated mix of Coconut grit, Coconut fibre, and Coconut granulates.

For more info see page 54 in the Growing Media section



At CANNA we see more and more people choosing to grow organically. In fact, over the past decade, organic products have become the fastest growing sector of agriculture, with an annual increase of at least 20 percent. And going from their positive responses and findings, we expect this trend to continue, and for organic growing to become the growing method of the future.

Almost everyone has an opinion or something to say about organic growing, but it's not clear to everyone exactly what the term means. For many people, the choice to 'grow organic' is an emotional one. It expresses respect for all forms of life: growing in an honest and sustainable way. In practice this means that no fertilisers, pesticides, synthetic growth promoters and the like will be used and that the aim is to work with nature in a balanced manner.

BIOCANNA fertilisers are guaranteed 100% organic and especially developed for cultivation in potting mix. Products grown with BIOCANNA fertilisers may be called biological or ecological, provided they are grown biologically and in accordance with the international CU guidelines.



Bio Vega bio grow nutrient

Bio Vega has been developed especially for the plants' growth phase. Bio Vega is rich in highly absorbable betaine nitrogen that is released according to the plant's needs. The bio active substances in Bio Vega stimulate the root development and the formation of strong growth shoots.

Bio Flores bio flower nutrient

Bio Flores was developed for the blooming phase of plants. Due to the fact that Bio Flores is made of plant material it provides many of the necessary minerals in the correct proportions.

In addition to these minerals, the fermented plant-material also contains substances such as Betaine and a lot of amino-acids, which provide the plant with extra blooming power.

Bio Vega 1l 01330 5l 01331 Bio Flores 1l 01332 5l 01333



Bio Rhizotonic bio root stimulant

The most powerful root stimulator for organic growing. Bio RHIZOTONIC is a 100% natural, organically certified root stimulator (OMRI) Bio RHIZOTONIC contains a range of vitamins, including vitamins B1 & B2.

Bio RHIZOTONIC stimulates the development of root hairs, root tips and increases the plant's resistance. A powerful root system ensures that the plant can absorb more nutrients and grows faster. Bio RHIZOTONIC has a noticeably vitalising effect on plants.

Thanks to Bio RHIZOTONIC the plants extend their roots throughout the subsoil more quickly.

Bio Rhizotonic 25L 01687 1L 01743



Bio Boost bio plant stimulant

BioBOOST is a yield increasing agent for all cultivation systems and can be applied in combination with all CANNA's nutritional lines and additives.

BioBOOST is not a nutrient but a natural fermented plant extract with bloom stimulating characteristics that are also responsible for a fuller flavour.

BioBOOST was developed by CANNA Research from plant extracts from tropical rainforests and is a true boost for plants.

Bio BOOST 250ml 01335 1L 01334



Bio Terra+ bio potting mix

CANNA Research has succeeded in developing a certified, organic soil that meets international organic standards.

Bio Terra Plus is made up of 100% natural materials and as such can also be used for organic cultivation.

For more info see page 53 in the Growing Media section

Bio Terra Plus 50L 01684



Rhizotonic

powerful root stimulant

CANNA RHIZOTONIC is a powerful, algae based, vegetative stimulator for plant roots. It contains multiple vitamins and is 100% natural. RHIZOTONIC adds more than 60 microbiological substances that considerably speed up the growth of a balanced root environment.

Besides stimulating root growth on plants that are already rooted, RHIZOTONIC also stimulates new root growth on cuttings and transplants. The various trace elements and vitamins such as B1&B2 stimulate the production of hormones and root growth, thus providing beautiful, strong white roots.

Good results start with a healthy plant. Because RHIZOTONIC stimulates root growth, it improves the strength of a plant. This is especially important during the first weeks of a plant's life, since young plants are the most vulnerable. RHIZOTONIC stimulates further root development, increases the plant's resistance to diseases and promotes its inner and outer strength.

Rhizotonic 250m 01687 1L 00343 5L 01895 10L 01314



CANNAZYM

a unique blend of enzymes

CANNAZYM is a high-quality enzyme product that speeds up the process of breaking down dead root material and activates beneficial micro-organisms. CANNAZYM also helps plants take up nutrients and increases the resistance against diseases. Enzymes are substances that speed up the reactions in living organisms. For example, enzymes play a vital role in our digestion.

They turn dead roots into minerals and sugars. This is important, because these minerals and sugars make up a valuable source of nutrients for the plant. CANNAZYM consists of more than 12 different kinds of enzymes to which vitamins and extracts of desert plants are added. These elements improve the uptake of nutrients and the plant's defence system. Also, vitamins stimulate the production of hormones.

CANNAZYM improves the soil environment. A fast breakdown of root remains creates a balanced hydrological regime and good aeration in the root environment.

CANNAzym 250ml 01609 1L 00330 5L 00331



PK 13/14

super bloom booster

The nutrients potassium and phosphorus are essential for flowering and fruit setting plants. CANNA PK 13/14 is a quality mixture of potassium and phosphorous compounds. CANNA PK 13/14 dissolves easily in (tap) water and is therefore immediately available.

Use CANNA PK 13/14 from the moment the flower bud develops or at the onset of fruits.

15ml CANNA PK 13/14 per 10ml nutrient solution.

CANNA only uses high grade nutrients and chelates which are immediately and completely available for the plant.

PK 13/14 250ml 01610 1L 00345 5L 00346



BOOST Accelerator

plant metabolic stimulant

CANNABOOST Accelerator was launched by CANNA in 2007 after an extensive research project to develop a better plant growth booster than anything available on the market. The resulting product is a liquid metabolism elicitor with high energy content, and with no added plant growth regulators.

In CANNABOOST, the oligosaccharide polymer is one of the important elements, with the specific group of oligosaccharides of interest coming from the breakdown of the plant cell as well as the fermentation of micro-organic cells into carbohydrates of a specific length and form.

Then the fermentation process begins that reduces these simple sugars into ethanol. This ethanol is removed, and the remaining components are converted into what becomes CANNABOOST: a specific mixture of oligosaccharides, polysaccharides, amino acids, proteins, other polymers, and other compounds.

Boost Accelerator 250m 01579 1L 01580 5L 01581



CANNA Start

initial plant nutrient

CANNA Start is a balanced one-part nutrient for seedlings and (rooted) cuttings. CANNA Start can be used on various substrates like rock-wool plugs, Coco pellets, jiffy plugs, seed-mixes and most other propagation media, except re-circulating systems and clone machines. Propagation media are media on which you can reproduce plants.

CANNA Start gives you all the micro- and macro nutritional elements for a seedling or cutting to develop into a strong healthy plant.

Only one bottle needed. CANNA Start is a complete one-part nutrient, meaning it contains all the elements needed in one bottle. (No A and B versions needed)

CANNA Start 500ml 01888 1L 01889 5L 01890



CANNA Flush

fast nutrient flush

CANNA Flush is a product to clean substrates and plants from any excess nutrients. Excess nutrients in the root zone of a plant can lead to over-fertilisation or malnutrition, for example.

When used just before harvest it makes sure the plant gets rid of all excess, which will lead to a clean and tasteful harvest.

CANNA Flush effectively cleans the substrate without killing any useful bacteria or beneficial fungi, as can be the case when you use reverse osmosis or de-mineralised water.

It can be used on all substrates.

CANNA Flush is recyclable.

CANNA Flush 250ml 01891 1L 01892 5L 01893



CANNACURE

plant leaf coater

CANNACURE is an unique leaf nutrient that prevents and controls plant pests and mildew. It's environmentally friendly and free of toxins. CANNACURE ensures healthier plants, bigger flowers and increased yields.

It is very important that CANNACURE is applied thoroughly on both sides of the leaves. Use CANNACURE once a week as a preventive measure, to make sure that plant pests cannot attack the leaves. If you have a heavy infestation of mildew, whitefly, spider mites or mealy bugs, for example, spray every three days and repeat, if necessary, after a further three days. Then continue spraying weekly as normal.

CANNACURE can be used from the beginning of growth until harvesting, alongside your normal feeding routine.

CANNACURE, the right choice.

CANNACURE 750ml (RTU) 02405 1L 02406 5L 02407



Calmag Agent

water conditioner

In response to popular demand, CANNA has produced a CALMAG AGENT. You can use this product to raise the Calcium and Magnesium content of your soft water, which will increase the EC of it. It will improve your water to make sure your plant can grow strong and healthy.

- Fewer deficiencies
- Increase in nutrient uptake
- Stronger plants
- Stimulates better quality flowers
- Highly concentrated
- Increases the EC of your water
- Less nutrients required

Calmag Agent 1L 05174 5L 05175 10L 05176



Iron

CANNA Iron helps a number of important functions in the plant's total metabolism and that makes it an essential element. It plays the major part in photosynthesis and a large part in the production of chlorophyll. Furthermore it has a big influence on physiological processes and on the energy system.

CANNA Iron is chelated so can be absorbed by the plant directly, can be mixed with all fertilisers and is pH stable. It is a perfect product to replenish iron deficiency and to stimulate the growth and bloom.

Iron (Fe) Plus Mono 1L 00355

Magnesium

CANNA Magnesium is essential for photosynthesis. It is an essential atom in chlorophyll. Furthermore, magnesium influences other pigments and physiological processes. This makes it an essential element in the development of the plant.

CANNA Magnesium can be directly absorbed by the plant and therefore the effects can be seen quite soon. It can be used as a fertiliser for magnesium deficiency and as a supplementary nutrient to stimulate the growth and bloom.

Magnesium (MgO 7) Mono 1L 00354

Trace Mix

CANNA's TRACE MIX consists of several trace elements that are essential for the development of your plants. These trace elements are used for several enzyme systems and therefore have an influence on the development of plants.

TRACE MIX is a mineral fertiliser, which is extremely suitable as a supplementary nutrient to stimulate the growth and bloom of plants. Besides that it can serve to reduce the deficiency of trace elements.

Trace Mix Mono 1L 00356

Potassium

Optimally improve the quality and quantity of the flower by using CANNA Organic Potassium.

This organic product makes the cell wall stronger and in addition increases the resistance.

CANNA Organic Potassium improves the production of proteins, bloom, and carbohydrates. It also improves the water management and the transport of water and nutrients in the plant.

This fertiliser should not be mixed with magnesium and fertilisers containing calcium. As potassium fertiliser it can be used for example when there is a potassium deficiency.

Potassium (K 20%) Mono 1L 00352

Calcium

The plant tissues are optimally stabilised by using CANNA Calcium. It stabilises the cell wall, influences growth hormones and regulates the transport of water and nutrients in the plant. In addition liquid calcium can be directly absorbed by the plant, so that the cell tissue is immediately strengthened.

CANNA Calcium can be used as calcium fertiliser to replenish a deficiency or as a supplementary nutrient to stimulate growth.

Calcium (Ca 15%) Mono 1L 00353

Phosphorus

CANNA Phosphorus influences the bloom and the secondary metabolites and can in addition directly be absorbed by the plant due to its liquid form.

CANNA Phosphorus is the perfect product for stimulating the bloom or cure a phosphorus deficiency in the plant.

It is an essential element that plays a major part in the plant's energy system.

Phosphorus (P 20%) Mono 1L 00351

Nitrogen

CANNA Nitrogen stimulates the growth of your plants.

It plays a major part in the production of proteins and in the energy metabolism, which is essential for the development of the plant. It can be used for nitrogen deficiency and as a supplementary nutrient to stimulate the growth.

CANNA Nitrogen is also an essential nutritional element for improving the juice production.

The liquid can be directly absorbed by the plant and improves the vegetative growth.

Nitrogen (N 17%) Mono 1L 00350



Maintaining the right pH-value is crucial to your plant's ability to take up nutrients. That's why CANNA developed the pH-series.

This series contains pH-adjusters which can be applied throughout the complete cultivation cycle. To bring the pH down, there is CANNA pH-. To adjust the pH upwards you can use CANNA pH+.

pH- PRO

The pH scale is logarithmic, which means that each unit of change equals a tenfold change in the concentration of hydrogen or hydroxide ions.

To put this another way, a pH 6.0 solution is 10 times more acidic than a pH 7.0 solution, and a pH 5.0 solution would be 10 times more acidic than the pH 6.0 solution and 100 times more acidic than the pH 7.0 solution. This means that if you want to adjust the pH of your nutrient solution by 2 points (for example from 7.5 to 5.5), you would have to use 10 times more adjuster than if you were moving the pH value just 1 point (7.5 to 6.5).

pH+ PRO

Always add the nutrients to the water before checking and adjusting the pH of your solution.

The nutrients will usually lower the pH of the water due to their chemical make-up. After adding the nutrients and mixing the solution, check the pH using whichever method you prefer and decide whether you need a product to raise or lower the pH.

Add small amounts of pH adjuster. Stir very well and check the pH again. Repeat the above steps until the pH reaches the desired level.

Organo Acid pH-

CANNA Organo Acid can be used as an organic alternative for CANNA pH-.

It can be used to bring down the pH values in your water or substrate. Maintaining the right pH value is crucial for your plant's ability to take up nutrients. It also serves as an alternative for nitric acid and phosphoric acid.

D-Block

CANNA D-Block is an organic product based on anionic detergents. It cleans and prevents obstructions in drip and spraying systems during cultivation. It also prevents the build-up of precipitant.

Use CANNA D-Block pre-emptively with every irrigation (the product is completely non-toxic) and make sure that the pipes and dripper remain wet internally between irrigations.

Before every new crop, it is advisable to fill the system with clean water and D-Block (with an adjusted pH of 5.2) to protect the system and prevent any obstructions during the next cultivation.



From planting seed to picking the first produce, Biobizz® are leaders in their field when it comes to eco-friendly crop cultivation. Potting soil, liquid fertilizers, substrate enhancers – They produce a huge range of 100% biological products for all kinds of plants. In fact, ever since they began in 1992, Biobizz has helped people grow successfully and organically, with no earth-hating chemicals in sight.

GREEN THINKING

Our philosophy is pure and simple. To be ecologically aware and make the organic cultivation of crops accessible for everyone, without leaving behind any negative impact on the environment'.

Bio-Grow® bio grow nutrient

You can apply this liquid growth fertilizer to most types of soil and substrate mixtures. It has 100% Dutch organic sugar beet extract at its base – commonly known as vinassee.

This by-product of turning sugar beets or sugar cane into sugar is created by a natural fermentation process. Starches in the sugar are then treated with enzymes to produce glucose that, along with other plant nutrients, help produce a rich food source for soil microbes, boosting their populations for a more productive soil.

The natural sugars and potassium in Bio-Grow activate the bacterial flora in the substrate to guarantee you an ample harvest of deliciously sweet fruit.

Bio Grow 500ml 02904 1L 02884 5L 02908
10L 02916 20L 05757

Bio-Bloom™ bio flower nutrient

Hoping for exuberant flowers that lead to tasty fruits? Then this complete liquid organic fertilizer, as its name suggests, is what you need.

It contains the optimum blend of nitrogen, phosphorous and potassium, along with enzymes and amino acids – all working together in perfect harmony with the soil. Trace elements and hormones of vegetable origin have also been added to help create a strong stemmed and vigorous flowering plant.

Potassium and phosphorus help the buds, calyces and petals to form and grow. Potassium especially, works with the natural rhythm of the plant throughout the day and night which helps trigger the flowering process.

Bio Bloom 500ml 02917 1L 02918 5L 02907
10L 02919 20L 05758

Fish-Mix™ bio substrate enricher

This rich infusion of organic fish emulsion from the North Sea, mixed together with extract of Dutch sugar beet helps accelerate the growth of all living organisms in the substrate. It also stimulates the production of micro-organisms and useful bacteria in all types of soil and Coco-based substrates. It's good to know that its in keeping with our strict organic farming requirements.

Fish-Mix™ is not extracted with acids or stabilised with BHT (butylated hydroxytoluene) – a synthetic preservative. Even after a few days of use, it will have transformed poor quality earth into rich, fat soil – full of the natural minerals your plants are hungry for.

Fish Mix 500ml 02920 1L 00952 5L 02921
10L 02922 20L 05766

Root-Juice™ bio root stimulant

Made entirely from vegetable ingredients and designed for organic gardening, Root-Juice™ combines two amazing natural substances: premium humic acid and seaweed. It's specially formulated to encourage vigorous root development and enhance the natural biological life that surrounds and supports your plant's root system.

Right from the start, Root-Juice™ helps with the initial roots stage as well as the growth of plants that have already rooted. This ensures the plant is better prepared to absorb nutrients more quickly – resulting in a strong, resilient crop and a guaranteed good harvest for all plant breeders.

Root Juice 250ml 02905 500ml 05729
1L 02912 5L 02927 10L 05767 20L 05762



ALG•A•MIC™

bio plant rescue mix

Stress-free, happy plants generally produce larger fruits.

Alg-A-Mic™ comes to the rescue if they've suffered from overfeeding, deficiencies, diseases or fluctuations in temperature. It also ensures green leaves, by stimulating chlorophyll absorption.

As early as 3000 B.C., seaweed has been harvested for food, medicine and fertiliser.

Alg-A-Mic is made from a high grade, organic seaweed concentrate extracted through cold pressing, rather than chemical solvents. This high level of natural nutrition caters to the whole spectrum of a plant's needs, resulting in plenty of verdant green foliage.

Algamic 500ml **02924** 1L **02911** 5L **02925**
10L **02926** 20L **05761**

Top•Max™

bio flower stimulant

This 100% organic flowering strengthener contains ingredients that can help increase the actual size and weight of the flower clusters. Nutrient uptake is improved. Plants grown result in sweeter, smoother tasting crops. How it activates the flow of nutrients is essentially down to how it's able to free up the minerals calcium, iron and magnesium in the soil, which stimulate the plant's metabolism.

Top-Max™ is incredibly effective because of the humic acids it contains. The main source of these is the ancient substance Leonardite.

Top Max 500ml **02909** 1L **02886** 5L **02906**
10L **02923** 20L **05759**

Bio•Heaven™

bio plant booster

Your plants will look forward to complete, all-round nirvana with Bio-Heaven™.

It contains carefully selected biological stimulants, such as amino acids – the basic building blocks for proteins and enzymes that are essential for the plant's structure and metabolism.

It improves the effects and translocation of nutrients in all foliar sprays and fertiliser blends. It also gets rid of toxins through boosting the plant's anti-oxidant system and repairs chlorophyll production.

Bio-Heaven™ stimulates enzymatic activity and fast nutrient absorption, while increasing the chelate of essential macro and micro-nutrients. Plants are also better able to retain moisture and experience less humidity stress as a result.

BioHeaven 250ml **02928** 500ml **02910**
1L **02929** 5L **02930** 10L **05768** 20L **05760**

Acti•Vera™

bio health promoter

Acti-Vera™ has been designed to protect the immune system, increase metabolism and enhance nutrient absorption in all sorts of plants.

Acti-Vera™ makes plants stronger and healthier, both inside and out. It protects and activates the immune system, increases germination and plant metabolism – breaking down sugars and enhancing nutrient absorption.

It really is a super, natural power product for plants and it's 100% vegan.

Acti Vera 250ml **05914** 500ml **05364** 1L **05365**
5L **05915** 10L **05916**

Leaf•Coat™

bio plant leaf coater

Leaf-Coat™ is a ready-to-use product that strengthens and protects plants against unwanted insects and damaging leaf fungi.

Made from natural latex that was originally developed to prevent evaporation. It creates a permeable, self-degradable barrier on the leaf, which still allows air and light to get through. At the same time, the natural latex layer it forms around the leaves, helps the plant breath and stops it from 'sweating'. Then when the temperature drops, such as in winter months, Leaf-Coat™ safeguards against the cold by helping maintain the leaf temperature.

As an environmentally friendly alternative to pesticides, Leaf•Coat™ couldn't be more suitable or safer to use. Reducing the need to use pesticides also saves money.

Leaf Coat 500ml **04531** 1L **04530**



General Hydroponics Europe - GHE- was founded in France, in 1994 in partnership with Larry Brooke, founder of the legendary GH USA. Today, GHE products can be found nourishing wholesome crops providing food, medicine and flowers world-wide. GHE products are formulated to meet the specialized needs of growers in all kinds of environments who cultivate plants for their personal and local needs.

2019 brings big news from GHE as they begin a re-brand of their ground breaking products make the range easier to understand, and to make access to the right support on GHE products easier for UK customers to find.

First to change names is the GHE organic line: General Organics is now Terra Aquatica (TA), but, GHE's famous formulations and ingredient quality will not change: GHE is still 100% privately owned and independent of corporate interests. The factory and team is the same, and so is their famous product quality: the only exception being Diamond Nectar which is being replaced with an even more advanced formulation.

Flora Series®

The original 3-part advanced nutrient system for hydroponics, Coco and soil. 3-part "Building Block" nutrient system: GHE Flora Series gives the best possible balance between concentration and flexibility.

FloraSeries was developed to a NASA brief: make the most concentrated + flexible nutrient possible: Not green enough? Use more of the green one. Too green? Use less green and more pink.

30 years of tweaks and improvements later AutoPot is recommending FloraSeries because it gives super reliable, extremely effective results in their systems due to the high quality formulation and ingredients. The link is both these organisations really know what they are doing, and they choose FloraSeries by GHE.

Are you used to A and B + CalMag + PK + Oligo Elements? Try A, B and C instead, thousands of professional growers have, and wouldn't go back to 2 part + extras.

FloraGro®

Stimulates structural and vegetative growth, builds strong roots and provides the majority of the nitrogen, potassium and secondary minerals in Flora Series. Use higher levels in growth, and lower levels in flowering.

FloraMicro®

Available in Hard or Soft water composition, FloraMicro is the foundation of the "building - block" system, providing micro and sub-micro nutrients and some complementary macro-nutrients. FloraMicro is available in both hard water and soft water versions for optimal results even in RO water. Use as directed all the way through growth and bloom.

FloraBloom®

Provides the forms of phosphorus and potassium that your plants need to increase root formation and health during growth, and help fulfil their genetic potential to the maximum during flowering and fruiting. Use lower levels in growth, and higher levels in flowering.

Pro Organic (formerly G.O. Thrive) organic range two part plant food

Highly concentrated, fully organic, 2-part liquid nutrient.

The first and only complete certified organic nutrient for all substrates.

With a pedigree dating back to 2004, General Organics Thrive has been in commercial use around the world for years, including by our partners Les Sourciers. General Organics Thrive is a practical and incredibly effective way to feed your plants organically, for hobby growers and professionals alike. The General Organics: Thrive formulas are specifically designed to meet the needs of all plants throughout growth, flowering and fruiting.

We base our formulations on ecological principles that maintain respect for the environment whilst providing plants with balanced, effective nutrition. Thrive actively improves the root environment by feeding microbes that live in harmony with your plant. This provides the essential nutrition and environment to deliver healthy vegetative growth, flowering and fruiting.

Thrive is ideal for every type of plant and will work wonders as a standalone product: when we say "complete" we mean it: you don't need additional elements for a successful, bountiful grow, in most water.

GHE Flora Gro 500ml 06135 1L 02783 5L 02784 10L 02784 GHE Flora Micro SW 1L 02786 5L 02787 10L 02788
GHE Flora Micro HW 1L 02789 5L 02790 10L 02791 GHE Flora Bloom 500ml 06134 1L 02792 5L 02793 10L 02794

Pro Organic 500ml 02802 1L 02803 5L 02805



FloraCoco® complete two part nutrient system

Highly concentrated 2-part nutrient system for Coconut coir. Say goodbye to CalMag forever!

Uniquely amongst leading brands, GHE FloraCoco doesn't need additives for success from seed to bloom: other Coco specific 2-part nutrients require additional Cal/Mag and PK boosters, as well as 2 bottles of "grow" and 2 bottles of "bloom" nutrients. Not so with FloraCoco®: two bottles are all you need!

FloraCoco® is exceptionally rich in calcium and magnesium, but it also contains the full range of other elements that a plant needs for healthy vigorous growth, followed by bountiful flowering and fruiting. This includes the trace micro-elements which give your final product all the aroma and flavour that your plant is capable of developing.

As with most of our nutrients you use both FloraCoco Grow and Bloom throughout the lifecycle of your plants; you simply change the ratio between the two as your plants progress: there is no second set of bottles to buy when you go from grow to bloom.



FloraNova® concentrated one part liquid nutrient

Super concentrated 1-part hybrid liquid nutrient for hydroponics, Coco and soil.

The most highly concentrated true 1-part liquid nutrient on the market.

FloraNova® represents a breakthrough in fertilizer technology giving users the strength of a dry concentrate and the ease of a liquid, in a TRUE 1-part formulation:

One bottle for Growth, one bottle for Bloom - no need for extra CalMag / PK / Trace element additives to ensure healthy growth.

Our unique formulation of highly purified minerals and natural additives including humic extracts, is concentrated using patented technology: a very small amount of FloraNova® goes a very long way and works well with any plant type



Maxi Series Gro & Bloom® complete powder nutrient

pH-buffered, ultra-concentrated dry powder nutrients 1-part nutrient in dry powder form.

Using two mineral-based 1-part formulations, one for grow, one for bloom, Maxi Series is our most concentrated product ever.

MaxiGro and MaxiBloom, are standalone, water-soluble formulas made with high quality primary, secondary and micro-nutrients in the right concentrations to give maximum aroma and production in even the softest water. Both are also pH-buffered, which means nutrient solution pH will hold its value once your pH target is met.

The dry powder format makes Maxi Series highly portable, easily stored, which makes it a popular choice for outdoor gardeners.

MaxiGro and MaxiBloom can be used for all types of plants and with a variety of water qualities. Whether you're working in Coco coir, hydroponics, soil-less or soil, the Maxi Series gives you all the flexibility and transportability you need.



Ripen®

control your harvest

Late flowering nutrient / forcing solution. The industry standard way to end a fruiting cycle - Ripen® is our best-selling product for a good reason! In late life flowering plants need a dedicated diet to produce maximum flavour and yield. Ripen provides that diet. So instead of losing intensity with weeks on water,

Ripen allows plants to continue producing as they eliminate excess chlorophyll and metabolise any nutrient excesses. Ripen also acts as a "forcing solution" pushing your plants into finishing the ripening process, allowing you to decide when ripening occurs. Result: up to 10% more yield, stronger flavour and more active principles.

Use Ripen with FloraKleen to get the best results.

Ripen 500ml 02795 1L 02796 5L 02797 10L 02798

FloraKleen®

unique rinse and conditioner

From rejuvenating house-plants to maximising yields and potential in commercial hydroponics.

FloraKleen is one of the most powerful tools available to gardeners!

Not like drip clean or keep it clean: FloraKleen is a totally unique product in hydro today.

FloraKleen® releases nutrient bonds between minerals and substrate and allows you to rinse excess residue. This release also helps plants make the most of remaining fertilizers, especially in the crucial week just before harvest.

FloraKleen 500ml 04839 1L 02840 5L 02841 10L 04910

Calcium Magnesium®

high quality CalMag: no added PK

Proper Calcium and Magnesium availability is vital to optimize nutrition in fast growing plants. It helps prevent secondary nutrient deficiencies, supports growth and fruiting, and prevents blossom end rot and tip-burn in many particularly intensive crops such as tomatoes and lettuce.

GHE Calcium Magnesium Supplement provides concentrated Calcium and Magnesium in a highly bioavailable, clean and soluble form that will not clog drippers. It can be used alongside most nutrient regimes.

GHE Calcium Magnesium Supplement can also help counter Calcium sequestration when growing in Coco coir using Organic nutrients, or when expanding compressed Coco bales.

Calcium Magnesium 500ml 05966 1L 05967 5L 05968 10L 05969

Silicate (formerly Mineral Magic)

silicone & trace elements

Previously new formula Mineral Magic, GHE have continued down the no-nonsense route in renaming this product for their new Organic brand.

TA Silicate offers the same advantages as original Mineral Magic: Highly soluble silicate, a wide range of trace elements, and a colloidal clay based that makes for a great foliar product as well as a substrate or tank additive, plus, lower sulphur levels which mean it is now compatible with beneficial micro-organisms...

...it's a win-win.

Silicate 1L 36331

Fulvic (formerly Diamond Nectar)

natural bio-stimulator

The biggest boost you can give your plants after nutrients is a high quality Fulvic acid, and DiamondNectar® was the best in the world.

Out of the Humic family of compounds, Fulvic acid does the real heavy lifting by making minerals more easily absorbed by plants: making nutrients more effective. GHE analysed and tested over 300 different sources from around the world to give their proprietary, pH balanced, fulvic acid the maximum agronomic benefits: Better root development, earlier harvests, healthier, disease resistant plants, enhanced quality of flavour and fragrance, and increased essential oil production and significantly higher yields. What could they do better? Well their agronomist found an even more concentrated source, with added humates!

Fulvic 500ml 02821 1L 02822 5L 02823 10L 02824



Bloom Booster (formerly G.O. Bud) organic bloom booster

Boost explosive flowering and fruiting: naturally. TA Bloom Booster is a powerful bloom stimulator that generates explosive flowering and massive fruit production.

It increases metabolic activity and mineral uptake by utilizing bio-stimulants and organic transport enhancers - not synthetic PGRs. This induces abundant, dense, floral clusters during the crucial flowering and fruiting phases. The results are spectacular flowering and more flavourful fruits.

TA Bloom Booster works naturally, allowing plants to express the best of their genetic potential. Works with plants during the flowering phase of plant growth.

Use with all nutrients, all substrates, in your garden and in hydroponics.

Bloom Booster 500ml 02810 1L 02811 5L 05029

Root Booster (formerly G.O. Root Plus) organic root and growth booster

TA Root Booster is a natural root growth supplement that helps plants establish healthy and vibrant root systems. It contains only natural vitamins, enzymes, organic and humic acids that stimulate root mass through completely safe means - not by using synthetic PGRs.

TA Root booster is an outstanding additive for seedlings and cuttings, helping young plants develop strong and healthy root systems, and for mature plants it will reinforce and maintain health by improving nutrient uptake.

You can also significantly increase germination success rates and improve the health of young seedlings by using Root Boostervv in solution to soak your seeds before planting.

Use in conjunction with TA Fulvic for the ultimate growth phase boost combination.

Root Booster 500ml 02808 1L 02809 5L 050289

BOOSTERS the industry standard in boosters

Through our research on organic stimulators we have found an extraordinary line of products that we are proud to include in our range.

The Terra Aquatica Pro Roots, Pro Bloom and Protect were developed by independent researchers, and our tests, as well as those conducted by several of our clients, were dazzling!

Conformed to European regulation CE N° 834/2007 on organic agriculture, manufactured naturally and totally biodegradable.

Pro Roots (formerly G.H. Roots) ultra concentrated root booster

TA's concentrated root booster delivers the results of the original formula in a super concentrated form, allowing mineral growers to minimise the amount of organic matter in their grow. Ideal for systems such as AutoPot that are optimised for mineral nutrition. Fully organic formulation.

Pro Roots 30ml 02828 60ml 02829 250ml 2830 Pro Bloom 30ml 02831 60ml 02832 250ml 02833
Protect 30ml 02825 60ml 02826 250ml 02827

Pro Bloom (formerly G.H. Bloom) ultra-concentrated root booster

By promoting balanced nutrient delivery and stimulating flowering, TA Pro Bloom can add up to 20% in dry weight to flowering plants.

Like Pro Roots, TA Pro Bloom is super concentrated (0.1ml/L), fully organic, and also stimulates beneficial microorganisms to further enhance plant growth.

Protect (formerly G.H. Protect) concentrated plant protection

TA Protect strengthens a plant's immune system repelling insects by increasing the production of alkaloidal repulsive saps in the leaves and flowers.

Apply as a foliar spray up to early flowering. Fully organic.

Essentials® micro and sub micro elements

All GHE nutrients contain a full spectrum of nutrients down to trace - but not all nutrients go that far. So for Non-GHE users who want to grow crops with a full nutrient compliment GHE created Essentials.

This unique product is a comprehensive concentration of high quality micro-nutrients in chelated form, plus essential sub micro nutrients and an organic buffer: perfect for adding missing trace elements to a non GHE grow, or as a foliar treatment in areas such as aquaponics where micro-nutrients cannot be added to system water.

Warning: Do not use Essentials with GHE nutrients.

Essentials 500ml 04908 1L 02839 5L 049809



Humic (formerly G.O. Diamond Black) **liquid humic acids**

Fully organic, wide spectrum ligno-humates from recycled wood.

High quality ultra-pure Humics from a totally renewable source.

Humic is an excellent source of Humates derived from a new, natural, sustainable source, sawdust!

This new technology provides a clean product, free of residues, and of course uses a totally sustainable supply. Containing nothing but pure ligno-humate organic compounds with an exceptionally high percentage of plant-active humates, Humic improves nutrient absorption, stimulates microbial activity, promotes open soil structure, increases nutrient retention and reduce water usage.

Additionally, Humic can be utilized as a powerful additive for making compost.

Humic 500ml **02818** 1L **02819**

Seaweed® (formerly G.O. Seaweed) **100% cold pressed seaweed extract**

Powerful pre-flowering activator, from the purest source on the planet TA Seaweed® is a 100% natural plant and soil vitality enhancer that encourages prolific root and foliage growth as well as an increase in flowering sites, and larger flowers and fruits. Seaweed will promote vigorous, healthy growth in synergy with any feeding regime, in soil, Coco or hydroponics.

Marine plants of many types have long been recognised as powerful plant boosters and stress relieving agents, but one species, *Ascophyllum nodosum*, stands out as the most effective. And so, to deliver as many active elements as possible in TA Seaweed®, including high quality organic nitrogen, we cold-press *Ascophyllum* from the purest waters on the planet, and add nothing else.

Seaweed 500ml **02814** 1L **02815** 46

Urtimax (formerly G.O. Urtica) **pure liquid nettle brew**

Treatment for chlorosis, Organic silica source, general health tonic and adaptable pest deterrent: Urtimax is an Organic all rounder. Urtimax stimulates plant growth, fights leaf chlorosis and mineral deficiencies and improves pest resistance.

Urtimax is a high-quality nettle brew like those gardeners have been using for hundreds if not thousands of years.

Made by fermenting nettles in water, TA Urtimax offers exceptional protection and nutrition for your plants. Nettles are exceptionally rich in silica and iron, and contain high levels of nitrogen, potassium, magnesium, micro elements, enzymes and trace minerals, and, as with kelp emulsion, nettle tea also stimulates a plant's immune system, improving its resistance to pests and disease.

Urtimax 500ml **02816** 1L **2817**

TrikoLogic® **vital for organic growing**

High quality dry *Trichoderma harzianum* culture.

Vital for Organic growing, and every commercial gardener's secret weapon.

Trichoderma breaks down organic matter in substrates releasing the minerals that plants feed on. This process of decomposition and nutrient release is fundamental to organic and bioponic gardening. On top of this benefit, as it establishes colonies, *Trichoderma* releases a range of plant growth stimulating compounds and substances that inhibit or kill pathogens in the soil which might otherwise harm your plants.

As with all GHE products, our *Trichoderma* brand is of the highest quality - all strains and cultures are not equal, and some are significantly less viable than others.

TrikoLogic 10g **36348**

TrikoLogic S® **ultimate root zone protection**

Professional quality *Trichoderma* with added hot weather protection.

The ultimate in biological root zone protection and health GHE TrikoLogic S adds hot weather protection from *Streptomyces negrecens* to our standard biological protection for your grow. On top of the growth boost and protection offered by *Trichoderma*, *Streptomyces* coats roots with a protective mycelium that physically prevents fusarium and pythium spores from infecting them.

TrikoLogic S delivers all the benefits of additional nutrition and stimulation that standard TrikoLogic provides, but it also gives you what is genuinely the only reliable natural way of protecting your grow from root pathogens in hot and difficult conditions: well chosen, professional quality mycorrhizae.

TrikoLogic S 10g **36504** 25g **36505** 50g **36506**





Welcome to Gold Label, market leaders in manufacturing substrates and nutrients in Holland for many years. A family run business dating back three generations.

Gold Label has a long history of innovation, product improvement and quality certification. Their professional substrates and nutrients are the result of both using the finest materials in the market and listening to the feedback from customers.

Gold Label will keep on innovating and developing products as the market changes to ensure meeting expectations of their worldwide customer base.

Horticultural growers trust Gold Label. That's why it's the professionals preferred choice.



HydroCoco 60/40 A/B UK Specialised nutrient solution

HydroCoco 60/40 A/B is a balanced high-concentrated, 2-part nutrient solution for cultivation in 60/40 Hydro-Coco mix. Specially developed formula helps to prevent deficiencies of iron and other micro-elements.

Enabling improved absorption with fluctuating pH levels in the growing media when rapid development takes place. Suitable for both vegetative and flowering phase of development.

Add HydroCoco A & B in equal quantities, 1-4ml/L.

Never combine nutrients together, always mix in water.

Shake bottles before use, store at room temperature.



HydroCoco A/B for Coco substrates

Gold Label Coco A/B is a professional grade mineral two component base plant nutrient for the vegetative and flowering phase in Coco substrates. Add A & B in equal quantities, 0.5 - 2.0 ml/L, or until the desired EC.

The chelated micro elements guarantee optimum availability in a wide pH range.

Never combine pure nutrients together, always mix in water.

Shake bottles before use, store at room temperature.



Soil A/B for peat and compost substrates

Gold Label Soil A/B is a professional grade mineral two component base plant nutrient for the vegetative and flowering phase in peat and compost substrates.

Add Soil A & B in equal quantities, 0.5- 2.0ml/L, or until the desired EC. Never combine pure nutrients together, always mix in water.

Shake bottles before use, store at room temperature.



Roots

massive root development

Gold Label Roots is a highly concentrated root and growth stimulator with biological extracts of kelp, humic acids and high quality amino acids. We incorporate EDDHMA chelated Fe which is the most stable Fe available on the market.

Use Gold Label Roots for seedlings and cuttings through the vegetative phase of growth. Contains humic-acids, natural micro-nutrients, natural growth hormones, natural chelators, natural vitamins and high quality amino-acids.

Suitable for use with all substrates and nutrient schedules. Add 0.5 - 1.0ml/L continuously from first watering to 3rd week of flowering.

Shake bottles before use, keep away from light, store in a cool place.

Gold Label Roots 250ml 05995 1L 05996 5L 05997



Ultra MG

chelated Magnesium

Gold Label Ultra MG is a nitrogen / magnesium additive for all plant development stages.

Ultra MG has been specifically developed to perfectly balance your NPK and micro elements in all stages of vegetative and generative development.

It contains high quality magnesium chelate which is easily absorbed by your crop in a wide pH range. Use continuously in inert media and as a replenishment in peat and compost media. Suitable for use with all substrates and nutrient schedules.

Add 0.5 - 1ml/L to your solution. Never combine pure nutrients together, always mix in water.

Shake bottles before use, store at room temperature.

Gold Label Ultra MG 500ml 06004 1L 06005 5L 06006



Ultra PK

keep your irrigation lines clean!!!

Gold Label Ultra PK is a flowering additive based on advanced polyphosphates, specifically developed to perfectly balance your NPK in the generative development.

The Ultra PK formula prevents phosphorus from depositing at pH levels >6.2, and promotes availability of Ca, Mg and trace elements. Also the polyphosphates are preventing salt deposits in your systems and irrigation lines.

Applicable in all combinations of base nutrients, add 0.5ml-1ml/L. Never combine pure nutrients together, always mix in water.

Shake bottles before use, store at room temperature.

Gold Label Ultra PK 500ml 06001 1L 06002 5L 06003



Ultra pH-

pH adjustment

Gold Label Ultra pH- is an universal acid for adjusting the pH levels of nutrient solutions.

It contains a balanced mix of phosphoric acid, nitric acid and sulphuric acid.

Add last to your nutrients solution, reduce pH carefully in small steps and stir well before measuring.

Use Ultra pH- in the vegetative and flowering period.

Recommended for all type of substrates and nutrient schedules.

Shake well before use. Keep away from children

Store in dry and concealed place.

Gold Label Ultra pH- 1L 06103 5L 06014



Bat Boost

flavour enhancer

This organic soil life and flowering stimulator is based on pure sugar cane molasses and high quality extracts.

It is a rich source of organically stored phosphate, potassium, sugars, natural stimulators from extracts of kelp and humic acids.

Also, containing natural micro elements, vitamins and natural chelators.

Gold Label Batboost stimulates soil life, enhances nutrients availability and stimulates vigorous flowering.

Suitable for organic growth and for use in combination with low mineral nutrient contents.

Gold Label Batboost 250ml 06015 1L 06016



Enzyme

enzymes are biological catalysts

Gold Label Enzyme is a professional highly concentrated enzyme additive based on natural enzymes.

Enzymes are natural process catalysts. Gold Label Enzyme contains enzymes that break down dead root material into nutrients that will benefit your plants and make room for new root development. You can regard them as the cleaners and recyclers of your medium.

Use Enzymes from the 3rd week of flowering regular, or at least once in week 3 of flowering and once before flushing.

Suitable for all type of substrates and nutrient schedules. Add 0.5ml/litre once or 0.1ml/L continuously.

Shake bottles before use, store in a cool place.

Gold Label Enzyme 250ml 05998 1L 05999 5L 06000



Ultra N

advanced growth enhancer

High concentrate fertilizer solution (N) + (Ca) with natural extracts and high concentration of amino acids.

Universal growth booster to support the processes during advanced cultivation.

Suitable for closed loop systems with added CO₂ during the vegetative phase. Enabling improved absorption in the growing media when extreme rapid developments take place.

Add 0.25 - 0.5 ml/L until the 3rd week of flowering. Never mix pure fertilizers, always dilute in water.

Shake before use. Keep away from children. Store in a dry and cool place. Visit our website for a detailed fertilization program.

Gold Label Ultra N 250ml 06007 1L 06008 5L 06009



Ultra NK

advanced flowering enhancer

High concentrate fertilizer solution (N) + (K) with natural extracts and a high concentration of amino acids.

Universal flowering booster to support the processes during advanced cultivation.

Suitable for closed loop systems with added CO₂ during the generative phase. Enabling improved absorption in the growing media when extreme rapid developments take place.

Add 0.25 - 0.5ml/L from the 3rd week of flowering. Never mix pure fertilizers, always dilute in water.

Shake before use. Keep away from children. Store in a dry and cool place.

Gold Label Ultra NK 250ml 06010 1L 06011 5L 06012





Buddha's Tree is a family owned business and consists of a close, small group of friends and relatives with over 30 years of growing experience and knowledge.

They are very lucky to have the innovative talent of one of the best Biochemists in the field of agriculture. Responsible for some of the world's record-breaking food crop yields.

Drawing on their combined experience, they strive to develop products that set the highest standards and that consistently produce great results.

Buddha's Tree bring to the market new and innovative products and nutrients that achieve new heights, by focusing on principles of outstanding performance.



Coco A/B

two part Coco nutrient

Buddha's Tree Coco A + B is a high-quality nutrient formulated for growing plants in Coco.

It's a 2-part nutrient that contains all the essential elements for optimal growth and flowering.

Our Coco A + B is also ideal for growing in all watering systems as it dissolves instantly and is simple and easy to use.

For years Buddha's Tree have only specialised in designing and developing top-of-the-line additives, but they've finally released a brand new Coco A+B base nutrient!

Coco A&B is a premium base nutrient, containing all the essential elements a plant needs when grown in this substrate. Specifically tailored to the characteristics of Coco substrates.

Rich in high-value elements, and highly versatile.

Buddha's Tree Coco A&B 1L 05865 5L 05866 10L 06156

Organicus

single part plant nutrient

Organicus 99 is a premium organic liquid feed that surpasses all previous feeds available on the market.

A single part feed that's used in both growth and flower phases, making things easier for growers, whether beginner or experienced.

Not only does this organic base feed keep your plants in the sweet spot but it also aids the uptake of all nutrients available to them.

- A small amount of Citric Acid aids performance
- Super clean end product
- Easy to flush plants
- Suitable for vegetarians and vegans
- Can be used in Soil, all mixes, Coco, 60/40 and also in Hydroponic systems

Buddha's Tree Organicus 1L 05897 5L 05898 10L 06198

PK 9-18

flower booster

Buddha's tree is the only PK 9-18 soluble solution currently available on the market, created in the UK by a company who have one of the top four chemists in the world working with them who formulates fertilisers for many of the world's record breaking food crop producers. They have produced this formula that promises to increase yield.

Buddha's Tree PK 9-18 increases plant uptake of nutrient and the plants natural oils and sugars making the plant grow to its full potential, meaning heavier yields and more intensely potent crops. It achieves this by breaking down enzymes in the roots of the plant which creates healthier roots. This soluble solution also encourages more uptake of phosphorous and potassium which is great for your plants health and growth.

Local customers who have had the pleasure of using this product have been amazed at the quality of their flowers, their only complaint was the massive increase in their plants natural odours, due to much stronger crops. But a strong scent is the sign of a healthy plant.

Buddha's Tree PK 9-18 100ml 04725 250ml 02753 1L 02754 5L 05734



Flower Burst

fast flower developer

Flower Burst is a unique product from Buddhas Tree that has been specifically created for use during your plants pre-flowering and early flowering stage. It promotes explosive flower set without hindering continuing vegetative growth, creates an increased number of flower sites and ensures a seamless change into the pure flowering phase of the bloom cycle.

This results in a quicker and more efficient flowering response, which is achieved in the kindest and safest way with a carefully composed blend using the same highest quality raw food safe materials used across our range.

In trials Buddhas Tree Flower Burst induced a much quicker and more robust flowering response than control specimens. Flowers were recorded 4-5 days earlier than control plants with an increased amount of larger flower clusters.

Buddhas Tree Flower Burst 100ml 04771 250ml 04772 500ml 05123 1L 05375 5L 05960



Advanced Meta-Boost

metabolic plant stimulant

Buddhas Tree Advanced Meta-BOOST Stimulates and fuels a metabolic increase in the plant by providing the correct type of energy sources to the plants cells to energise their activity.

As we know plants grow and develop by splitting and reproducing their cells. This takes a lot of energy. The plant expends energy converting elements in the nutrient into a form of energy that it can use at a cellular level. Advanced Meta-BOOST provides the plant cells with the best and most usable type of fuel so that the plant doesn't waste energy converting and producing its own.

It also allows the plant's own saved energy to be given over to other areas of its growth such as production of oils, resins, terpenes and sugars giving increases in taste and smell qualities.

Meta- BOOST allows your plant to utilise nutrients more completely and efficiently and in turn this stimulates an increase in nutrient uptake having a positive impact on yield and overall quality.

Buddhas Tree Meta-Boost 250ml 05373 500ml 05374 1L 03075 5L 05376



Solar Green Power

true nano silicic acid

In recent years, the application of Nano-technology has led to the production of colloidal liquid silicon fertiliser with high bio-availability. This new silicon fertiliser can easily penetrate the leaf and form a thick silicate layer on leaf surface. Solar Green Power is an aqueous colloidal dispersion of 10% amorphous silica (SiO₂). More precisely it is a colloidal dispersion of silicic acid in water.

Silicic acid is the only form of Silicon that the plant can absorb. The silica particles occur in the form of discrete spheres that are not cross-linked with each other and contain hydroxyl groups on the surface. The particle size lies within the Nano range, typically 15 nanometers.

Stabilisation of colloidal particles takes place as the result of charges on the surface of the particles and is synthesised in an aqueous medium, which consists exclusively of inorganic substances, with no organic solvents being present.

It is weakly alkaline. This is in marked contrast to other liquid products, such as potassium silicate, which is strongly alkali (pH12). Not only does this make the liquid hazardous to handle but it makes mixing with other products almost impossible.

Buddhas Tree Solar Green Power 250ml 04726 500ml B4053 1L 04053 5L 05851



Guanokalong

The proof that the bat guano from Guanokalong is ultimately organic is that the bats choose their own food themselves.

The organic guano fertilizer is produced with the aid of natural ingredients from the droppings of bats.

This guano has been piling up for hundreds of years in caves and over time was changed in to compost. Ripe fruit and healthy insects are abundantly available in the rainforest. Places where humans still have not had any influence.

Let the spirit of the jungle become a part of your garden with the aid of Guanokalong. This plant nutrient is excellent for use in organic growing of consumable crops.

Let the natural phosphate, the abundant presence of micro-elements and enzymes do their work. This organic super manure works to improve taste, quality and yield.

GK-Organics Kalong Grow & Bloom grow and flower nutrient

These fertilizers contain only nitrogen and potassium, and are at their best when used in combination with Guanokalong® powder (rich in phosphorus, calcium and micro-elements) in order to make up the phosphorus requirements of the plant sufficiently. Kalong Grow has more Nitrogen than Potassium and Kalong.

Bloom has more Potassium than Nitrogen. Kalong Bloom is based on animal proteins and sugar molasses. Kalong Bloom is based on sugar molasses. Both fertilizers don't contain any guano and phosphorus. Guanokalong® powder has an average value of 10% phosphorus. This phosphorus becomes gradually available from week 1, right up until the end of the cycle.

GK-Organics Kalong Grow organic grow nutrient

Liquid can be used in soil and Coco. Immediate release for controlled cultivation. Organic contents ensure controlled long release of nutrients. Stimulates present micro life in substrate. Non-aggressive for roots due to low salt index. Only contains products annex 2 (EEG) nr. 2092/91 organic productions.

GK-Organics Kalong Bloom organic flower nutrient

Liquid can be used in soil and Coco. Immediate release for controlled cultivation. Organic contents ensure controlled long release of nutrients. Stimulates present micro life in substrate. Non-aggressive for roots due to low salt index. Only contains products annex 2 (EEG) nr. 2092/91 organic productions.

Guanokalong BatBoost organic flower booster

This organic liquid fertilizer 'BATBOOST' contains 2% of potassium. It's a balanced mix of Guanokalong® extract taste improver, liquid humic acids and palm tree ashes.

All the different contents come with their own famous advantages in this blend 'BATBOOST'.

This potassium-packed solution efficiently helps plant roots grow strong and healthy so that they become resistant and capable of delivering tasty flowers.

Guanokalong Extract increased terpene production

Guanokalong Extract Taste Improver is designed to promote taste, quality and yield of crops.

It helps to accelerate rooting structure and promote exuberant flowering; it also helps protect the plant against bacterial pathogens.

- 100% organic hydro, soil & Coco additive (NOT an NPK fertiliser)
- Made from bat guano (bat dung)
- Ethically sourced – no bat habitats harmed
- Clear liquid – will not clog up hydro systems
- Increases number & size of flowers
- Enhances taste of fruit & flowers



Guanokalong Powder

organic flower booster

There are three excellent reasons to use this 100% organic flowering strengthener:

First, it contains ingredients that can help increase the actual size and weight of the flower clusters. Second, nutrient uptake is improved. Thirdly, plants grown with Guano Powder result in sweeter, smooth tasting crops.

How it activates the flow of nutrients is essentially down to how it's able to free up the minerals calcium, iron and magnesium in the soil, which stimulate the plant's metabolism.

Guanokalong Powder 500g 05554 1kg 05555 3kg 05566 5kg 05567 10kg 05558



Guanokalong Black Pellets

organic base nutrient

Guano black is a mixture of Guanokalong powder and humic acids in soft pelletized form. Use Guano black as a base fertilizer to mix with your soil or soil/Coco based medium.

The humus is made from 100% leonardite (highly oxidized lignite). It conditions the soil. It stimulates micro-life. It creates high levels of permanent humus. It reduces re-planting stress and water demand. It has a high PH and water buffering capacity.

Guano Black Pellets 1kg 05566



GK-Organics Complete Organics

organic mix of ingredients

Complete organic fertilizer mix. Guanokalong® powder is mixed in combination with GK-Organics products like: Seaweed Powder, Palm Tree Ash, Vegetable Fertilizer, Fish Powder and Lava Worm.

This unique mix of products represents a pure organic NPK value with multiple trace elements.

GK-Organics Complete Organics 1L 05573



GK-Organics Seaweed Powder

organic growth promoter

GK Organics Seaweed Powder contains macro-elements and is very rich in micro-nutrients.

Promotes root structuring and plant growth.

Increased resistance of plants against bacteria and diseases. Supplements regular nutrient program.

GK-Organics Seaweed Powder 1L 05568 5L 05569



GK-Organics Fish Powder

organic substrate enricher

GK Organics Fish Powder obtained from tropical fishes which are gathered by fishermen in the Java Sea.

The strong presence of nitrogen and phosphorous helps plants with rapid growth, root structuring, increased seed & fruit production and improves the quality of the crops.

GK-Organics Fish Powder 1L 05570 5L 05571



GK-Organics Palm Tree Ash

organic flower booster

GK Organics Palm Tree Ash originates from the Indonesian island Sumatra. The ashes contain a high quantity of potassium, some phosphorus and magnesium.

Together used with Guanokalong® powder, its an organic booster.

GK-Organics Palm Tree Ash 1L 05572 5L 05833

new
productnew
productnew
product

VEG+ BLOOM

San Diego based Veg+Bloom supply and develop products that promote the growth of healthy plants.

Plants obtain carbon, hydrogen and oxygen from the air and water, however other nutrients are necessary for plant growth. Mineral nutrients must be added during the entire lifespan of the plant to ensure healthy growth.

The VEG+BLOOM formula provides a simple, easy and complete solution for growing abundant, aromatic, and lush plants. The science of the product is transparent and its value uncompromised. Just pour it in and it provides better results than competing products combined. You don't need more than one solution, VEG+BLOOM is combined into one complete feed.

VEG+BLOOM is made for the entire lifespan of the plant. It offers unique supplements with an exclusive blend to help stimulate and maintain healthy growth.

VEG+BLOOM RO/SOFT

one part soft water nutrient

RO/SOFT is great for all hydroponic applications such as rockwool and Coco and can also be used in peat moss substrates.

It's specially formulated for soft water (under 200PPMS or .1-.3 EC).

When you dissolve VEG+BLOOM into your final volume of water, the solutions now contains all the essential nutrients for maximum growth potential.

VEG+BLOOM RO/SOFT includes everything other liquid multi part nutrient contains in a one part powder. It also includes what other nutrients companies sell as additives, such as amino, silica, fulvic acids and bio active growth stimulants, all as standard component at no extra cost or work.

VEG+BLOOM TAP/HARD

one part hard water nutrient

TAP/HARD is great for all hydroponic applications such as rockwool and grow stones.

Being a more acidic formula, specifically for neutralizing alkaline water supply, (200+PPMS or 0.4-0.7 EC). When you dissolve VEG+BLOOM in to your final volume of water, the solutions now contains essential nutrients for maximum growth potential.

VEG+BLOOM base nutrients and additives are a complete formula that incorporate all the essential building blocks to grow a healthy plant in all phases of its life-cycle. Nothing else is needed besides a CalMag source and pH buffers.

The base includes: calcium, magnesium, beneficial bacteria/fungi, anti-scaling agents, sugars, nitrogen, potassium, silica and phosphorous to name a few. This product was created for its simplicity and exceptional results. The base nutrients were specifically formulated for different mediums, growing systems and water qualities.

VEG+BLOOM DIRTY

one part soil nutrient

DIRTY is formulated for soil and peat based growing mediums.

DIRTY is a carbon balanced, nitrate infused base nutrient for all phases of plant growth. Rich in select amino acids, and refined organic materials, PH ready for Peat Moss and Soil.

Built-in alkalinity and Cation exchange enhancers make it easy to use with premixed media products like Promix, Sunshine and Light Warrior.

Use with +LIFE and SHINE for optimum results.

This product contains organic ingredients, therefore may result in undissolved sediment and biofilm.

For a completely soluble formula, see RO/SOFT and TAP/HARD.

new
product

Shine

flowing additive

SHINE is the ultimate flowering phase additive. Just add it to your reservoir during reproductive growth, usually weeks 3-7, and watch your flowers swell and sweat.

SHINE is not only a PK booster but also a nectar secretion agent. It will push your plant to bloom as heavily as your environment will allow. 1-2 grams per gallon for most strains.

BOOST SHINE is the ultimate flowering phase additive containing phosphorous compounds called phosphites.

BLOOM By stimulating reproductive growth SHINE causes your flowers to swell and sweat.

FLOURISH SHINE will push your plant to bloom as heavily as your environment will allow by supplying your it with an array of bio-stimulants.

Shine 450g 06072 1kg 06073 2.27kg 06074

new
product

Stackswell

bigger leafs, fatter stems, faster growth

Stackswell is a special blend of humic acids, calcium sugars and magnesium - these are the foundation for your plants diet - encouraging faster growth bigger growth and fatter stems.

Bigger leafs, Fatter Stems, Faster Growth.

What is Stackswell? It's a super concentrated growth powder. It can be used by the gram for reservoirs or mixed into a concentrate for dosers and fertigation systems.

Stackswell is a Cation Exchange enhancer and Root and shoot growth stimulator.

Stackswell 1lb 36070 2.2lb 36071 5lb 36072 25lb 36073

new
product

Push

foliar feed

PUSH is a foliar spray that feeds through stems and leaves increasing chlorophyll production. It stimulates cell division while simultaneously providing Calcium and Silica for strong growth.

Easy foliar application of PUSH increases plant vigor and maximizes quality of new growth with the lights on or off. As a foliar application, it goes a long way, 50ml/Gal covers up to 12m² of canopy.

Plant derived hormones increase cell division while simultaneously providing Calcium and Silica for strong growth. Reduces time required for veg phase.

Easy foliar application of PUSH increases plant vigor and maximizes quality of new growth with the lights on or off.

Engineered for easy application, add 50ml/Gal (covers up to 12m² of canopy).

Most products require a sticker spreader or surfactant to maximize adsorption, PUSH is all in one.

Push Foliar 250ml 06075 1L 06076



Optic Foliar manufacture the highest-quality and best-performing foliar sprays in the industry and are to be the first product a consumer reaches for when purchasing a foliar spray. To achieve this goal, we strive to develop cutting-edge, innovative foliar technologies that push the level of performance of our products by working together as a highly efficient, growth-promoting system for your plants.

Most plant growers know that the plant leaves are the 'factories' where plants produce their own food from carbon dioxide and water in the presence of sunlight or supplemental lighting and chlorophyll. It is the chlorophyll in the leaves (usually green) that absorbs light energy to produce sugars (food) for the plant and oxygen to be released into the atmosphere. The epicenter of the manufacturing facility in the plant leaf is called the palisade mesophyll layer.

The water and nutrients that plants take up from the growing media through their roots, are transported through the stem to the leaves and to the manufacturing facility of the plant. The main objective of foliar sprays is therefore to apply water and nutrients directly to the leaves where it can be absorbed and used in the manufacturing process virtually immediately.

Foliar sprays do not replace the function of the roots and stem, but it supplements this function periodically to enhance plant growth and plant health.

Overgrow

complete foliar feed plant booster

Optic Foliar OVERGROW is the only product on the market that is a dynamic, multi-purpose, ready-to-use spray that combines performance and growth with overall plant health.

OVERGROW is a combination of Watts, Rev and Attack with the addition of Transport in a ready to use spray, correct deficiencies and provide increased performance! Match that with the ability to spray in full sunlight, with no burning or the need to spray the undersides of leaves, and you have the only all-in-one spray with no negative side effects from leaf burn to residuals.

OVERGROW then provides a full spectrum of NPK, micro nutrients as well as a full complement of vitamins, sugars, amino acids and B1 to further increase growth and supplement further yield increases.

OVERGROW is the only foliar spray on the market to work synergistically with your plants to increase light intake, nutrient uptake while also directly feeding the plant and preventing mould and bugs — all with the lights on — no damage or burning — and you only need to spray the tops of the leaves — OVERGROW... spray it, see it be-leaf it!

Optic Foliar Overgrow 1L(RTU) 05055 4L(RTU) 05056



SWITCH

hermaphrodite prevention

Optic Foliar SWITCH is the only product on the market to combat and prevent seed and/or hermies formation on flowering crops.

Optic Foliar SWITCH will block male hormones ensuring the plant stays 100% female and continues to bloom and produce essential oils in early or late bloom.

Whether bad genetics, light leaks or timer malfunctions, SWITCH will ensure 100% female plants with only 2 sprays in either early or late bloom. Growers are also utilizing switch in early bloom to help transition plants into flower and trigger faster and bigger bloom sets in as little as 5-7 days.

Utilize SWITCH and guarantee that your plants stay seed and hermaphrodite free.

Switch 1L 05058 4L 05362



ATAK

foliar fungicide

Optic Foliar ATAK is the only control spray against Powdery Mildew on the market that can be applied with the lights on with no damage or burning to the leaves or flowers.

Comprised of copper sulphate and organics; ATAK is safe to use into late bloom up to one week before harvest and will not leave any trace chemicals within the plant at harvest.

ATAK can be sprayed with the lights on, no damage or burning to the leaves and no residuals to wash off! Optic Foliar ATAK is the only fungus product on the market that guarantees no damage to the leaves while providing safe non-toxic results that leave nothing within the plant that will affect the taste or the quality of crops.

TRANSPORT

leaf absorption enabler

Optic Foliar TRANSPORT is a revolutionary delivery agent that delivers the active ingredients within your spray into the plant through the leaves stomata, which increases gas exchange and allows plants to absorb spray solutions.

Unlike traditional sprays, TRANSPORT can be sprayed on plants even with the lights on and without the need to adjust the spray's pH.

Another benefit to using TRANSPORT is that you can use it with any foliar application (growth enhancers, insecticides etc) and it allows you to half the application rate of the product you want to use, thus saving money and reducing the amount of product you need to keep your plants healthy!

WATTS

increased leaf efficiency

Optic Foliar WATTS allows the plant to utilize additional energy provided to the plant through sunlight and supplemental HID lighting. Thus allowing the plant to optimize the Calvin Cycle and exponentially increase growth rates that lead to improved yields! High quality hydroponic lights and ballasts are key to growing plants successfully.

Using Optic Foliar WATTS will allow for better light usage and efficiency within the plant, and dramatically increase growth rates.

WATTS stimulate chlorophyll/ chloroplast production, increasing the ATP cycle in the leaves also known as the 'molecular unit of currency of intercellular energy'. Optic Foliar WATTS can thus be used to turbocharge plant growth and light efficiency within the mesophyll layer.

REV

flower booster

Optic Foliar REV is an exceptional nutrient solution for fast-growing plants.

After the application of Optic Foliar WATTS, the plants will grow markedly faster and require additional nutrients. This is where Optic Foliar REV steps in to provide additional nutrition to the plant to help supplement the high rates of growth created by WATTS.

REV is best used with TRANSPORT Optic Foliar.

REV helps the plant maintain its highly accelerated growth and flowering rates, resulting in greener and healthier plants, as well as higher-quality crop yields, by providing most of the micro-nutrients, organic vitamins, amino acids, as well as carbohydrate sugars and B1 as key additional building blocks for flower development, quality, taste and flavour.



Launched in late 2008 as a new, retail division of reputable Reforestation Technologies International (RTI), Xtreme Gardening brings highly effective beneficial biological inoculants to the home gardener.

RTI is best known as the United States' oldest-running and most renowned producer of Mycorrhizal Inoculum, providing the world with high-quality biological inoculant. RTI products have successfully helped plant over 750 million trees in 9 countries. Also restoring some of the poorest habitats known to man (strip mines, nuclear test sites, deserts, and barren wastelands) around the globe into lush, thriving ecosystems capable of not only sustaining life, but producing bountiful harvests.

Xtreme Gardening was born with the goal to inspire a new generation of gardeners and growers. Always striving to maximize yields and quality through biological amendments. Xtreme Gardening combines new technology with results from millions of years of natural evolutionary design, allowing us to provide gardeners with the pure biology needed for superior plant growth. With Xtreme Gardening beneficial microbes, gardeners are no longer limited by chemical fertilizers and are able unlock their plants' true potential while reaching new levels of production.

Experience the increase in crop yields, in addition to improving moisture and nutrient management, for Xtreme results!

Azos

nitrogen fixing bacteria

Azos is an all-natural, growth promoting, nitrogen fixing bacteria ideal for cloning and transplanting. Azos converts nitrogen into a usable form that is readily available to the plant. Nitrogen is critical for forming vegetative matter and supporting abundant growth. Azos promotes growth, while boosting natural root development.

Nitrogen-Fixing Bacteria - Of all the nutrients transported to plants through the soil, nitrogen is required in the greatest amount. It drives chlorophyll production in the foliage and keeps plants green and efficient. It is a fundamental part of amino acids and other compounds that assure crop health and productivity. It is a major part of every protein molecule and soils are often deficient of this element. However the atmosphere is comprised of around 80% nitrogen which is in a form (N₂ or atmospheric nitrogen) that is not conventionally available to plants.

Nitrogen From the Air! - Somewhere along the evolutionary development of the "Plant - Soil - Microbial Matrix", certain bacteria began to specialize in tasks to enhance plant growth, which in return provided the microbes with a food source exchange opportunity.

A select group of bacteria classified as "Diazotrophs" began to supply nitrogen to plants from a range of sources, including decomposed plant litter, dead micro-organisms, and sequestration of atmospheric nitrogen. Azos belongs to the last of these groups and functions primarily as an atmospheric nitrogen converter.

Azos specializes in the highly-efficient conversion of the N₂ form of nitrogen into plant-available NH₃ ammoniacal nitrogen. Azos is so efficient that between 50% and 70% of all the nitrogen required by most crops can be supplied by this organism.

Azos 56g 00477 170g 00493 340g 00524 3.6kg 00494



Mykos

beneficial soil fungi

Mykos mycorrhizae is a natural and organic species of beneficial soil fungi that creates a "sponge-like" mass which collects and stores nutrients and water, increasing the uptake of both.

This single species of arbuscular mycorrhizal fungi contains only Rhizophagus intraradices, formally known as Glomus intraradices.

MYKOS does not contain any other microbes such as trichoderma or ecto-mycorrhizae.

Mykos 450g 05142 1kg 05143 9kg 05144



Mykos Roots Paks

beneficial soil fungi packs

Mykos mycorrhizae conveniently packaged in 10g “Biodegradable Paks” for both soil and hydroponic applications.

Simply place the pack at the base of the plant and the developing roots will grow through the biodegradable paper membrane and become rapidly inoculated.

Root Pack 10g x 50 **05140** 10g x 500 **05145**



CalCarb

natural foliar booster

CalCarb is a readily available source of calcium and carbon dioxide. Calcium is critical to the health of your plant, contributing to the strength of cell membranes and regulation of nutrient use.

Calcium is known to play a major role in the quality of many crops, including peppers, tomatoes, and watermelon. It is also able to reduce the effects of heat stress in plants.

CalCarb foliar booster works great in both indoor and outdoor environments.

CalCarb 170g **05683**



Mykos Wettable Powder

natural effective inoculants

Mykos WP (Wettable Powder) is processed to provide effective inoculants that may be injected through a sprayer, applied in hydroponic reservoirs, and used as a seed or cloning treatment.

Can also be used to dust or drench roots of all transplants.

Mykos Wettable Powder 1kg **05143** 6.8kg **05147**



Xtreme Tea

all natural brews

Xtreme Tea brews are the most user-friendly compost tea brew on the market today.

Not only are they easy to use, they are the most cost effective method of brewing high quality compost tea.

Xtreme Tea has a unique, two-part system that keeps the product stable until time of use.

The Tea Brew bag contains the compost material and the plant microbe food pack provides a food source designed to multiply microbes during the brewing process.

Our special blend of organic matter has been shown to break down nutrients and make them available to your plants.

Tea Brew 80g x 10 **05153** 160g x 20 **05154** 500g x 14 **05152**



Grotek™ planted its roots in Canada in 1998. They have since grown into a company that is distributed internationally. They are gardeners helping gardeners with products for every stage of growing. Consistent and effective, Their easy to use formulas help clients achieve highest yields ensuring great value.

At their core is a focus on science for plants, and in 2016 they took that focus and combined it with their experience to bring clients a new level of plant based nutrition. they have expanded the use of organic extracts, adjusted nutrient ratios to maximize growth at a cellular level, and taken formulas to a new benchmark in efficacy.

There is also a new look on the bottle, complementing the power inside of it. The fresh new look stands out on shelves while the formulas inside will work together with a synergy that drives your plants towards maximum yields. While there are a lot of new and exciting changes, some classics, like Monster Bloom™, just don't need adjusting as the legendary results speak for themselves.

At Grotek™ they think that support is as important as the products themselves.



Monster Grow™ Pro plant growth promoter

Grotek Monster Grow™ Pro is a soluble, yet highly powerful growth enhancer that's added to the existing feeding schedule once per week during mid to late veg and pre-flowering stages. It can be used in all styles of growing (soil, Coco or hydro) when high levels of Nitrogen (N) are needed the most.

Adding Grotek Monster Grow Pro to your nutrient solution will encourage plants to display healthy growth, with leaves showing a lush green colour. Improved development of the root zone will also be apparent with plants becoming strong in structure as they prepare themselves for flowering.

Grotek Monster Grow Pro 20g **05357**
130g **04495** 500g **02593**



Monster Bloom™ plant flower booster

A classic bloom enhancer, Monster Bloom™ has gained a reputation for its ability to assist plants during the middle stages of flower development.

The high concentration of phosphorous encourages blooming and plays a vital role in plant metabolism. The potassium in the formula improves bloom and fruit quality while impacting photosynthesis, assisting starch production within the plant.

Monster Bloom is very concentrated and should be phased out prior to the last two weeks of flowering. This will ensure the plant has the opportunity to metabolize all the power locked within Monster Bloom. The result will be a flavourful and abundant crop.

Monster Bloom is a supplement and should be used as part of a complete fertilizer program.

Grotek Monster Bloom 130g **04496** 500g **02603**
2.5kg **02594**



Cal-Max™ calcium magnesium and iron

During periods of high temperatures and accelerated growth, plants can develop preventable nutrient deficiencies.

Cal-Max was developed to provide the additional calcium, magnesium and iron needed to support peak production.

Cal-Max can be used to treat problems when they surface and it can also be used as a preventative supplement to your nutrient program to avoid deficiencies such as tip burn in lettuce and blossom end rot in tomatoes.

Grotek Cal-Max 1L **02865** 4L **A5054**



Vitamax Plus™ flower booster

Vitamax Plus™ is specially formulated to improve plant growth, encourage blooming and assist floral and fruit development.

It contains macro-nutrients and added magnesium to aid in the formation of chlorophyll and other essential plant compounds.

Always use Vitamax Plus as a part of your regular fertilizer program.

Use with every watering up until the last 10 days of crop growth and then discontinue use. Be sure to soak the soil or media completely when using the Vitamax Plus solution.

Grotek Vitamax Plus 4L **02597**



GEN200

bio-available ortho silicic acid

GEN200 ensures the growth regulation and natural defence system. This ensures the plant to have better resistance against diseases and distresses such as heat and cold.

Your plants will root faster, develop stronger stems and leaves which results in firmer plants and bigger yields.

GEN200 can be used on all kinds of soil and with all kinds of nutrition.

Farmers can save money by using GEN200 Control, because of the decreased importance of the use of insecticides, fungicides and pesticides. Higher yield and better quality of products with increased shelf life due to better water retention in fruits and vegetables is another advantage.

Gen200 100ml 05002 250ml 05003 500ml 05004 1L 05005



SUPERthrive

natural root enhancer

SUPERthrive is a non-toxic vitamin solution invigorating all variety of greenery for home gardeners and professionals alike and is equally suited for hydro-seeding, hydroponics, and foliar spraying.

When soil has been depleted due to weather, neglect, and over-use, SUPERthrive replenishes the soil to nourish and encourage the natural hormones that plants make themselves under optimum conditions.

Superthrive 60ml 00390 120ml 00391 480ml 00392 960ml 02688 3.8L 05289 9.4L 05972



C-RESULT

increase yield

C-Result is an Organic Plant Stimulant that contains 13 statically charged element molecules of plant origin.

The statically charged molecules collect all the elements in your nutrient mix and using patented technology, transport them directly to the roots.

C-Result allows the plant to concentrate its energy on producing flowers, instead of searching for food. Meanwhile the plant will avoid any deficiencies ensuring maximum yield and quality. This is due to the plants absorption rate being increased from 55%-65% to 80%-90%.

C-Result can be used in all substrates, growing methods and with any nutrient range, and is only applied once at the onset of flower formation.

C-RESULT 250ml 06047 500ml 06048 1L 06049 5L 06050 10L 06051



CO₂ FUSION

photosynthesis stimulator

In Jurassic times ferns were huge due to very high atmospheric CO₂ levels. Modern plants have evolved from these ferns to grow with lower CO₂ levels. Spraying with CO₂ Fusion allows the plants leaves to reach the same level of CO₂ saturation as in Jurassic times, resulting in bigger leaves and more plant available chemical energy.

CO₂ Fusion is a unique combination of 100% natural plant hormones and amino acids, delivered directly to the plants leaf in a readily absorbed, stabilised CO₂ infused mist.

CO₂ Fusion used on cuttings significantly speeds up the rooting process.

CO₂ Fusion 250ml 06166 500ml 06165



MAMMOTH P

increase phosphorus uptake

MAMMOTH P is the first organically derived microbial inoculant for growing plants that maximizes phosphorus and micro-nutrient cycling to maximize bud growth, increase yield, and enhance plant health.

MAMMOTH P was developed by Growcentia's founders at Colorado State University using next-generation technology.

MAMMOTH P has been tested extensively by Colorado growers and independent labs have proven to increase plant growth. All production is done at our facility in Fort Collins Colorado to maintain the highest level of quality control. This beneficial bacterial formula works great in soil, soilless, and hydroponic systems.

Using MAMMOTH P in hydroponic systems is an excellent way to introduce the organic benefits of soil microbial nutrients without sacrificing

water quality. MAMMOTH P was engineered to supplement any fertilizer program.

MAMMOTH P is specifically designed to increase phosphorus availability during the bloom phase, and should be used as a supplement to your regular fertilization program. Application during clone and vegetative phase will boost effectiveness. MAMMOTH P has a near neutral pH formulation and runs clean in any system.

Our bacteria act as micro-bioreactors, constantly producing a more diverse suite of enzymes that enhance nutrient availability than the leading enzyme-specific products.

Effective in All Media.

Mammoth P 1250ml 06190 250ml 06191 500ml 06192 1L 06193 4L 06194



Hygrozyme

UK's most popular root stimulant

Hygrozyme is a natural enzyme product which breaks down old roots into food for your plants while creating space for new roots to grow. Hygrozyme is completely unique in the way it is manufactured and it contains no living organisms.

Hygrozyme can be used right through the entire growing process or as a soak to rid old mediums of dead roots and to prepare them ready for your next grow. Add Hygrozyme to your nutrient solution at a rate of 2ml/litre. Adjust pH as necessary.

Use at the same rate for treating cuttings or seedlings and pre-treating rockwool cubes.

As with all nutrients, boosters and additives, never mix them together in their concentrated form (i.e. straight out of the bottle). Always add each nutrient, booster or additive to your reservoir or feed water in turn, giving the solution a good stir to mix it in before adding the next one.

Hygrozyme 500ml 02399 1L 02398 4L 02401 10L 05770

Hygrozyme is an enzyme product like no other. It is created by an entirely unique fermentation process which produces a bacteria free product consisting of enzymes and amino-acid chains. The enzymes in Hygrozyme break down old roots and turn them into food for your plants. This makes space for new roots to grow into and creates a healthier root-zone. Though it is not certified as organic, Hygrozyme contains only natural ingredients and can be used very effectively as part of a natural feeding schedule.

Because Hygrozyme contains no bacteria, the product has an almost unlimited shelf-life and can also be used with peroxide products.







4249

Nc

nutrient control



Manage crop health and productivity the easy way with a Bluelab meter, monitor or controller.

Bluelab has been dedicated to helping the hydroponic industry manage crop health and productivity easily and effectively for over 30 years.

Bluelab have a wide range of tough and dependable nutrient solution testers and accessories that measure pH, conductivity (ppm / EC) and temperature. Our testing products make knowing the essentials easy – so you can have better plants, and a better and growing horticulture business.



Combi Meter pH, EC and temperature measurement

The Bluelab Combo Meter is a portable all in one pH, conductivity and temperature meter. If you are experiencing problems with yellow leaves, or slow stunted growth, the Bluelab Combo Meter will soon tell you if each parameter is within the plants requirements. Adjustments can be quickly made to get your crop back on track.

The Bluelab Combo Meter has two probes, a Bluelab pH Probe and a Bluelab Conductivity/Temperature Probe. When taking a reading, simply place them into the solution and the selected reading is displayed on screen. As the Bluelab Combo Meter is portable and battery operated, it can be used anywhere, anytime to help you manage your crops' daily nutrient requirements.

Calibration of the pH probe is simple, as instructions are supplied on the back of the meter and the easy push button method makes this one of the simplest meters to use.

The pH probe is replaceable so you can use this meter for years to come. The conductivity/temperature probe does not require calibration as this is locked in during manufacture.

Measures pH, conductivity / nutrient (EC, CF, ppm 500 and ppm 700) and temperature (°C, °F)

Lightweight and portable · Large easy to read display · Simple push button pH calibration.

Bluelab Combo Meter [04474](#)

Guardian Monitor continuous pH, EC and temperature measurement

Bluelab Guardian Monitor provides 24 hour continuous reading for pH, conductivity (EC/ppm 700/TDS/CF) and temperature within a nutrient solution. Optimizing these critical parameters through a plants' growing phase helps ensure a successful crop.

Designed for indoor use, the Guardian Monitor can be mounted on a wall or hung on a support bar. Set up your reservoir, place the pH and conductivity probes in the solution, then adjust and glance!

Simply set high and low alarm states – if the solution moves away from the ideal range, the display flashes. A quick look at the monitor will let you know when your nutrient solution needs adjusting.

Plant-safe green LEDs · Large easy to read displays · No calibration required for conductivity and temperature.

Simple push button pH calibration · Selectable values for conductivity and temperature.

Flashing high and low alarms · Greater tolerance to RF / electronic interference provided.

Water resistant design · International power supply included · Replaceable double junction pH probe included.

Adjustable display brightness · Non-volatile memory (setting retained when power lost).

Bluelab Guardian Monitor [04430](#) Bluelab Guardian Monitor Spare pH Probe [05763](#)



Multimeter pH Meter

pH measurement

Plants all need a particular pH to maximize the uptake of nutrient solution. Without taking control of the pH, plants can't take up the necessary elements they need for good strong growth.

The Bluelab pH Meter is the perfect, portable way to accurately measure the pH value of a solution so you can add the right amount of pH up or down to get growth back on track. Simply place the pH probe into the solution and the selected reading is displayed on screen.

As the meter is hand held and does not require a power supply to operate, it can be used anywhere, anytime. Calibration of the pH probe is simple as instructions are supplied on the back of the meter and the easy push button method makes this one of the simplest pH Meters in its class to use.

The pH probe can be purchased as a replacement so you can keep on using the Bluelab pH Meter for years to come.

pH Pen

pH measurement

Plants get their nutrients from minerals, but they can only get all the right minerals they need if certain conditions are right. Think of nutrients like a lock. pH is the key. A key factor that affects food uptake is whether your solution is acid or alkaline. We measure this in pH.

The Bluelab pH Pen also measures the temperature of the solution, as root health is vital to the success of a crop. Temperature affects the growth rate and structure of a plant so a solution temperature of 18 - 22°C or 65 - 72°F is recommended.

The hand held pH pen provides a compact quick and handy way to manage the success of your crop to ensure maximum uptake of nutrients.

Teamed with our Bluelab ppm or EC Pen, you have a handy, convenient and accurate system for ensuring optimum plant growth and health.

Truncheon Nutrient Meter

EC measurement

It is essential when growing with a hydroponic solution to know what the strength of the solution is, before feeding your plants, and while they are growing. If the conductivity reading is too low, your plants may not be getting enough nutrients. If the conductivity reading is too high, plants can dehydrate.

Understanding the conductivity of the nutrient solution takes the guesswork out of feeding plants. It will also save you money!

Using the Bluelab Truncheon® Nutrient Meter is the fastest and easiest way to measure the conductivity!

To take a reading of your solution - simply place the probe head into the solution and the reading is indicated by the flashing lights. Calibration of the Truncheon Nutrient Meter is not required.

Conductivity Pen

pH and temperature measurement

The Bluelab Conductivity Pen simply tells you that your plants have the right amount of nutrient in your solution and lets you know if adjustments are needed. To feed plants well, we need to know what we're feeding them. Start with a quality nutrient.

Measuring the conductivity every day is the best way to avoid over-diluting or over-concentrating your nutrient solution. Completely change the reservoir solution every 7 days. Top up the nutrient level between changes - so your plants always have the right amount of food.

The Bluelab Conductivity Pen also measures the temperature of the solution, as root health is vital to the success of a crop. Temperature affects the growth rate and structure of a plant so a solution temperature of 18 - 22°C or 65 - 72°F is recommended.



Milwaukee pH51 pH tester

These instruments are designed for all applications.

Its' IP65 Waterproof casing and double junction (for pH) replaceable electrode make them suitable also for heavy duty applications, such as waste water treatment and agriculture.

The modular design allows easy electrode and battery replacement.

All Waterproof testers are supplied in a leather casing complete with calibration solution, batteries, instruction manual and screwdriver for calibration.

The pH51 is a waterproof pH tester with 2 points manual calibration, ± 0.1 pH accuracy and a range of 0.0 to 14.0 pH.

Milwaukee pH51 pH Tester 06109



Milwaukee C66 conductivity tester

The C66 is a conductivity IP65 waterproof tester, specifically designed for the hydroponics and agricultural markets, with automatic temperature compensation and 1 point manual calibration.

The tester has a range of 0.00 to 10.00 mS/cm.

The C66 has a replaceable electrode and is supplied in a casing with calibration solution sachets (M10031) and screwdriver for calibration.

The modular design allows easy electrode and battery replacement.

Milwaukee C66 Conductivity Tester 06110



ETI pH Pal Plus our most popular pH pen

The pH Pal Plus tester is a user-friendly and simple to use pH meter that incorporates an automatic calibration feature. At the touch of a button, the instrument will automatically re-calibrate itself when used in conjunction with a 7.00 pH buffer solution.

The pH Pal Plus tester will power off automatically after ten minutes, maximising battery life.

This pH Pal is ideal for measuring the pH in food processing and water testing applications. The pH tester is an invaluable tool when mixing concentrates with water.

The unit is powered by four LR44 button cell batteries (supplied) and includes a protective cap.

pH Pal Plus 02390



HortiStick 3in1 Multimeter an essential tool

The HortiStick 3-in-1 brings the best of technology into one sleek meter. It combines the measurement of the three most crucial parameters needed for a successful harvest: pH, conductivity, and temperature.

Simple and easy to use. Simultaneous display of pH and nutrient concentration. Replaceable sensor for prolonged meter usage. Auto endpoint sensing & display lock. Automatic temp. compensation. Rugged and water resistant. Push button calibration with automatic shut-off.

Hortistick 3in 1 Multimeter 03049



PLANT!T budget pH pen

The PLANT!T pH meter is reliable and easy to use. Small and lightweight, it is ideal for any growroom.

Ensure that your nutrient has the correct pH so that all the nutrition is available to your plants.

Ideal pH range is between 5.8-6.5 (always check nutrient instruction for the optimum pH).

PLANT!T pH Pen 05913





CANNA pH-

In order to lower the pH in the nutrient tank there is CANNA pH-. The solution is suitable for vegetative (growing) and generative (blooming) phases.

CANNA pH+

In order to adjust the pH upwards there is CANNA pH+. This product is suitable for both the growth and the flowering phase.

CANNA has two different solutions of CANNA pH+.

One of 5% for small adjustments and one of 20% for larger corrections.

CANNA Organo Acid

CANNA Organo Acid can be used as an organic alternative for CANNA pH-.

It can be used to bring down the pH values in your water or substrate. Maintaining the right pH value is crucial for your plant's ability to take up nutrients.

It also serves as an alternative for nitric acid and phosphoric acid.



GHE pH Down

Not just a simple acid: GHE pH Down makes a real contribution to nutrient solution stability.

To make GHE pH Down we carefully blend three acids commonly used alone in hydroponics to give you all the benefits of each - without the disadvantages.

Base formulated using potassium hydroxide, organic citric acid and potassium carbonate.

GHE pH Up

Whilst raising pH level may seem crazy to growers in hard water areas, it's a real issue with very soft water or when using reverse osmosis.

GHE pH Up allows that adjustment, and offers a good source of available silicate - which is often deficient in Hydroponics, due to its very low solubility.

GHE Dry pH Down

The only dry powder pH adjuster on the market today.

A unique product in the industry: inert when dry, GHE Dry pH Down becomes a potent acid when mixed with water.



BIO·BIZZ PH pH adjustment

Correcting pH is essential for plants to absorb the maximum amount of nutrients.

Biobizz Bio-pH- is an aqueous solution made of citric acid and found naturally in different citrus fruits, such as lemons.

Biobizz Bio-pH+ is a humic acids based formulation harvested from natural sources, especially designed for the growers that want to keep everything organic in their grow, from seed to harvest.

The natural formulation of Bio-pH- and Bio-pH+ enables fast pH adjusting of any type of substrate and for any type of crop, without harming the soil micro life.

Both are designed to work perfectly with the Biobizz nutrients and can be used in every watering. They are suitable to be used during both the growing and the flowering period.

Ultra pH- pH adjustment

Gold Label Ultra pH- is an universal acid for adjusting the pH levels of nutrient solutions.

It contains a balanced mix of phosphoric acid, nitric acid and sulphuric acid.

Add last to your nutrients solution, reduce pH carefully in small steps and stir well before measuring.

Use Ultra pH- in the vegetative and flowering period.

Recommended for all type of substrates and nutrient schedules.

Shake well before use. Keep away from children. Store in dry and concealed place.



Growth Technology pH Adjustment

pH Down

The premium solution maintaining and lowering a nutrient's pH level. Acid formulated using food grade Phosphoric acid. Just add a little at a time if your nutrient pH is too high in order to lower the pH to the proper level.

pH Up

Premium solution maintaining and raise a nutrient's pH level. Base formulated using Potassium Hydroxide and Potassium Carbonate. Add a little at a time if your nutrient pH is too low in order to raise the pH to the proper level.

GT pH Down 250ml 00033 1L 00032 5L 00034
GT pH Up 250ml 00126 1L 00125

Growth Technology pH Buffer

pH measuring calibration

Solutions of a known and fixed pH. These are used to calibrate pH meters. This should be done on a regular basis to ensure ongoing accuracy from the meter. Available buffer solutions: pH 4 and pH 7.

Conductivity Standard Solution

EC measuring calibration

Solutions of a known electrical conductivity (EC) used to check and calibrate EC meters. This should be a regular procedure to ensure best results from the meter.

Available EC standard solutions: 1.413 mS/cm and 2.76 mS/cm.

GT Buffer 7 Solution 300ml 00765 1L 04751
GT Buffer 4 Solution 300ml 00764
Conductivity Standard Solution 250ml 00766

Liquid Oxygen

cleansing and oxygenating agent

A daily addition of Liquid Oxygen to the nutrient tank will greatly enhance the photosynthetic process. This will lead to bushier plants with larger leaves, thicker stems and shorter inter-nodes. Plants will be stronger and leaves will be darker, thus collecting light with greater efficiency and further improving photosynthetic response.

Liquid Oxygen contains hydrogen peroxide (H₂O₂), which is a highly unstable molecule. It will quickly break down in the nutrient tank releasing a free atom of oxygen. This oxygen atom is extremely reactive and will attach itself to either another atom, forming a stable oxygen molecule, or attack a nearby organic molecule, such as a virus or fungal spore.

Liquid Oxygen can eliminate existing diseases and help to prevent future ones.

Liquid Oxygen 250ml 00116 1L 00115 5L 04750

Liquid Silicon

liquid silicon, the missing element

Silicon is a beneficial plant nutrient found in virtually all natural soils but not, until now, in hydroponic nutrient solutions. Silicon will strengthen the plants cell walls producing stronger healthier plants with massive root systems and increased resistance to pests and disease.

Liquid Silicon is highly beneficial to plants in the range of 20–50 ppm in the nutrient solution. It is not included, and cannot be included, at these levels, in nutrient concentrates. It needs to be added as a separate component by the grower. Liquid Silicon can be added to nutrient tanks every time a fresh batch is made.

Liquid Silicon 250ml 02668 1L 02667 5L 04628

Pythoff

hydroponic nutrient conditioner

Pythoff is an effective sterilising agent designed to ward off pests and disease in hydroponic systems. Once added to your nutrient solution, regular use of Pythoff will help protect your plants from a range of diseases, fungi, and parasitic organisms known to cause root-rot, in particular Pythium.

Pythoff will sterilise anything it comes into contact with which means all drippers, reservoirs, and surfaces in your hydroponic system will be sterilised and protected from pathogens that affect hydroponic systems.

Highly recommend to all hydroponic growers as Pythoff can be used safely in all hydro systems.

Pythoff 500ml 04081 1L 02993 5L 05001



5059

Gm

growing media



CANNA Coco Natural

natural coco-based plant medium

CANNA Coco Natural is a natural plant medium that offers the gardener and his plants advantages over other substrates. CANNA Coco Natural consists of 100% coco flakes, produced in India while processing coconut shells. The production process is subject to strict quality controls so we can vouch for this product's quality.

CANNA Coco Natural is an organic product that is very lightly buffered and free of harmful viruses or soil diseases.

CANNA Coco Natural has an excellent water to air ratio that provides the ideal properties for this cultivation method. In addition, it naturally contains a special Trichoderma that protects plants against soil diseases and aids nitrogen uptake.



CANNA Coco Professional+

coco-based growing medium

CANNA Coco Professional Plus is a product with a homogeneous structure and has had a full buffering, eliminating the side effects of growing on coir. Thanks to CANNA's unique production process CANNA Coco Professional Plus is free of harmful viruses and soil diseases.

CANNA Coco Professional Plus has a complex water/ air system that provides the ideal conditions for the professional approach to cultivation. In addition, it contains a special Trichoderma that protects the plants against soil diseases.

CANNA Coco Professional Plus makes an excellent potting mix improver after use.



Canna Terra Professional

nitrogen-rich potting mix

Your favourite plant grows best in a nitrogen-rich potting mix and CANNA Terra Professional potting mix is unlike anything you will find in a garden centre. It contains a blend of sphagnum moss peat, compost, worm castings, perlite and a special 'natural plant booster' which is a blend of organic ingredients. If you are going to grow indoors or outdoors, this is the potting mix you want to use.

Exclusive, high value organic ingredients such as airy peat moss and types of tree bark that have an antiseptic action are components of Terra Professional. These have the direct result of promoting exceptional root development and the formation of thicker stems, while faster metabolism combined with low sickness rates ensure an increased production.

Among other things, these characteristics make CANNA TERRA highly suitable for fast growing plants.



Canna Terra Professional+

the purest potting mix possible

CANNA Terra Professional Plus is the purest potting mix possible for plant cultivation. It also gives the best effects with CANNA TERRA nutrients. The formulation is specifically developed for indoor, grow-room situations. Of course, it also gives good results outside.

The medium is pH-adjusted for long-term control with a lime charge large enough to last an entire cycle. It has a mineral-nutrient starter charge that adjusts the initial level of nutrients up to a good beginning charge, correcting the ratios to work perfectly with CANNA TERRA nutrients.

The special structure provides optimum amounts of air and water in the medium.

CANNA Terra Professional Plus contains trace elements and chelates, which protect the plants during early growth.



CANNA Bio Terra+

a certified organic soil

CANNA Research has succeeded in developing a certified, organic soil that meets international organic standards. Bio Terra Plus is made up of 100% natural materials and as such can also be used for organic cultivation.

Bio Terra Plus is made up of top quality peats which include superior quality white peat. The airy structure of white peat is supplemented with shredded tree bark that has natural anti-fungus properties. BIOCANNA Bio Terra Plus only contains organic fertilisers of plant origin that are released according to the plant's needs. In this way the plant always gets the optimal amount of nutrients.

In Bio Terra Plus there's also use of coco's fibre, actually the best Coco is used: CANNA COCO.

Certified balanced biological fertilising, enriched with positive soil bacteria for the plant will create a beneficial symbiosis.

CANNA Bio Terra 50L **01684**



CANNA Aqua Clay Pebbles

baked clay pellets

CANNA Aqua Clay Pebbles are baked clay pellets that form an ideal substrate for use by experienced growers. Aqua Clay Pebbles are ideal for growers who want to control the application of nutrients and the humidity level of their plants throughout the entire cultivation process.

CANNA Aqua Clay Pebbles are manufactured from special types of clay that have a low soluble salt content. Because of this, they are particularly suited for use in closed hydroponic cultivation systems.

CANNA Aqua Clay Pebbles have both high porosity and high air content which stimulate the development of strong roots that grip the substrate well. Strong roots mean bigger yields.

Aqua Clay Pebbles are inorganic, have a neutral pH value, are fungus free and do not rot.

CANNA Aqua Clay Pebbles 20L **04729** 45L **00299**



CANNA 60/40 Coco Pebble Mix

the newest addition to the canna family

The newest addition to the CANNA family, CANNA Coco Pebble Mix is a mixture of 60% CANNA Coco Professional Plus and 40% CANNA Aqua Clay Pebbles.

Coco Professional Plus is a first-rate coco product that is made using top-quality raw materials. It has the optimum structure and purity, while CANNA Aqua Clay Pebbles are made from special types of clay that have a low soluble salt content.

CANNA Coco Pebble Mix 50L **05066**



Terra Seed Mix

ideal for germinating seeds

CANNA Terra Seed Mix is a potting mix that is perfectly suited for germinating the seeds of your favourite plants. It works great in combination with CANNA Start.

The advantages of CANNA Terra Seed Mix include the homogeneous, stable structure of Terra Seed Mix which is great for retaining water, giving the seeds the best chance of germinating correctly.

CANNA Terra Seed Mix is also particularly suitable for use when rooting cuttings.

CANNA Terra Seed Mix 25L **01415**



CANNA COGr 1.0m

COGr board

At the heart of the COGr line lies the COGr board. This board consists of a sophisticated mix of coconut grit, coconut fibre, and coconut granulates

Thanks to the coarse coconut structure, the COGr board has the unique property of being able to absorb large amounts of nutrients, moisture and air simultaneously, which are made immediately available to the plant. This makes the medium superior to all other growing media, promoting faster root development and higher yields.

COGr boards are ideal for transportation. They are delivered in dried and pressed form. In this form, they only weigh less than 2kg.

CANNA COGr Slab 1m **01018**

CANNA Coco Slab 1.0m

professional plus in slab form

CANNA Coco Slabs have been developed and created to fulfil all the requirements for plant cultivation.

They contain Trichoderma, which can protect the plant against soil diseases. CANNA Coco Slabs contain the same coco product as CANNA Coco Professional Plus!

The substrate can be used several times. It can be used as a potting mix conditioner afterwards. It is environmentally friendly and meets the strict RHP demands.

CANNA Coco Slabs are organic products with a homogeneous structure, free of chemical additives, harmful viruses and soil diseases. In contrast to coconut fibre, which is also used in horticulture, CANNA Coco Slabs are free of fibre and come in the form of fine flakes. This improves

CANNA Coco Slab 1m **00302**

GHE Organic Soil

peat free

Peat based soil comes with a huge cost to the environment, it's time to find a better way to make substrates. Enter T.A organic soil. All the advantages of a traditional soil, with optimised drainage, and water and oxygen retention, and without the cost of peat.

T.A organic soil: light mix contains organic compost, premium quality coco fibre and wood fibre, and perlite for aeration creating an ideal habitat for beneficial microorganisms.

RHP Organic certified, T.A light mix works for seed germination, starting and growing cuttings, in pot based cultivation, and as a soil improver in gardens and borders.

Conductivity Standard Solution 250ml **00766**

GHE Coco Tek

RHP certified 100% pure coconut coir

High quality, ultra-clean substrates from a totally renewable organic source: the ease of soil growing with added performance.

The CocoTek range is derived from premium quality coconut coir processed to give you one of the cleanest, lightest, best performing coco coir substrates on the market today - safe to use straight from the bag with no rinsing needed.

Guaranteed pathogen, weed, pest and perlite free.

CocoTek product can be used as soil replacement in traditional hand watering contexts.

CocoTek coir can be reused up to 3 times if needed, and makes a superb garden and agricultural soil improver, especially in clay soils.

GHE CocoTek 50L **05227**

GHE Coco Tek PX

RHP certified 75/25 coco/perlite mix

High quality, ultra-clean substrates from a totally renewable organic source plus added perlite the ease of soil growing with added performance.

The CocoTek range is derived from premium quality coconut coir processed to give you one of the cleanest, lightest, best performing coco coir substrates on the market today - safe to use straight from the bag with no rinsing needed.

Pathogen, weed and pest free.

The optimised drainage and root zone oxygenation offered by CocoTek PX is ideal for use in the GHE Ebb & Grow system, self-watering pots and dripper systems, and all CocoTek product can be used as soil replacement in traditional hand watering contexts.

GHE CocoTek PX 50L **05226**





Gold Label Special Mix

pre-fertilized soil mix

Gold Label Special Mix is made using Swedish virgin white peat of the highest quality.

One gram of Special Mix can absorb a stunning ten grams of water.

The peat is cut into a coarse structure and mixed with only the highest quality perlite, Swedish clay, lime, minerals, trace elements and organic fertilizer.

It's a complete mix, ready for use. Special Mix contains nutrients for the first 2-3 weeks of your crop cycle.

Gold Label Special Mix 45L **05986**



Gold Label Special Mix Light

seedlings, young plants and cuttings

Special Mix Light is for growers who would like to take matters in their own hands when it comes to feeding.

Made with the same high quality Swedish white peat as in our Special Mix, only with less nutrients added.

The lower concentration of nutrients allows the grower to control the nutrient gift from day one. Just enough nutrients are present in the substrate for a healthy start! You can use Special Mix Light with both organic and mineral nutrient lines.

Gold Label Special Mix Light 45L **05987**



Gold Label Custom No Perlite

soil mix with added coco

Gold Label Custom No Perlite is based on the Special Mix Light principle, mixed with more pure (raw) coco fibres to compensate the capillary features of the perlite.

Raw coco coir fibre also has outstanding capillary features, the substrate can hold water and remain airy for the root system. This is what makes Custom No Perlite perfectly suitable for organic growing and it is easy to recycle.

No unwashed perlite in the domestic gardens!

Gold Label Custom No Perlite 45L **40046**



Gold Label Coco

washed & buffered in Holland

Gold Label Coco is the highest quality coco's coir substrate available, the substrate is carefully washed and 'charged' in Holland.

With a special permit we are able to guarantee a clean and environmentally responsible product to our customers.

No chemical treatments are performed to 'reduce' salts from the coco's, the salts are washed out and mineral elements are introduced to guarantee a healthy start for the plants!

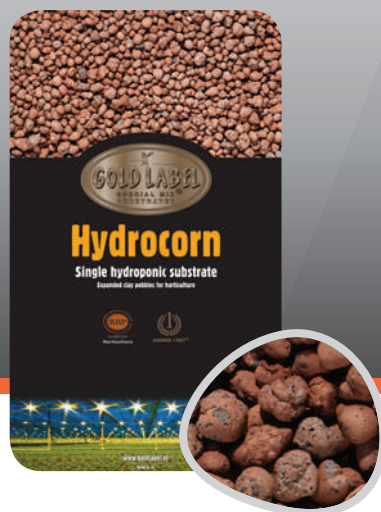
Salt is bad for plants!

Gold Label Coco is flushed down until 0.05 EC and recharged with calcium nitrate, trace elements and vitamins.

Gold Label Coco is charged and ready to go, plants love this!

Where the most sensitive plants (clones) often face difficulties, especially with the start, small plants kick off immediately in Gold Label Coco.

Gold Label Coco 45L **05988**



Gold Label Hydrocorn

the ONLY RHP certified clay-pebble substrate

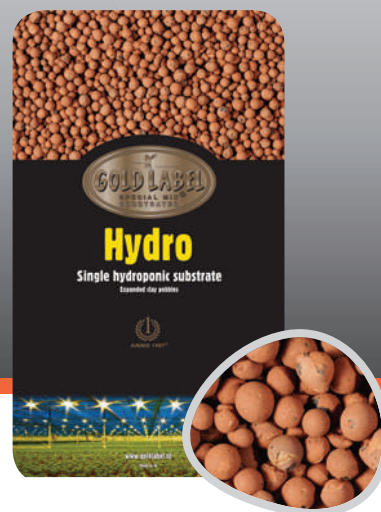
- Hydrocorn 8-16mm
- Hydrocorn (XL) 16-25mm

Hydrocorn is irregular shaped, this allows roots to get a grip and produce more side hairs. Because they produce more side hairs, they are able to absorb more elements.

A stronger root system creates a healthier and better producing plant.

HYDROCORN-RHP pebbles are baked in clean fuels, therefore they are food grade and RHP certified. We are proud to say that our HYDROCORN products are the only clay pebbles on the globe with RHP for horticulture certification!

Gold Label Hydrocorn clay-pebbles are porous and able to absorb about 15% of water of its own weight, so therefore they are much more forgiving for the users.



Gold Label Hydro

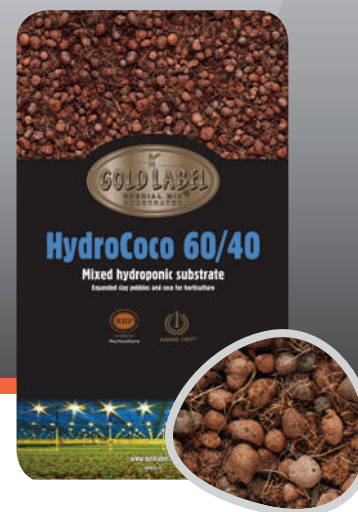
denser baked clay pellets

For people who prefer a hard outside layered round pebble, we carry the flushed (so not dusty), round Gold Label Hydro pebble.

A nice looking and round shaped 8-16mm clay pebble.

Suitable for intensive drainage irrigations.

This product is not RHP certified.



Gold Label Hydro-Coco 60/40

the only RHP approved hydro-coco mix substrate

This Bullet-Proof mix simply is the best mix of the highest quality Coco coir and the unique Hydrocorn irregular clay-pebbles that offers the best of both worlds.

- In general, a pure coco grower grows too wet, where the roots will suffocate in the bottom of the pot.
- In general, a pure clay-pebble grower grows too dry, because of the lack of moist at the roots.

So, if you mix both these substrates you make it in a way bullet proof. 60%, Hydrocorn – (RHP), for structure, grip and oxygen and 40% coco (RHP) for nutrient and moisture retention.

In this exclusive mix we use the outside of the coconut (raw fibres) for better water transportation through the pots (capillary action). This coco is washed and treated exactly the same as the regular Gold Label Coco in Holland under the highest environmental regulations.

‘The Perfect mix for Multiflow V3 system.



Gold Label Hydro-Coco 80/20

the only RHP hydro-coco mix substrate

Gold Label Hydrocorn and Coco is an ideal match for high water capacity, lower watering frequency and better rooting.

We utilize the 8-16mm Hydrocorn from Gold Label and the purest Gold Label Coco to give you the perfect ebb and flood growing substrate that also works well in any pot based systems.

The 80/20 mix allows you to feed less frequently than in straight Hydrocorn but more frequently than 60/40. This gives you a buffer on the watering times but still allows you to feed regularly without over watering.



Bio Bizz All-Mix

pre-fertilized soil mix

All-Mix® literally does it all for you – creating the optimum environment for plants to flourish throughout the year.

This heavily pre-fertilized substrate mixture emulates a rich outdoor soil with a full micro active ecosystem. It's been designed to have enough nutrient-fuelled power to sustain lush growth for a couple weeks, without any need to add any extra fertilizer.

When using All-Mix for the first time, moisten it with water and leave to stand for 36 hours. This gives the Pre-Mix™ active fertilizer and microorganisms inside the substrate a chance to start working their magic before the plants goes in.

Keep the soil slightly warm at all times – if it's too cool, the microbial activity slows down, which makes it more difficult for the plants to grow. You also want to allow the soil to dry out between each watering. Because, as the All-Mix substrate dries out, fresh air gets in, which helps the soil to breathe.

Bio Bizz All Mix 20L 02900 50L 02883

Bio Bizz Light-Mix

seedlings, young plants and cuttings

If you want more control, Light-Mix provides the ideal foundation for encouraging vigorous growth in seedlings, young plants and cuttings – right from the beginning.

It gets the vital micro activity going as the water works with the soil, producing organic catalysts that rapidly develop root structures. Light-Mix® has also been specially blended to ensure optimal drainage throughout – an essential property if you use automatic irrigation systems.

You can apply larger quantities of this fertilizer to any kind of plant, including heavy feeders, without the risk of overloading the soil and causing a nutrient burn – indicated by yellowing and crunchy, burnt tips on the leaves. With automatic watering it's important that the water properly infiltrates the substrate, or this can become too wet and cause mould to form.

Bio Bizz Light Mix 20L 02901 50L 02902

Bio Bizz Coco-Mix

100% pure coconut coir

No, we're not talking chocolate bars here – but Biobizz® Coco-Mix™ that is probably the best, 100% organic coco coir product on the market.

It's made from waste materials left over by the coconut industry, which has proven to be an ideal medium for growing plants.

To become this famous substrate, the coco coir matter is first decomposed over a period of time to soften the strong fibres. This is then washed in clear water, dried and shredded to become light and airy Coco-Mix™ – which contains little moisture and a low pH of 5 or 6.

Coco-Mix™ works well plugged into pots as a rock wool replacement for growing all kinds of hydroponic crops – simply fill small pots with plugs of Coco-Mix™. It's compatible with all types of nutrients and can be used to refresh All-Mix™ or other soil mixtures and with your usual A+B range to improve aeration.

Bio Bizz Coco Mix 50L 02903

Bio Bizz Pre-Mix

soil improver

Want guaranteed optimum growth, flowering, and maximum resistance to disease and fungal problems? Pre-Mix™ combines the qualities of different organic fertilizers, rock meals, trace elements, and fungi – all in just the right quantities in one convenient and versatile pack.

You can use Pre-Mix™ as a transplant or starter fertilizer. Blend it into any soil or soilless substrate, or combine it with high-quality organic worm castings to add microbial life and fortify the nutritional value of your soil or planting mix.

Bio Bizz Pre Mix 5L 02913 25L 02914



Bio Bizz Worm•Humus

soil improver

Worm humus, also known as vermicast, is the final product of decomposed material excreted by the king of the soil – the earthworm.

This high quality organic compost is made from 100% pure, organic worm castings that have been stringently lab-tested to ensure they don't contain any farmyard waste, landfill waste or compost.

Packed with water-soluble nutrients and bacteria, our Worm-Humus™ is a very nutritious organic fertilizer and excellent all-round soil improver.

Worm-Humus™ is perfect for refreshing All-Mix®, adding to substrate mixtures already in use, or preparing the garden subsoil. The ideal proportions to aim for are a blend of: 10 - 15% Worm-Humus™ to 85 - 90% All-Mix®.



Guanokalong Complete Mix

pre fertilized potting soil

This growing media is charged with the correct amount of Guanokalong Powder. Mixed with products like: seaweed powder, palm tree ashes, cotton seed powder, fish powder and volcanic loam, this unique mix of products represents a full body pure organic NPK value with an abundance of trace elements.

The soil has enough nutrient for the first 2 weeks of growing as it is lightly enriched with Guanokalong Powder.

This soil contains: Perlite 10%, Baltic white peat, black peat, PG Mix and worm castings 10%.



Horticultural Perlite

water retaining inert growing medium

Just as horticultural perlite has served the professional grower for many years, it can help the home gardener solve a multitude of common problems. In addition to promoting drainage and aeration in heavy clay soils, horticultural perlite provides optimum moisture retention for successful plant growth.

When horticultural perlite is added to heavy clay soils, water ponding and surface crusting may be eliminated. In addition, plant roots may more easily penetrate the perlite/soil growing media and develop more fully. Horticultural perlite can be particularly advantageous in modifying the structure of general garden soil, patio plantings, and roofscapes.



Vermiculite

water retaining soil improver

Vermiculite is the name of a group of hydrated laminar minerals (aluminum-iron magnesium silicates) which look like mica. Horticultural vermiculite is processed with massive heat that expands it into accordion shaped pellets composed of multiple layers of thin plates. It will not rot, deteriorate, or mould and is enduring, odourless, non-toxic and sterile.

Vermiculite added to the garden or vermiculite in potting soil increases water and nutrient retention and aerates the soil, resulting in healthier, more robust plants. Perlite may also be found in potting soils, but vermiculite is far superior for water retention. Vermiculite, although it is able to hold less air than perlite, is the correct choice for more plants liking more water.





6067

P

propagation



Garden HIGHPRO Propagator XL
120x40x200



Garden HIGHPRO Propagator L
60x40x200cm



Garden HIGHPRO Propagator M
80x60x40



Garden HIGHPRO Propagator S
60x40x40cm

Garden HIGHPRO Propagator

professional propagation systems

Garden HIGHPRO offer a range of propagator tents to help create the perfect environment for seed germination and rooting cuttings.

Constructed from strong and tear resistant 420D Nylon Fabric with the frames constructed from a patented strong and stable steel structure.

The inner is covered with a premium 97% reflectivity mylar certified as plant friendly.

The high quality zippers are light proof and corrosion resistant.

Plastic viewing windows, doubled soft fabric air, electrical inlet and outlet sockets, complete this tent range.



Secret Jardin Dark Propagator propagation tent

The Secret Jardin Dark Propagator tent range comes in 3 sizes.

DP60 measuring 60cm x 40cm x 60cm

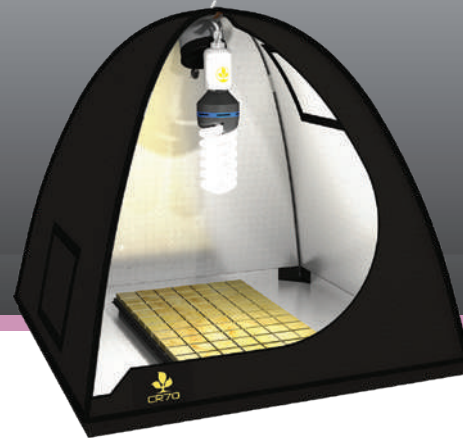
DP90 measuring 90cm x 60cm x 98cm

DP120 measuring 120cm x 60cm x 190cm

Constructed from 16mm steel poles, the fabric is a very reflective Mylar M210D and 3mm thick plastic corners.

Ideal for use with T-LED lighting the breathable material provides the same temperature and humidity in the whole tent.

These units can also be used for grow and bloom for small plants.



Secret Jardin GreenHouse propagation tent

The Secret Jardin GreenHouse is a "Reflector Tent. The most intense and the best distribution of light on the market.

Constructed from fibred structured poles and sturdy joints, the fabric is mylar 190T.

CFL dedicated grow room for grow & flowering. The shape of the tent acts as the best integrated reflector. Easy set-up and very cost effective grow tent.

Comes complete with a CFL 65w lamp and lead.



Secret Jardin Hydro Shoot HS80p propagation tent

Hydro Shoot Grow Tent have been manufactured for both beginners and experienced gardeners looking for a great value.

Hydro Shoot fits perfectly for both growing and flowering thanks to all accessories you can use on it.

Easy and quick to assemble, made of a strong steel structure and a full Mylar Fabric, Hydro Shoot are the tents you need, to start with or to complete your setup.

HS80p measures 80cm x 60cm x 80cm.



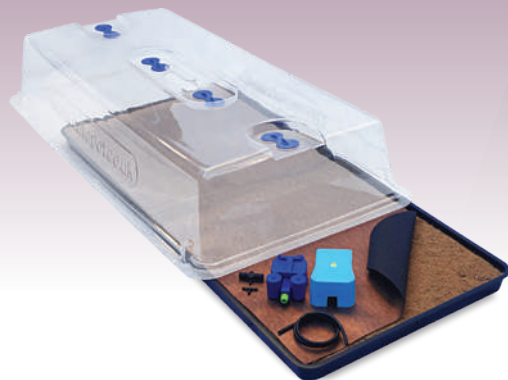
GorillaBox Clone Tent propagation tent

The GorillaBox Clone Tent has 2 shelves giving it lots of room for cuttings or seedlings at an affordable price.

The clone tent measures 120cm x 60cm x 120cm. Constructed in 600D high quality non-toxic mylar. Steel poles and metal corners with coated open mesh shelves

Ideal for use with T5 lights, T-LED lights or CFL bulbs.

The units can be used for seedlings, small plants or cuttings.



AutoPot easy2propagate

propagation made easy

easy2Propagate is the largest, most adjustable single piece propagation lid on the market. It's size and ventilation capacity mean a vast range of climatic options are achievable.

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

A cavernous 200mm 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 and 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 6mm 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.



GHE Rainforest2®

the latest generation of aeroponic modules

Three options to grow small to medium plants from cutting to maturity in one unit.

- Go from cuttings to adult plants in the same unit
- No need for heavy substrate
- Large reservoir capacity helps stabilise pH
- Aquafarm style level tube allows easy direct access to nutrient solution for testing.
- Covers available with different sized growth sites for maximum flexibility

The 2nd Generation Rainforest series allows you to grow in 2, 3 or 6-inch pots allowing a variety of different plant sizes to be grown with optimum spacing. The smaller the pot, the more the unit can house: 36 for the 2" model, 18 for the 3" version, and 6 for the 6" Rainforest2.



GHE RainForest 72 Propagator®

the latest aeroponic propagation module

Multiple aeroponic growth sites in one compact unit.

The RainForest72 uses the vortex motor from the original Aeroponic Rainforest range to deliver perfectly oxygenated nutrient solution to up to 72 cuttings, without the need for protective covers.

Used by some of the world's biggest labs including Los Alamos and the Argonne National Laboratory in the USA, the Rainforest72 delivers the most dramatic growth rates of any system they have tested.

- Propagate 72 plants on a 67cm footprint.
- Large 70L reservoir capacity helps stabilise pH
- Made in France from 100% recycled, UV stabilised and barriered plastic.
- Guaranteed for life! *

* Lifetime Guarantee is for reasonable use only and applies to moulded plastic systems made in France by GHE, and excluding ancillary components, motors etc



GHE CuttingBoard Propagator®

compact aeroponic propagator

The best choice for small projects and a key instrument for plant collectors.

Like the RainForest72®, the Cutting Board is an ideal system to get a vigorous and healthy root mass, that will easily adapt to the different environments into which they will be transplanted, be it in hydroponics or in soil.

It is a key system for small projects and a practical instrument for all.



CFL Blue 6400k/ CFL Red 2700k

lower power grow and flower bulbs

The blue CFL grow light is designed for the vegetative growth cycle of your plant.

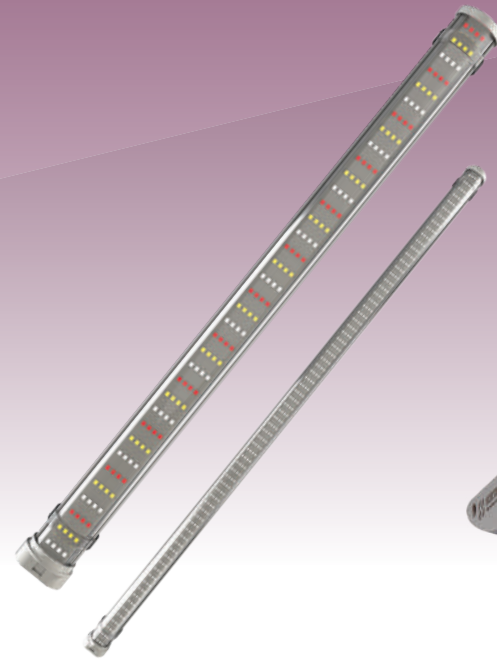
The red CFL grow light is designed for the flowering growth cycle of your plant.

Available in 125w, 200w, 250w and 300w versions.

CFL's use less power and have a longer rated life than traditional low power incandescent bulbs.

CFL's radiate a different light spectrum from that of incandescent lamps. Improved phosphor formulations have improved the subjective colour of the light emitted by CFL's across the PAR Spectrum.

Pro Star CFL Blue 125w 05508 150w 06181 200w 05422 250w 05423 300w 05424 Pro Star CFL Red 125w 06186 150w 06187 200w 06185 250w 05425 300w 05426 Dual Spectrum 250w 06182 300w 06813



Secret Jardin T-LED

LED low power propagation lamps

Choosing T-LED lighting is using lighting technology with the best lighting spectrum.

Growing and blooming lights are available in 26w and 42w versions.

Designed for low space, with small extraction. They can also be used as HPS add-on lights.

5 times longer service life & no yield drop over time.

More penetration than TCL & T8 technologies.

Better spectrum than any other technologies.

Secret Jardin Grow 26w 05751 42w 05753 Secret Jardin Bloom 26w 05665 42w 05752



Hortimol

full spectrum FSG

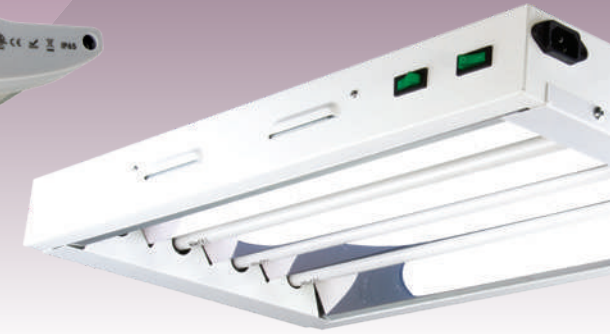
This Tled Hortimol 40W is an ultra-thin (1.5cm), very light (900 grams) horticultural lighting system designed for Vertical Farming or propagation. It has 264 Osram LEDs and 8 IR mounted on an aluminum ramp with impeccable finishes.

Its FSG 4000K spectrum is intended for the growth of cuttings and young planted gardens indoors in a greenhouse or in a growing room.

The full spectrum FSG is designed to fill the lack of pigment located outside the ranges 660 and 450nm. It increases the radiation energy of red light at a wavelength of 660nm in white light.

The overall color temperature of the FSG spectrum of this TLED Hortimol is 4000K with a CRI of 88.

Hortimol 40w 4000K 36313



T5

low power florescent grow lights

These light units are designed for small plants and cuttings.

Very little heat is emitted and so the unit can be placed very close to plant-top height without fear of scorching.

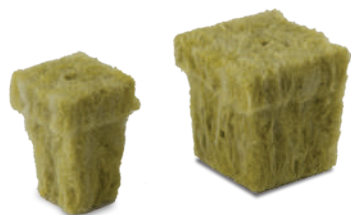
These units also have low power consumption in relation to traditional HID lighting systems.

Choice of EnviroGrow or Maxibright.

Available in 4 sizes.

- 2ft x 2 Lamp unit 48w
- 2ft x 4 Lamp unit 96w
- 4ft x 4 Lamp unit 216w
- 4ft x 8 Lamp unit 432w

EnviroGro 2ft x 2 Tube 05241 2ft x 4 Tube 05243 4ft x 4 Tube 05242 4ft x 8 Tube 05262 2ft Replacement Bulb 05931 4ft Replacement Bulb 05932 Maxibright 2ft x 4 Tube 05800 4ft x 4 Tube 05801



Grodan SBS Cubes

rooting cubes

Ideal for seed or cutting propagation, the SBS (Single Block System) are supplied in their own handy plastic tray for easy handling.

Once young plants are rootbound they can be transplanted to a larger block or pot of growing medium.

Grodan SBS 25mm x 150 **05904**
36mm x 77 **05904**



Grodan Delta Blocks

planting on blocks

Once seeds or cuttings are rooted in a propagation cube, transplant them to a Grodan Delta Block. 3" and 4" blocks are ideal for use in NFT, slab culture, dripper or Ebb & Flood systems. 6" Hugo cube can be used for deep Ebb & Flood tables or passive pot culture.

Grodan Delta 4G Block 3" **05905** 4" **05908**



Grodan Vital Slab

planting on slabs

The most popular slab for the hobby grower, Vital offers value and proven reliability.

Predominantly vertical fibre structure promotes rapid rooting and vigorous vegetative growth.

Grodan Vital Slab 1m **05907**



Eazy Plug

rooting cubes

Eazy Plug has, with its organic materials and our special way of bonding, a predetermined pH and EC value and a fixed air-to-water ratio.

The Eazy Plug is very easy to use. Just make sure that the plug can always drain the excess water, you cannot over water it.

Eazy Plug Tray x 24 **02588** x 77 **02587**



Eazy Block

planting on blocks

Eazy Block is very well bonded, so it needs no plastic wrapping. Without the plastic covering the roots stop growing when reaching the outside of the block. At this point air pruning takes place. The effect will generate a very well developed root system with a maximized absorption capability.

Eazy Block **02898**



Root!t Rooting Sponges

available in trays and bags

They are a clean, effective and easy alternative to traditional methods of propagation helping you to successfully grow your own plants and vegetables.

ROOT!T Natural Rooting Sponges are a breakthrough in technology using plant derived biodegradable polymers.

Root It Rooting Sponges 50 **05291**



Root Riot Tray

available in trays and bag

Made from composted organic materials, these cubes have a great spongy texture which retains the perfect air/water ratio for healthy, rapid root growth.

The cubes are specially inoculated with micro nutrients and biologically active ingredients to nourish young plants, and to aid root development.

Root Riot Tray x24 **05905** Root Riot Bags x50 **05905** x100 **05905**



CANNA Vega Start

perfect start for cuttings

CANNA Start is a unique, balanced, one-part nutrient to meet the needs of seedlings and rooted cuttings.

CANNA start gives you all the primary, secondary and macro elements for a cutting or seedling to develop into a strong healthy plant.

CANNA Vega Start 500ml **01888** 1L **01889** 5L **01890**



Power Root

cloning gel for cuttings

With Power Root, your cuttings can be dipped right into the jar without fear of contamination. No need to decant your gel before using.

It has a unique line of defences against bad bacteria that can ruin your attempt at a healthy start for your plants.

Power Root 50g **05678** 150g **05679** 250g **05680** 500g **05681**



Root!t

cloning gel for cuttings

ROOT!T Rooting Gel is a revolutionary product that has replaced the need for traditional hormone rooting powder. This gel contains no hormones and relies on a physical mode of action to work. Not only are you assured of a great plant but it is also the most cost effective way of propagation.

Root It Rooting Gel 150ml **05290**



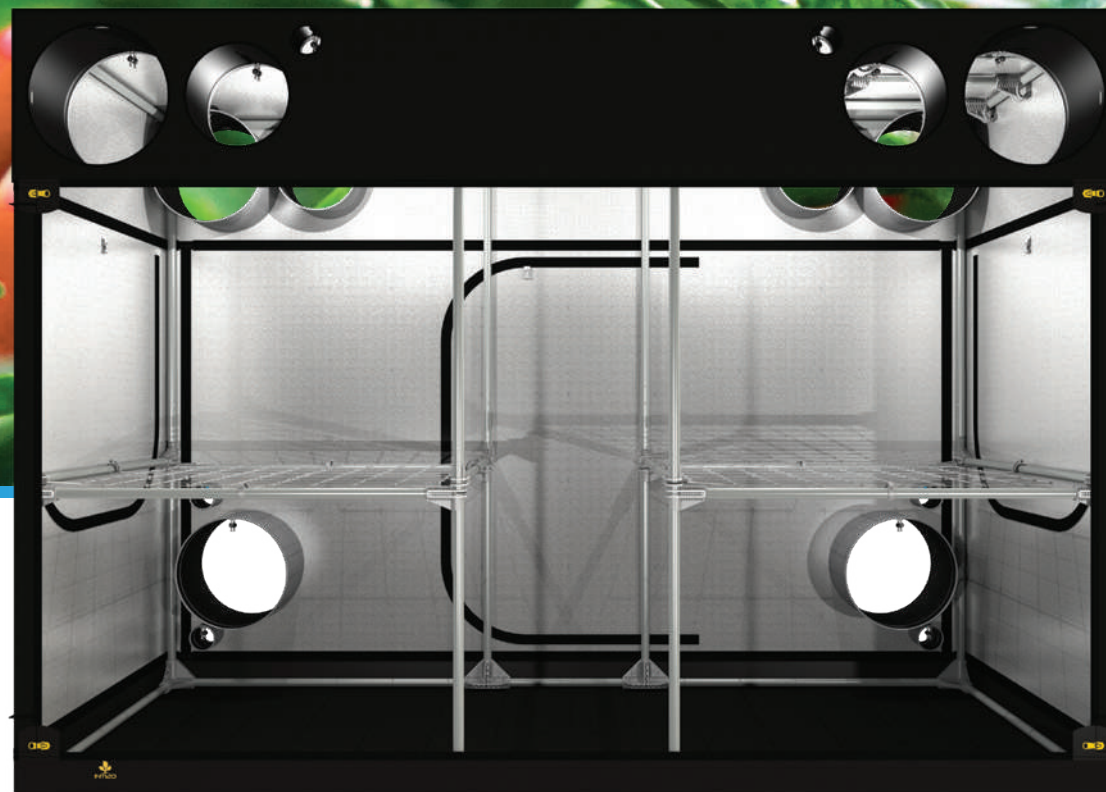




6877

Gr

grow rooms



Intense 120



secret jardin

Secret Jardin are industry leaders in indoor Grow Tents since 2016 and their product lines are known to be an excellent choice to the both professional and hobbyist growers.

To satisfy any types of grow tent users, whether they are beginners or experienced, Secret Jardin has developed a complete range that meets their requirements. Our grow tents have special characteristics depending on whether they belong to the Intense, Dark Room, Dark Street or Dark Propagator line.

For growers looking for high grade products, Secret Jardin's Grow Tents bring a strong steel frame, a heavy-duty light-proof black outer skin and a high reflective toxic-proof inner coating. But Grow Tent is not just about the tent : at Secret Jardin, we care about providing our users with the complementary accessories that will make a great and an effective setup. Space Boosters, PocketIT, CableIT, WebIT and other equipments are included for free right in your box !

And if you are a first-time user or a price-conscious buyer, then Secret Jardin provides the Hydroshoot Grow Tent line, its essential line.

In 2019, Secret Jardin is reinventing Grow Tents with the launch of its new generation of tents featuring professional grade intake and exhaust ports. Intake and exhaust ports come as a set of robust flanges and connectors which can be installed anywhere on the tent frame. As a result, ducts, filters and extractors are easily and steadily attached to the ports as they would be to a wall. The overall setup reduces vibrations while preventing any light leaks or sealing defects.

Intense

expert

Expert grow tents, dedicated to the cultivation of intensive crops. Massive Ø30mm structure and thick tear-proof 900D canvas.

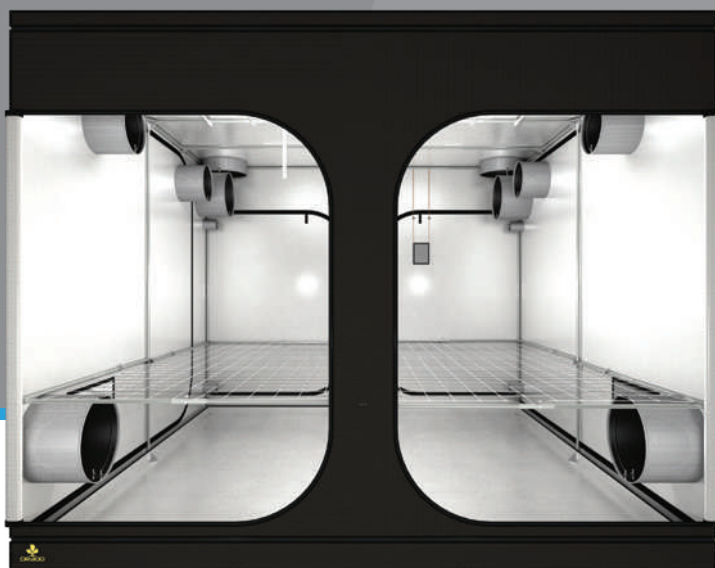
Easy access to the plants through side windows and central corridor. Height option: extend the height of your grow tent by 30 or 60cm. Set up your big "grow warehouse" by linking multiple Intense tents together.

- High reflective mylar inside (95%)
- Stainless steel corners with dual lock mechanism
- Up to 75kg equipment at centre
- Aluminium tubes 23mm diameter 1.5mm thickness
- Strong & washable fabric, 0.6mm thickness
- Strong thick base

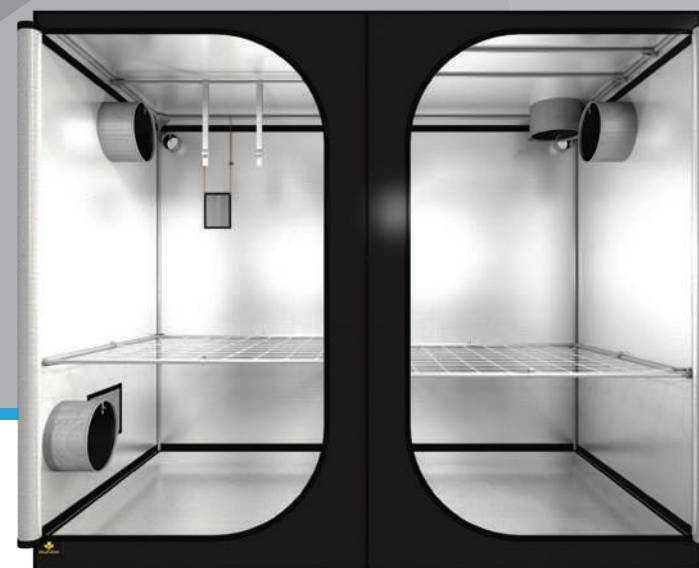
Code	Product	Length	Width	Height	Colour
05632	Secret Jardin Intense 120	120	300	215	Silver
05633	Secret Jardin Intense 240	240	300	215	Silver
05634	Secret Jardin Intense 480	480	300	215	Silver
25635	Secret Jardin Intense 150	150	360	242	Silver
05636	Secret Jardin Intense 300	300	360	242	Silver
05637	Secret Jardin Intense 600	600	360	242	Silver

Dimensions in cm

Code	Product	Height	Colour
05771	Secret Jardin Intense 120 Height Option	30	Silver
05772	Secret Jardin Intense 240 Height Option	30	Silver
05773	Secret Jardin Intense 480 Height Option	30	Silver
05774	Secret Jardin Intense 150 Height Option	60	Silver
05775	Secret Jardin Intense 300 Height Option	60	Silver
05776	Secret Jardin Intense 600 Height Option	60	Silver



DR300



DS240w

Dark Room

professional

New tubes, corners, Mylar & heights The Secret Jardin Dark Room is a premium quality grow tent. Purpose made to accommodate your chosen growing system; it provides the perfect environment for growing plants.

The five tube concept reduces spare tube stock levels, to just five different tube sizes per range. This allows easy fulfilment of spare tube requests.

Code	Product	Length	Width	Height	Colour
05644	Secret Jardin DR60	60	60	170	Silver
05645	Secret Jardin DR90	90	90	185	Silver
05646	Secret Jardin DR120	120	120	200	Silver
05650	Secret Jardin DR150	150	150	235	Silver
05902	Secret Jardin DR150w	150	90	200	Silver
05648	Secret Jardin DR240	240	240	200	Silver
05649	Secret Jardin DR240W	240	120	200	Silver
05650	Secret Jardin DR300	300	150	235	Silver
05658	Secret Jardin DR300w	300	300	235	Silver
05651	Secret Jardin DR480	480	240	200	Silver
05652	Secret Jardin DR600w	600	300	200	Silver

Dimensions in cm



DR20

Dark Street

hobbiest

The Secret Jardin Dark Street 2.50 is specially lined with a new reflective hammered effect Mylar fabric (190D).

All water trays are now in Mylar.

Increase of the tubes thickness from 0.5 to 0.6mm.

Pre-equipped for extraction and ventilation, the tents come with equipment bars and accessories to support lamps, and carbon filters.

Code	Product	Length	Width	Height	Colour
05653	Secret Jardin DS60	60	60	150	Silver
05654	Secret Jardin DS90	90	90	170	Silver
05655	Secret Jardin DS120	120	120	185	Silver
05656	Secret Jardin DS150	150	150	200	Silver
05657	Secret Jardin DS240	240	120	200	Silver
55555	Secret Jardin DS300	300	300	235	Silver



DS90



L80



HS120



HS80



HS40

Secret Jardin Lodge

hobbyist

The Secret Jardin Lodge is a cultivation and propagation tent that has 3 different compartments, one large to house mature plants and two smaller side compartments to house low power lighting and propagators.

The Lodge 120 could also be used to flower smaller plants whilst growing on the next successive crop, creating a much quicker turnover of crops.

Like all other Secret Jardin tents, the Lodge is constructed out of thick, quality materials making them strong, sturdy and near impenetrable to the brightest of light.

The Lodge 120 is only 150cm tall making it ideal for tighter spaces.

Code	Product	Length	Width	Height	Colour
05659	Secret Jardin L90	90	60	135	Silver
05660	Secret Jardin L120	120	90	145	Silver
05661	Secret Jardin L160	160	120	205	Silver
05662	Secret Jardin L280	280	120	210	Silver

Dimensions in cm



L90

Secret Jardin Hydro Shoot

entry level

The new Hydro Shoot range of tents provides an excellent growing environment at an affordable price for price-conscious buyers.

Easy to set up, both to assemble and dismantle, the Hydro Shoot grow box range offers flexibility and a range of size options.

Using 95% reflective Mylar internally, it's an incredible value for money option.

Secret Jardin Hydro Shoot tent offers a very compact solution for price-conscious buyers. Its compact size is ideal for growing young plants or the keeping of older plants.

Code	Product	Length	Width	Height	Colour
05835	Secret Jardin HS40	40	40	120	Silver
05836	Secret Jardin HS60	60	60	140	Silver
06201	Secret Jardin HS80p	80	60	80	Silver
05837	Secret Jardin HS80	80	80	160	Silver
05838	Secret Jardin HS100	100	100	200	Silver
05839	Secret Jardin HS120	120	120	200	Silver



HS80



GORILLABOX

a full range of quality affordable tents

GORILLABOX grow tents are available in a variety of sizes to accommodate different situations. Standard grow tents are available for customers looking to grow a few plants, while deluxe ones are for those growing a full garden throughout the year.

A matched ventilation system will provide temperature control and increased air circulation within the space.

The light proof construction allows for a controlled day night light cycle for your chosen indoor lighting system without it being effected by outside light.

The tents are constructed of high quality, heavy duty 210D and 600D Mylar fabric. Incorporating high quality, heavy duty zips.

The frame is a sturdy 16mm or 25mm diameter 1.0mm thick coated metal construction with welded metal corners and click lock joints.

Code	Product	Length	Width	Height	Colour
04962	GorillaBox Standard Tent	80	80	160	Silver
04963	GorillaBox Standard Tent	100	100	200	Silver
04964	GorillaBox Standard Tent	120	120	200	Silver
04966	GorillaBox Standard Tent	120	240	200	Silver
04965	GorillaBox Standard Tent	150	150	200	Silver
05925	GorillaBox Standard Tent	200	100	200	Silver
04968	GorillaBox Deluxe Tent	200	200	200	Silver

Dimensions in cm

Code	Product	Length	Width	Height	Colour
04969	GorillaBox Deluxe Tent	240	240	200	Silver
04967	GorillaBox Deluxe Tent	300	150	200	Silver
04970	GorillaBox Deluxe Tent	300	200	200	Silver
04971	GorillaBox Deluxe Tent	300	300	200	Silver
05926	GorillaBox Deluxe Tent	400	200	200	Silver
05258	GorillaBox Deluxe Tent	600	300	220	Silver
05259	GorillaBox Deluxe Tent Silver Back	600	300	220	Silver













Code	Product	Length	Width	Height	Colour
04961	GorillaBox Standard Tent	60	60	140	Silver
05927	GorillaBox Roof Tent	120	120	180	Silver
05928	GorillaBox Roof Tent	150	150	180	Silver
05929	GorillaBox Roof Tent	240	120	180	Silver



BudBox

ENVIRONMENT IS EVERYTHING

Since its inception, over 10 years ago, BudBox™ has been, and remains, the most trusted name in the indoor grow tent market. Right from the start they have remained at the very forefront, continuing to manufacture and supply high quality, tried, tested and trusted grow tents to both the professional and hobbyist grower.

As concept developers, BudBox have, throughout the last 10 years, continued to upgrade, improve and re-style the BudBox™ Grow Tents in line with the feedback they receive from customers and in line with our own philosophy to constantly strive for perfection.

The BudBox™ Pro grow tent has a strong tempered 16mm diameter pole in our 75 and 100 range, and a 25mm diameter tempered high tensile steel pole for all units ranging from XL (1.2) up to the massive Titans, ensuring you have all the strength that you need in the big tents to hang heavy filters and lighting rigs.

The complete range of BudBox™ Pro Grow Tent's are equipped with steel, push and click fit connectors, which, in addition to the thicker tempered steel poles, provide greater load bearing strength for all your filters, fans and lighting requirements.

BudBox™ is still the ONLY grow tent that takes the time and care to powder coat our poles and connectors, delivering the best possible anti-corrosion protection and a very clean and reflective look.

The philosophy of BudBox™ is and will remain the cornerstone of our success and is not open to negotiation or compromise, BudBox use the best there is! All the component parts used in the construction of BudBox™ Grow Tents are sourced, tried and tested and are guaranteed safe for plants and people to use.

Code	Product	Length	Width	Height	Colour
05600	BudBox-Pro Small	75	75	100	White
05602	BudBox-Pro Intermediate	75	75	160	White
05603	BudBox-Pro Medium	75	75	200	White
05606	BudBox-Pro L180	100	100	180	White
05608	BudBox-Pro L200	100	100	200	White
05610	BudBox-Pro XL Roof	120	120	180	White

Code	Product	Length	Width	Height	Colour
05612	BudBox-Pro XL	120	120	200	White
05618	BudBox-Pro XXL Roof	120	240	180	White
05620	BudBox-Pro XXL	120	240	200	White
05614	BudBox-Pro XL Plus	150	150	200	White
05622	BudBox-Pro XXL Plus	150	300	200	White
36002	BudBox-Pro XXL Plus HL	150	300	220	White
05616	BudBox-Pro GT-1	180	110	240	White

Code	Product	Length	Width	Height	Colour
05624	BudBox-Pro GT-2	180	220	240	White
05626	BudBox-Pro TITAN 1	200	200	200	White
05628	BudBox-Pro TITAN Plus	240	240	200	White
05880	BudBox-Pro Titan 2	240	360	200	White
06154	BudBox-Pro Titan 2 HL	240	360	220	White
05587	BudBox-Pro TITAN 3	300	300	200	White
05630	BudBox-Pro TITAN 6	600	300	220	White

75Series

- 3 sizes available;
75x75x100cm 75x75x160cm
75x75x200cm
- 16mm strong steel frame
- All metal push, click corner connectors
- Pro white or silver interior CFL & LED lighting recommended
- Includes roof support bars & straps
- Ideal for nursery

100Series

- 3 sizes available;
100x100x180cm 100x100x200cm
200x200x200cm
- The perfect hobby/starter grow room
- 16mm strong steel frame
- Metal push, click corner connectors
- Pro white or silver interior
- Suitable for 250 watt HPS, CFL & LED lighting
- Includes roof support bars & straps

120Series

- Pro/hobby grow room
- 4 sizes available;
120x120x200cm 120x240x200cm
240x240x200cm 240x360x200cm
- Upgraded 25mm frame
- Designed with HPS lighting in mind
- Tents are made up in 1.2m square sections
- Over-sized vents for acoustic ducting
- No intrusive floor poles gives clear floor space growing area

150Series

- Pro size grow tents
- 4 sizes available;
150x150x200cm 150x300x200cm
300x300x200cm 600x300x220cm
- Designed for HPS & LED lighting
- Upgraded 25mm frame
- Tents are made up in 1.5m square sections
- Over-sized vents for acoustic ducting
- No intrusive floor poles gives clear floor space growing area



Code	Product	Length	Width	Height	Colour
05599	BudBox-Pro Small	75	75	100	Silver
05601	BudBox-Pro Intermediate	75	75	160	Silver
05603	BudBox-Pro Medium	75	75	200	Silver
05605	BudBox-Pro L180	100	100	180	Silver
05607	BudBox-Pro L200	100	100	200	Silver
05609	BudBox-Pro XL Roof	120	120	180	Silver
05611	BudBox-Pro XL	120	120	200	Silver
05744	BudBox-Pro XL HL	120	120	220	Silver
05617	BudBox-Pro XXL-Roof	120	240	180	Silver
05619	BudBox-Pro XXL	120	240	200	Silver

Dimensions in cm

Code	Product	Length	Width	Height	Colour
05745	BudBox-Pro XL-HL Tall	120	240	220	Silver
05845	BudBox-Pro XL-Roof	150	150	180	Silver
05613	BudBox-Pro XL Plus	150	150	200	Silver
05621	BudBox-Pro XXL Plus	150	300	200	Silver
05615	BudBox-Pro GT-1	180	110	240	Silver
05623	BudBox-Pro GT-2	180	220	240	Silver
05625	BudBox-Pro Titan 1	200	200	200	Silver
05746	BudBox-Pro Titan 1 Tall	200	200	200	Silver

Code	Product	Length	Width	Height	Colour
05627	BudBox-Pro Titan Plus	240	240	200	Silver
05747	BudBox-Pro Titan Plus Tall	240	240	220	Silver
05844	BudBox-Pro Special	300	200	200	Silver
05385	BudBox-Pro Titan 3	300	300	200	Silver
06133	BudBox-Pro Titan 3 HL	300	300	220	Silver
05879	BudBox-Pro Titan 2	360	240	200	Silver
05397	BudBox-Pro Titan 2	360	240	220	Silver
05629	BudBox-Pro Titan 6	600	300	220	Silver



LITETM



new
product

Bud Box Lite

the best budget tent available!

BudBox Lite - A High Quality, Hard Wearing Grow Tent at an Affordable Price, That Blows Other Budget Tents Out of the Water!

BudBox grow tents entered the market back in 2004 and have a proud reputation for making excellent quality, hard wearing grow tents, setting the standard for all other tents to be judged against. The BudBox Lite grow tent continues this tradition of excellent design and function but at a lower price point for all to enjoy.

Although the BudBox Lite tent range is comparatively lower in price than the BudBox Pro Tent range it still features tough, durable, well stitched tent fabric, interlocking heavy duty poles for sturdy support and solid tent connectors, plus ventilation ports to allow ducting to be fitted, to create a perfect portable indoor growing environment.



Code	Product	Plastic/Metal	Width	Height	Height	Colour
36241	BudBox Lite	Plastic	40	120	120	Silver
36242	BudBox Lite	Plastic	60	90	90	Silver
06129	BudBox Lite	Plastic	60	140	140	Silver
06130	BudBox Lite	Plastic	80	160	160	Silver
40038	BudBox Lite	Plastic	80	200	200	Silver
40039	BudBox Lite	Plastic	100	180	180	Silver
06131	BudBox Lite	Plastic	100	100	200	Silver

Dimensions in cm

Code	Product	Plastic/Metal	Width	Height	Height	Colour
36243	BudBox Lite	Plastic	120	120	180	Silver
06132	BudBox Lite	Plastic	120	120	200	Silver
05974	BudBox Lite	Plastic	120	240	200	Silver
36244	BudBox Lite	Plastic	150	150	200	Silver
40040	BudBox Lite	Plastic	150	300	200	Silver
05975	BudBox Lite	Plastic	200	200	200	Silver
40041	BudBox Lite	Plastic	240	240	200	Silver

Code	Product	Plastic/Metal	Width	Height	Height	Colour
05976	BudBox Lite	Metal	240	240	200	Silver
40042	BudBox Lite	Plastic	200	300	200	Silver
05977	BudBox Lite	Metal	200	300	200	Silver
40043	BudBox Lite	Plastic	300	300	200	Silver
05978	BudBox Lite	Metal	300	300	200	Silver
40044	BudBox Lite	Plastic	600	300	200	Silver
05979	BudBox Lite	Metal	600	300	200	Silver



new
product

Mammoth Elite

the ultimate in quality for the professional customer

Mammoth Elite tents offer the larger Gardener a range of tents to suit their needs.

The extra height means they can be used with the more powerful 1000w lamps and offer poles that are designed to take the weight of larger hanging equipment.

The tents come with loads of well positioned ventilation holes and as well as being light tight have a washable mylar reflective liner and a waterproof ground sheet

- Heavy duty frame, corners and fabric, with stainless steel / aluminium click system
- Dual multiple intake and extraction socks
- Equipment tubes that have a 75kg load capacity
- Wide easy access door, with jam-proof / waterproof zipper. Waterproof floor
- Large doors - easy to access and work in
- Material is washable inside and out

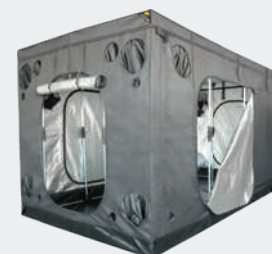
Code	Product	Length	Width	Height	Colour
06142	Mammoth EliteHC 360L	360	240	240	Silver
06141	Mammoth EliteHC 480L	480	260	240	Silver
06140	Mammoth EliteHC 600L	600	300	240	Silver
06139	Mammoth EliteHC 900L	900	450	240	Silver
06138	Mammoth EliteHC 1200L	1200	600	240	Silver

Dimensions in cm

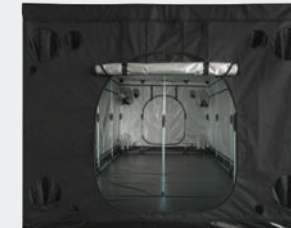
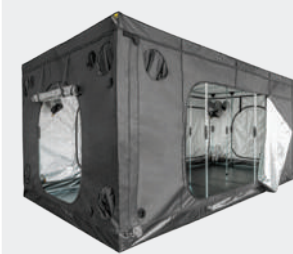
EliteHC 360



EliteHC 480



EliteHC 600







7897

Gs

grow systems



Multiflow Digital Controller

Multiflow System V3R

minimum effort, maximum yield

The V3R Multiflow level controller takes the best parts of a V1 (easy to set up with an analogue timer) and seamlessly combines them with the enhanced facilities of the V2R Digital controller with multi-adjustable flood times, ability to miss days out, big bore pipe work for faster flood and drain times and remote timer for ease of operation. This means that the V3R is a hybrid analogue/digital system that is super easy to use but is the most advanced flood and drain controller around. Class Leading Technology from Highlight Horticulture!

V3R Integration with other systems

The V3R can be used as a **Deep Water Culture Controller** to ensure all pots in a DWC or Bubble pot system are kept topped up correctly at all

Stands available on request but not required, unless on very sloping, uneven floors.

times, and can also drain the nutrient solution back to a tank, where adjustments can be made, and re-flood them to ensure that all pots have a similar pH/Cf content.

The V3R can be used as a **High pressure drip irrigation controller**. Want to run a Multiflow as a Drip Irrigation system? Our uprated relays can control large high pressure pumps (up to 1000w). Try that on any other system!

The V3R can be used as an **Aqua Farm/Water Farm controller** to ensure all Aqua/Water farms are kept topped up at all times, and can also drain the nutrient solution back to a tank, where adjustments can be made, and re-flood them to ensure that all pots have a similar pH/Cf content.

Multiflow System Accessories

We offer a full comprehensive range of replacement parts and accessories for the Multiflow V3R.

Basic set up: Super quick, super easy

Set the time of day on the Grasslin analogue timer, push a peg out to indicate when you want a flood cycle to occur, press the up or down buttons to say how long you want the flood cycle to last.

Advanced set up: Dynamic Learning Mode

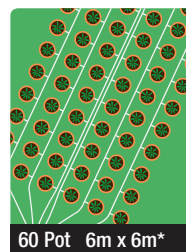
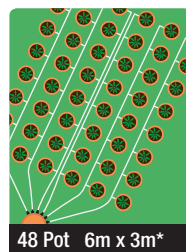
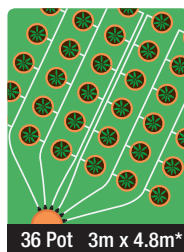
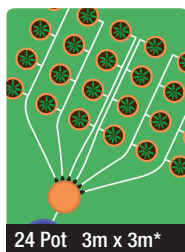
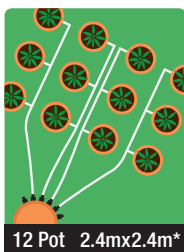
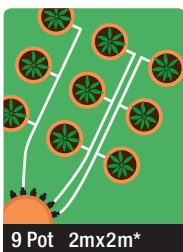
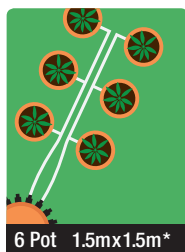
Not sure how long to set your flood times for to ensure your system is filled completely? Too short and some plants aren't being properly fed.... too long and plants are sitting in deep water unnecessarily.... both not providing optimal root environments.

Then let the V3R take charge! Simply select Dynamic Learning Mode (by simultaneously pressing a couple of buttons) and the V3 Multiflow will learn how long it takes to be completely filled, automatically set the length of time it takes and store it in its memory! All it takes then is for you set how many floods per day, by pushing out a peg (or more) on the Grasslin timer and you have Multiflow perfection!

Advanced set up Plus: Class Leading Flexibility

The V3R has the ability to skip days whilst remembering what time of day you want to fill the system, and for how long.

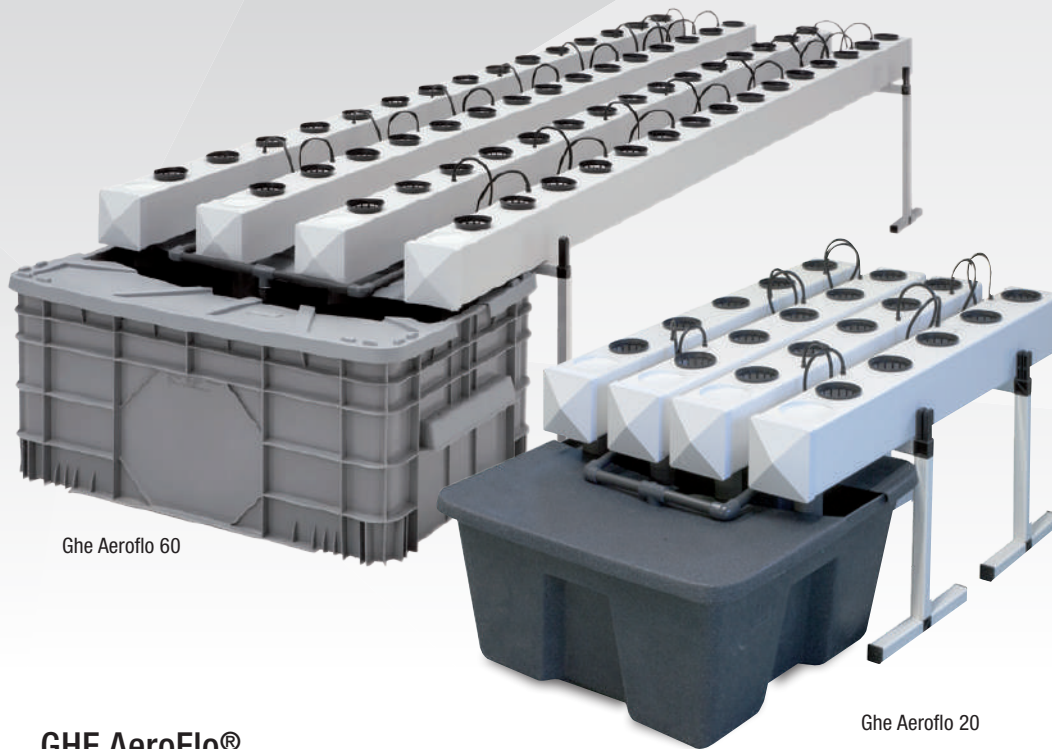
So if you like to use a Coco or Soil based Growing Medium but find it too wet to be flooded on a daily basis (or certainly when plants are small), select Day Mode (by pressing a couple of buttons) and tell the unit to feed every one, two, three (or more) days to ensure your favourite mixture is correctly irrigated, then switch back to filling the pots each day when your plants are ready for it.



Multiflow V3R - Call for system variations

*approx area needed





Ghe AeroFlo 60

Ghe AeroFlo 20

GHE AeroFlo®

efficient, flexible hydroponic system

Used by NASA, scientific expeditions, and commercial growers around the world, the AeroFlo® is the substrate free commercial system.

Ranging from 10 to 120 plants per unit, and with unlimited number of units available, AeroFlo® systems are truly the most flexible way to produce plants hydroponically. Working on the principle of distributing oxygenated water optimally along the length of the unit, the AeroFlo® concept offers the advantages of what has become known as “Aeroponics”, without the downsides of water heating, and extreme susceptibility to pH fluctuations.

AeroFlo® systems run from one simple water pump in the reservoir which lifts water to the growth tube, where it is injected at carefully calculated intervals. The nutrient solution then falls back down the downpipe, perfectly oxygenating the nutrient reservoir as it does so: no complex controllers, or multiple air pumps - AeroFlo® Systems are incredibly easy to set up and run so you can focus on plant management, not system maintenance.

These advantages, including the incredible performance of plants in the system, are why the AeroFlo® is our best-selling commercial system worldwide, and the system of choice of our commercial partners, Les Sources, Les Aeromates, Hydroleb, and more .



GHE Ebb&Grow®

the easiest way to discover hydroponic growing

Perfect for balconies, small gardens and indoor use, the Ebb&Grow® lets you grow plants in pots, with no pipes or wires, but with the added advantages of hydroponics

Want to grow hydroponic herbs and vegetables at home, work or School, but put off by the complexity of the systems? The Ebb&Grow® means you can use any pot you like, almost any substrate (although we recommend Cocotek PX or CP), and move plants around at will. Herbs in the front and tomatoes and chillies in the back? No Problem. All salads this month and cut flowers from pots next? No problem. All our hydroponics systems are flexible, but the Ebb&Grow® really is the most adaptable system we have ever made, and with no risk of leakage or overflow, easy disassembly and cleaning, it can be used anywhere that space is available.

The GHE Ebb&Grow® is an “ebb and flood” design: a simple timer (not included) runs a pump intermittently to bring nutrient solution up to the growing table, where it flushes spent air from the roots of your plants, waters and feeds them, then pulls fresh air in as the water drains back down to the reservoir.

The system can hold up to thirty-two 15cm plastic pots, twenty-two 1 gallon (3.7lt) fabric pots, or as many larger pots as you can fit on its 88cm square growing surface, and with a height of just 38cm low ceilings are not a problem.

Made from the same ultra-durable, UV blocking, 100% recycled plastic, as with all GHE manufactured systems, the moulded plastic parts of the Ebb&Grow® are guaranteed for life* - unique in the hydroponics industry.





GHE The AquaFarm® & WaterFarm®

easy to use hydroponics for everyone

The ORIGINAL home hydroponics unit. Often copied, never equalled.

Invented more than 30 years ago in California by GH USA founder Lawrence Brooke, and still GHE's best-selling home hydroponic system today, the AquaFarm®, and smaller format WaterFarm, have grown hundreds of thousands of healthy, happy and often huge plants around the world.

The AquaFarm® owes its longevity and success to the mix of performance and ease of use that the system offers. Quick to set up in any space from greenhouses to kitchens and balconies, AquaFarms® and WaterFarms® can be used to grow decorative and culinary plants of all sizes, from basil and other herbs to small trees.

Both systems work by using air to draw nutrient solution up from the reservoir, and dripping it back down through the clay pebble substrate and roots. This simple, reliable design is incredibly effective at delivering perfectly oxygenated nutrient solution to plants - exactly what's needed for optimal growth and flowering, and two-part construction offers easy reservoir and root access, which can be difficult or impossible in many systems.

Now in version 3, boasting a range of improvements to component design, the AquaFarm® and WaterFarm® are:

- Roto-moulded in France from super tough and durable recycled plastic
- Versatile, adaptable and expandable
- UV and light shielded for root protection
- Very low electricity consumption: less than 2w

GHE AquaFarm pump not included 03125 pump included 02799 GHE WaterFarm pump not included 36015 pump included 02800



GHE ACS Water Pack®

active circulation system for waterfarms

The ACS system allows you to install a proper hydroponic system in small spaces, and to tailor size to your needs. The entire system runs off one air pump, and our innovative T-connector design means that nutrient solution is fully circulated in just thirty minutes!

Made out of the same high-quality plastic as our market leading AquaFarms, and with the same easy access 45lt reservoir the ACS WaterPack® has a flip top reservoir lid for easy filling and emptying, and direct access to the nutrient solution.

- Roto-moulded in France from super tough and durable recycled plastic
- UV and light shielded for root protection
- Versatile, adaptable and reliable

The ACS Waterpack® comes with 4 WaterFarm® units as standard, and works best with one plant per pot.

Expansion parts are available to add more WaterFarms if you wish, and you can also use the ACS controller with other brands of pot.

GHE ACS Water Pack 02838



GHE ACS Controller®

air driven nutrient circulation

The ACS controller works with almost any re-circulating modular hydroponic system delivering full nutrient solution re-circulation in under 30 minutes, without complex electronics and pumping systems. The key to the system's efficiency is our revolutionary T-Piece design which forces solution to recirculate through each module, as opposed to mostly flowing past with limited exchange as happens with a normal t-connector.

The circulation is provided in the most elegant way by a small air pump that circulates the solution between each pot. This, plus the simplicity and reliability of the controller design make the GHE ACS controller the best choice for always on, recirculating modular hydroponic control."

* Lifetime Guarantee is for reasonable use only and applies to moulded plastic systems made in France by GHE, and excluding ancillary components, motors etc



GHE Aero Farm®

easy to use aeroponics, for everyone

Based on the industry leading AquaFarm, the AeroFarm offers easy, substrate free hydroponic growing on small to medium scales.

With the same easy access 45lt reservoir as the AquaFarm®, the AeroFarm® offers many similar benefits, but thanks to the use of sprayers and net pots the AeroFarm® needs no substrate beyond a few recycled clay pebbles.

AeroFarms® can grow from 1 to 5 plants, and are available in 2" and 3" pot sizes, they are all:

- Roto-moulded in France from super tough and durable recycled plastic
- UV and light shielded for root protection
- Versatile, adaptable and reliable



GHE EcoGrower®

effective and efficient drip feed modules

An easy way to grow small to medium plants from cuttings to maturity in one unit.

- Go from cuttings to adult plants in the same unit, without heavy substrates
- Large reservoir capacity helps stabilise pH
- Aquafarm® style level tube allows easy direct access to nutrient solution for testing.
- Available with six 6" grow sites

Based on the same solid base unit as the Rainforest2®, the Ecogrower® uses a simple air pump to send water and oxygen through the dripper system, where it is delivered to your plants before dripping back down through re-usable clay pebble substrate to the reservoir before re-circulating.



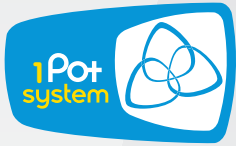
Why grow with AutoPot Watering Systems?

AutoPot supplies simple to use, automatic watering systems that can be used either as a hydroponic system or as a traditional soil irrigation system. Indoor growing and greenhouse crops can be produced with ease.

The AQUAvalve is supplied with every AutoPot Watering System. Once connected to the water supply, the AQUAvalve will control the flow of water to the plants by simple gravity pressure from a reservoir or tank of any size.



no more daily watering - can be left unattended for weeks - easily extended in minutes
no power / timers / mains water required - simply gravity fed from a tank / water barrel
saves water, no water is ever wasted - environmentally friendly



Autopot 1Pot Systems

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.

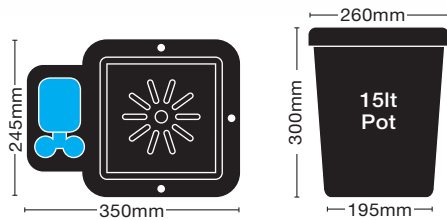
Whatever medium you choose the 1Pot system enables gardeners and growers of all abilities to achieve incredible yields from their plants.

The 1Pot System is easily extended and many 15lt pots can be linked to a single reservoir.

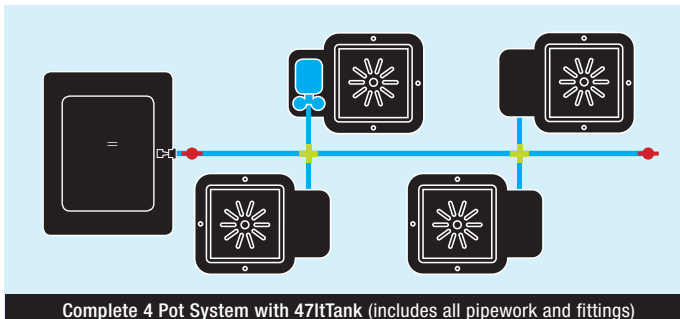
The pots and trays are modular and can be easily spaced apart as plants grow. Once assembled, the reservoir is filled with water and liquid fertiliser (if required), the system will completely take care of all your plant's feeding requirements, providing them with fresh, balanced feed throughout their 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.

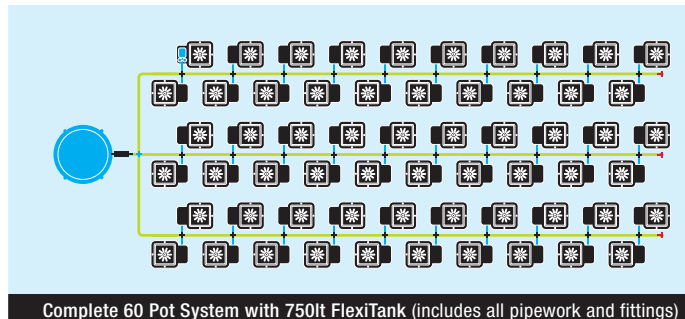
1Pot Systems are available in a range of size layouts. It does not stop at 100 pots, the 1Pot System™ will just keep extending.



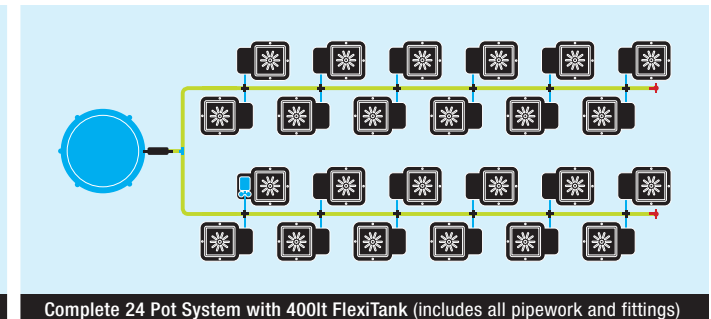
Complete 1Pot System with 47lt tank (includes all pipework and fittings)



Complete 4 Pot System with 47lt Tank (includes all pipework and fittings)



Complete 60 Pot System with 750lt FlexiTank (includes all pipework and fittings)



Complete 24 Pot System with 400lt FlexiTank (includes all pipework and fittings)



Autopot easy2grow

The easy2grow system is AutoPot's best-selling watering system worldwide.

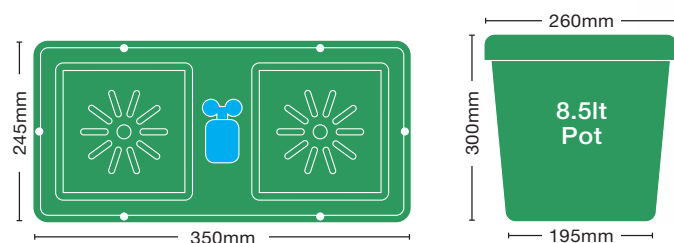
Whether using the easy2grow starter kit in a garden or multiple easy2grow extension kits on a vast commercial scale, this system provides fresh, balanced feed to your plants throughout their entire life cycle.

The 8.5L 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.

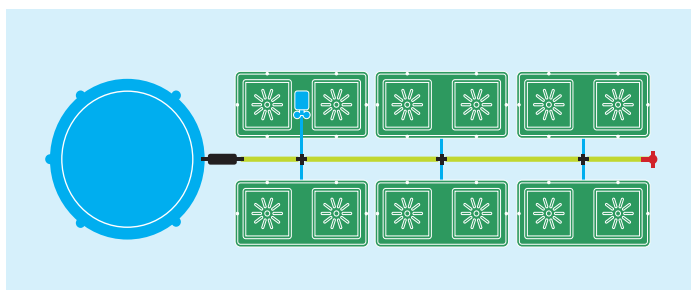
The easy2grow system can be used with a wide range of growing substrates, either traditionally with soil or hydroponically.

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.

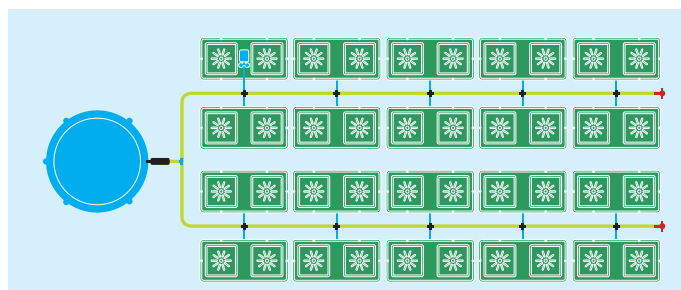
Maintenance free growing.



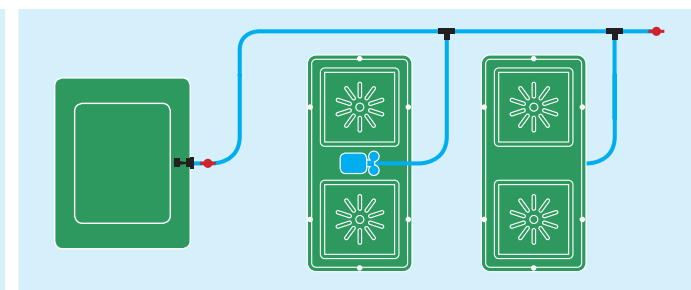
Complete easy2grow System with 47lt tank (includes all pipework and fittings)



Complete easy2grow 12 System with 100lt FlexiTank (includes all pipework and fittings)



Complete easy2grow 40 System with 400lt FlexiTank (includes all pipework and fittings)



Complete easy2grow 4 System with 47lt tank (includes all pipework and fittings)



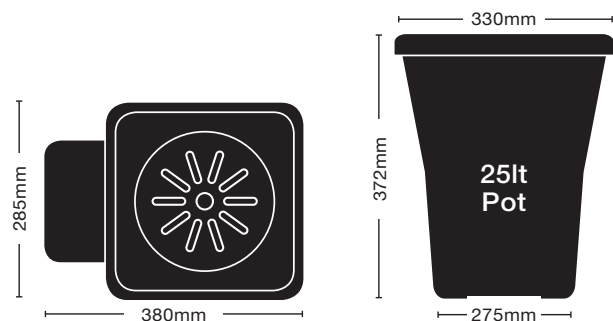
Autopot 1Pot XL

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

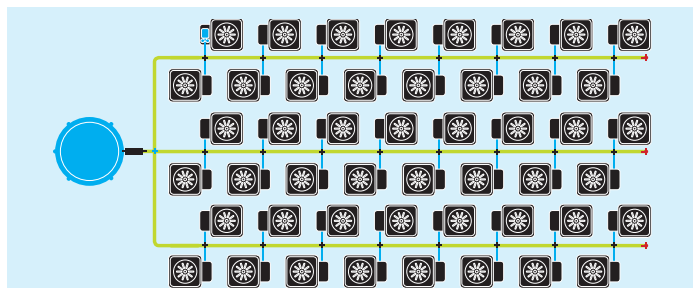
This original design has a clam shaped tray that accommodates the large volume 25lt XL pot. The round based pot enables the grower to easily rotate a big plant while the pot is still in the tray.

Ideal for large specimen plants, such as blueberry bushes or Japanese maples, the 1Pot XL can be used as a single unit system or linked to larger reservoirs to create huge systems of any size or configuration.

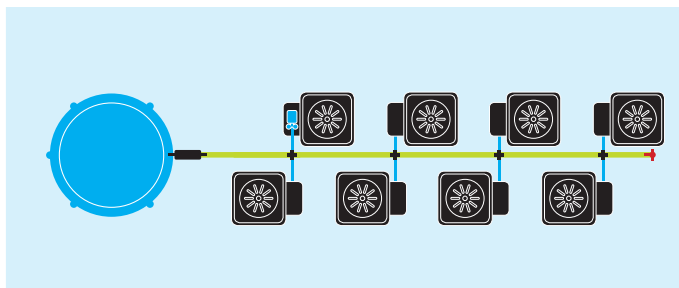
The 1Pot XL is supplied with all necessary connections and the AQUAvalve that controls the water supply to each and every plant in the system, delivering fresh, balanced feed throughout their entire life cycle.



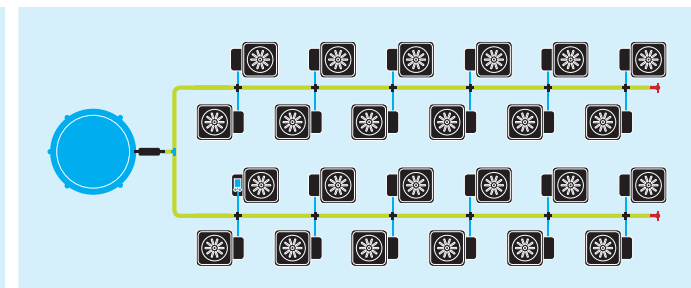
Complete 1Pot System with 47lt tank (includes all pipework and fittings)



Complete 48Pot XL System with 400lt FlexiTank (includes all pipework and fittings)



Complete 8Pot XL System with 100lt FlexiTank (includes all pipework and fittings)



Complete 24Pot XL System with 400lt FlexiTank (includes all pipework and fittings)



Autopot 1Pot XL Smart Pot

AutoPot XL SmartPot Systems take the immense capacity and versatility of the XL System and incorporate the original, market-leading SmartPot. All our XL Systems are now available with 18.9lt fabric SmartPots at no extra cost. Amongst the range of fabric pots on the market SmartPots are exceptional for their use of BPA-free, lead-free material with no off-gassing or leaching guaranteed.

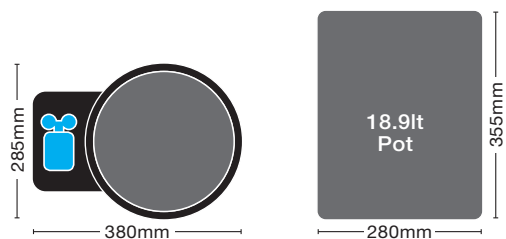
The construction of SmartPots is such that they provide a uniquely rigid base for a fabric pot which keeps your plants upright. For retailers and customers alike SmartPot Systems also offer huge savings in shipping, stocking and storage space.

The benefits of growing in SmartPots are, put simply: Bigger, Faster, Smarter plants.

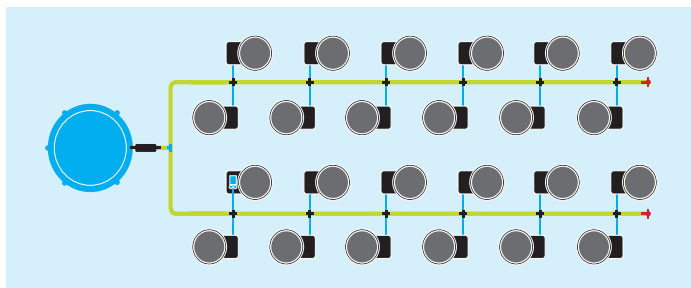
Bigger – SmartPot's porous fabric sides allow for air pruning which effectively eliminates root circling – giving you bigger plants from smaller pots.

Faster – Increased oxygen exchange in the substrate via the porous fabric walls supercharges growth.

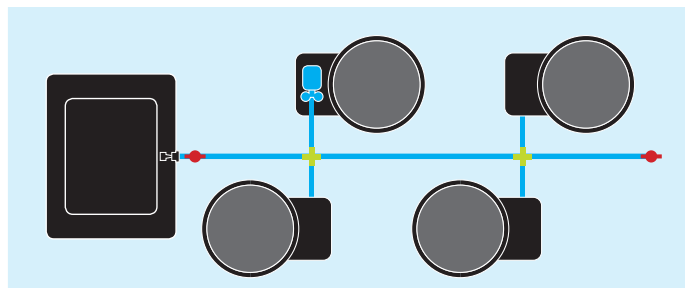
Smarter – Air pruning cultivates a vastly increased number of secondary feeder roots which in turn increase nutrient and water uptake.



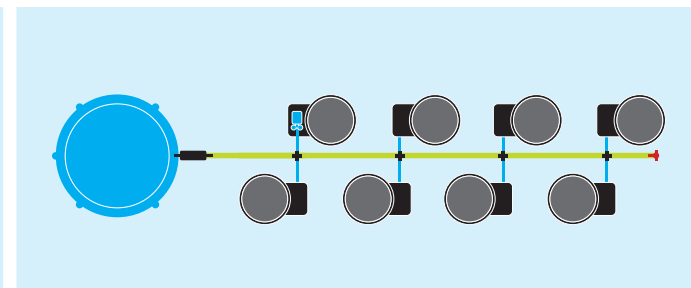
Complete easy2grow System with 47 litre tank (includes all pipework and fittings)



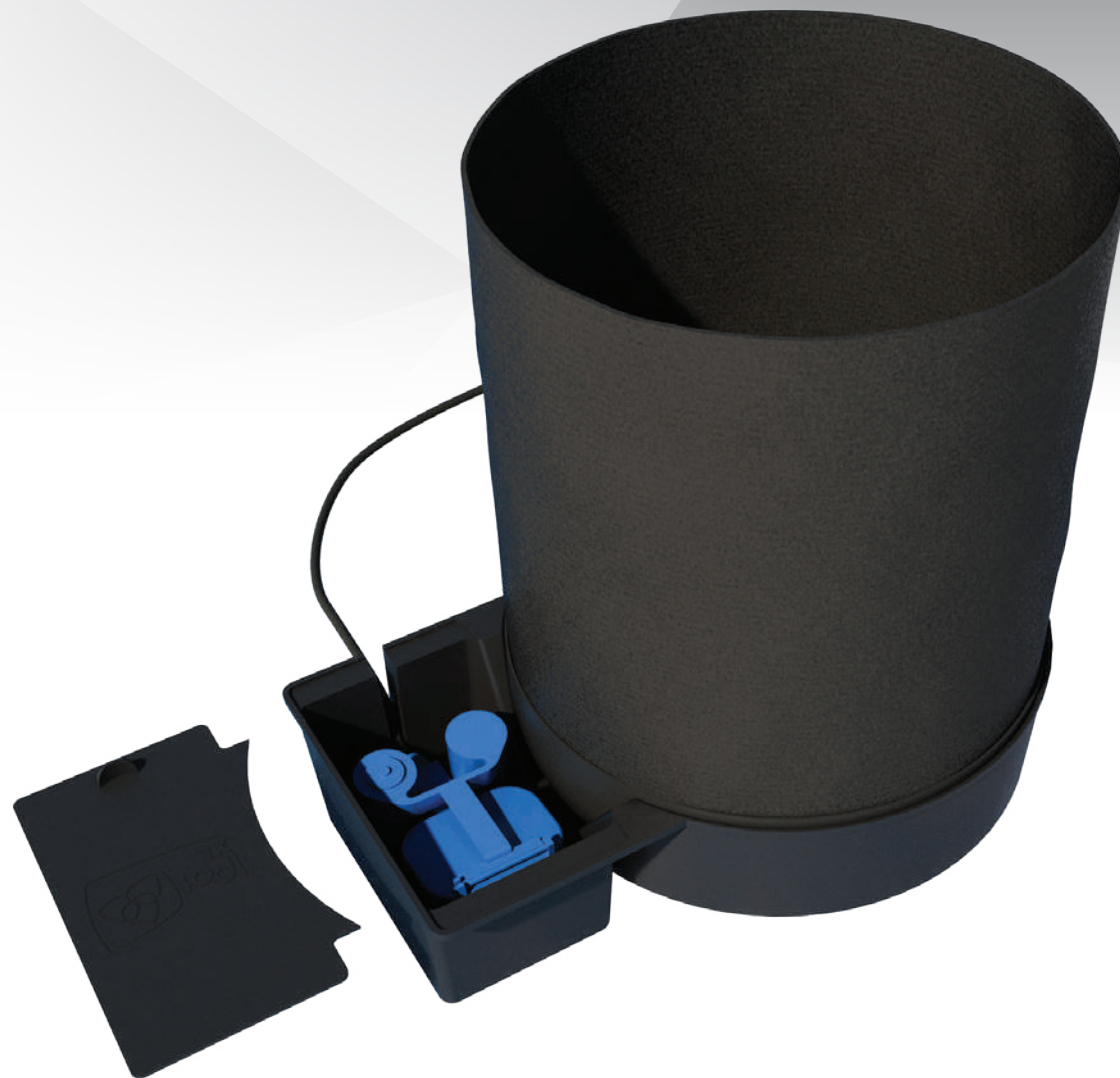
Complete 24Pot XL System with 400lt FlexiTank (includes all pipework and fittings)



Complete SmartPot 4 System with 47lt tank (includes all pipework and fittings)



Complete SmartPot 8 System with 100lt FlexiTank (includes all pipework and fittings)



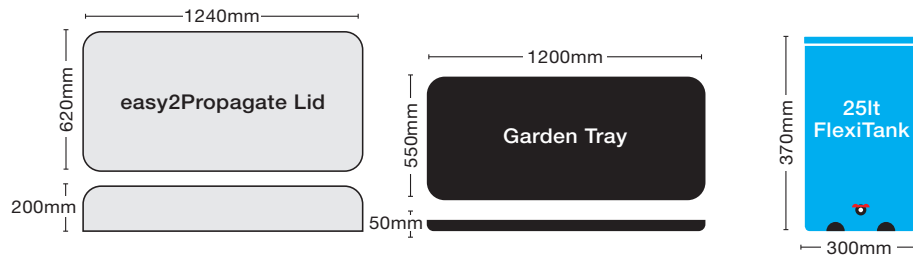


Autopot easy2Propagate

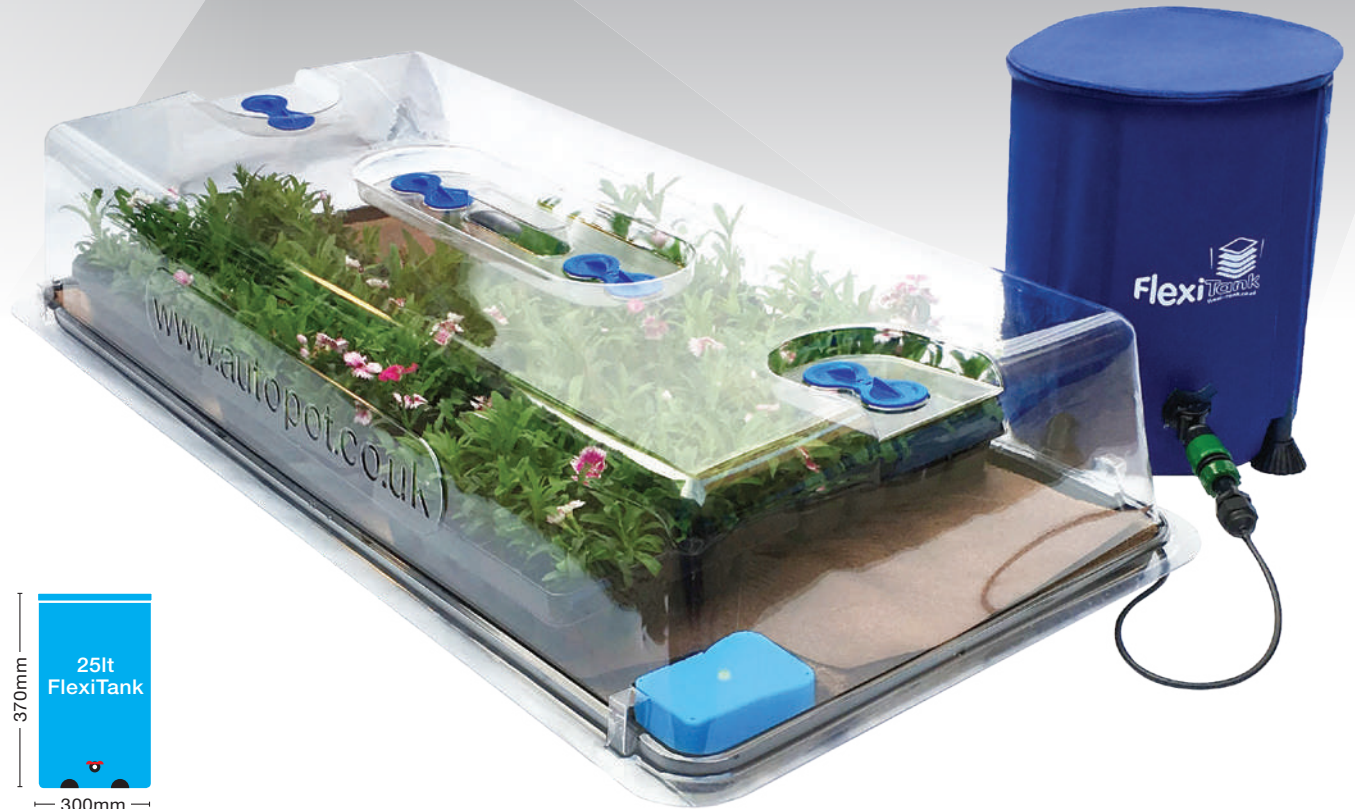
easy2Propagate's size and features deliver entirely new levels of growing potential and plant control.

A cavernous 200mm 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 6mm 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.

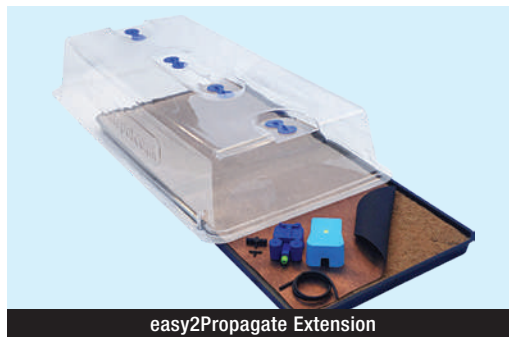


Complete 1Pot System with 47 litre tank (includes all pipework and fittings)



easy2Propagate

1x Clear easy2Propagate Lid with 4 x Fitted Vents,
1x Garden Tray, 2x Coco Matting 580mm x 510mm x 30mm,
1x Root Control Sheet 1160mm x 510mm



easy2Propagate Extension

1x Clear easy2Propagate Lid with 4 x Fitted Vents,
1x AQUAvalve, 1x AQUAvalve Cover, 1x 16mm-6mm Tee Connector,
1x 6mm Tee Connector, 1m of 6mm pipe, 1x Garden Tray,
2x Coco Matting 580mm x 510mm x 30mm,
1x Root Control Sheet 1160mm x 510mm



easy2Propagate Complete

1x Clear easy2Propagate Lid with 4 x Fitted Vents,
1x 25Ltr FlexiTank, 1x 16mm-6mm Click-Fit Tank Adaptor & Filter,
1x AQUAvalve, 1x AQUAvalve Cover, 1.5m of 6mm pipe,
1x Garden Tray, 2x Coco Matting 580mm x 510mm x 30mm,
1x Root Control Sheet 1160mm x 510mm



easy2Propagate Lid

1x Clear easy2Propagate Lid with 4 x Fitted Vents,

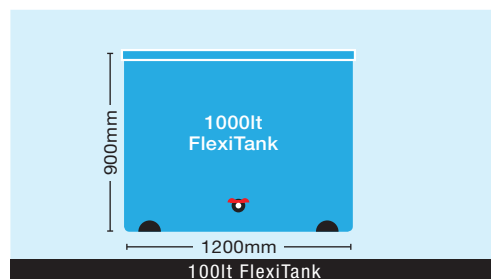
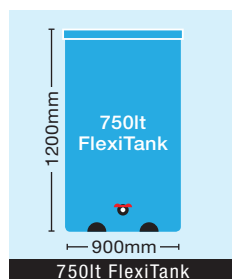
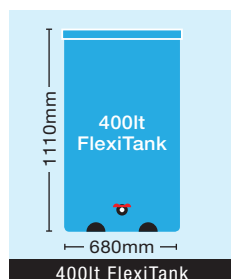
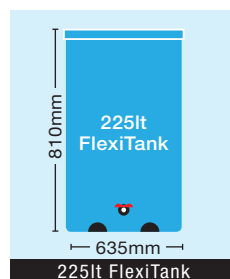
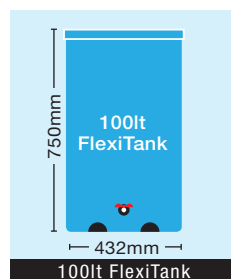
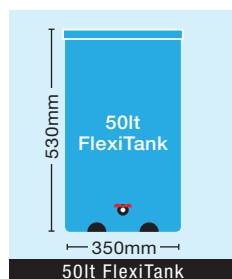
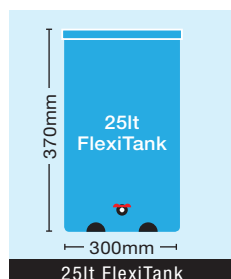


Autopot FlexiTank

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.



FlexiTank 25L 05920 50L 05930 100L 03003 225L 03004 400L 03005 750L 03006 1000L 05067

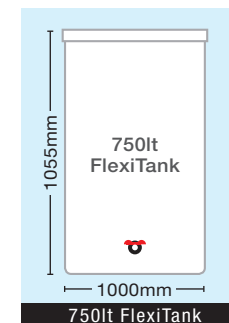
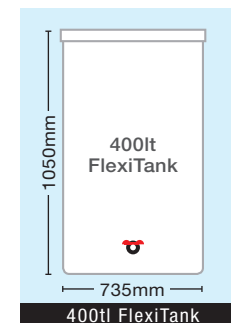
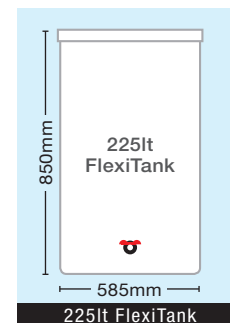
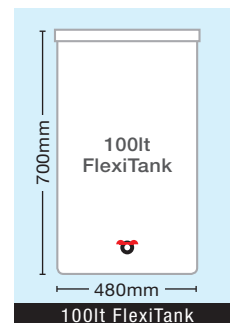
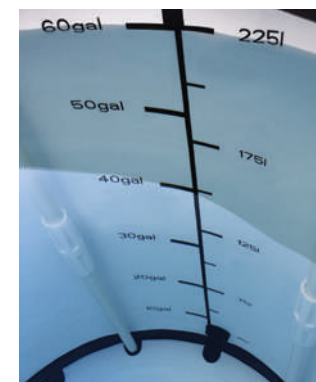


Autopot FlexiTank Pro

The Revolution Refined: the 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 FlexiTank Pro's skin beautifully disguises an extremely rugged, fully collapsible design within. Concealed tank supports and internal capacity markings add neat edges to the proven, ultra-strong, ultra practical FlexiTank design.



FlexiTank Pro 100L 05713 225L 05714 400L 05715 750L C.F.D

GREEN·MAN SYSTEM

Gs
92/93



6 Pot System



8 Pot System



12 Pot System



Please call for Green Man accessories

The Green Man System

the system that's breaking all records.

The Green Man System is a unique and versatile hydro growing system. Link them up or just use one, either way you'll find this system a delight to work with and likely to get the best yields you've ever seen. And what's more the Green Man system looks great too, you'll be proud to have it in your grow room.

The Green Man System can be used as a DWC system, a flood and drain system, a self watering coco system and a run to waste system or you can even run it as a bubbler system.

The system has a sloping bottom that ensures every drop of water can be drained effectively. The heel design and base air ventilation channels at the bottom of the pot means that it never touches the cold floor. To keep your reservoir tank cooler, the white basket reflects light and heat, has multiple draining holes to prevent

blockages and gives you unrivalled growth. Through the air pipes and drainage holes, the water can be recirculated through the system, or be drained out to keep your water and nutrients fresh. The pot is made of durable green plastic which is sturdy and gives the design a unique and recognisable flair.

The Green Man growing system contains a massive 40lt capacity reservoir tank, with a simple watering ring that keeps an even air-water ratio delivered to your plant's roots. The system holds a 4" internal pocket to keep your air stone tightly in place, and an inspection flap built in to the

top of the white basket enables you to effectively check the condition of your roots whilst allowing the release of warm gasses from your reservoir tank. An air pump is not included in the basic kit,

Please choose an air pump from our wide range of air pumps & air stones. The Green Man System with Hailea air pump and air stone comes with everything you need but neither system contains coco or clay pebbles, please also see our wide range growing media.



Garden HIGHPRO ProPot

made from recycled plastic bottles

Fabric Rhizopots are great pots designed and created to boost a healthy, efficient and productive root zone.

These Fabric pots by Garden HIGHPRO are square based to optimise growing space and offer a breathable root zone for plants. The unique fabric design gives roots optimal growing space as they are not restricted by a traditional plastic pot, this stops roots circling and breaking.

In addition, Fabric pots offer superior drainage and aeration whilst maximising nutrient and water uptake.

Garden HIGHPRO ProPot (10 pack) 4L 03116 7L 03117 11L 03118 15L 04858 20L 04859 30L 04860 50L 04861



Gronest Fabric Pot

two layered fabric pots

Fabric pots are designed for indoor and outdoor use, commercial nurseries, organic growers and home gardeners.

Gronest company has engineered a technically advanced fabric growing container using its proprietary "Aqua Breathe" layer. With this highly engineered geotextile, we have achieved the optimum in strength durability, aeration and moisture retention in a single product.

Gronest Fabric Pot 1L 05444 2L 05445 4L 05447 8L 05448 11L 05449 15L 05450 19L 05451 25L 05452 39L 05453 55L 05454 75L 05455 95L 05870 115L 05871 150L 05872



Gronest Gro Bag

single layer transplant pots

Gronest has engineered a technically advanced growing container using its proprietary "Aqua Breathe". With Gronest's highly engineered geotextile, we have achieved the optimum in strength durability, aeration and moisture retention in a single product.

Gronest fabric pot is double stitched for added durability, highest quality Non-woven fabric that functions way better than generic fabric pots. Gronest are washable and biodegradable and they are reasonably priced but the quality is never compromised.

Gronest Gro Bag 1L 05456 3L 05457 5L 05458 7.5L 05459



Garland Tray

Solid plastic trays

A good selection of trays in various sizes. All dimensions are in centimetres.

Garland Jumbo Tray
117 x 40 x 5 04947

Garland Titan Tray
100 x 55 x 15 05910

Garland Giant Garden Tray
110 x 55 x 5 01164

Garland Metre Square Tray
100 x 100 x 12 01985

Garland 60cm Tray
60 x 60 x 5 02519

Garland 1.2m Square Tray
120 x 120 x 5 02657

Garland Chieftain Tray
64.5 x 49.5 x 12 02658

Garland Trays - See above



Round Pots

1L 05588 2L 05523 2L (Deep) 02980 5L 05524 7.5L 05525 12L 04894 15L 05527 20L 05528 23L 05529 With Handles 30L 05575 35L 02393 50L 04514 55L 05577 60L 05578 65L 05579 70L 04915 75L 05580



Square Pots

3L 00345 4.5L 05114 5L 06152 6.5L 01659 7L 05707 11L 05589 18L 02233 18L(30x30x30cm) 02233 25L 06112



Square to Round Pots

1L 05520 2L 05521 3L 05590 4.5L 05522



Saucers

1L Square 05111 18L Square 05959 30cm 00747 32cm 02386 40cm 03146 52cm 03036



Autopot FlexiTank

For more info see page 82



350L Magnum Water Butt

350lt Magnum Water Butt [01253](#)



310L Water Butt

310lt Water Butt [02455](#)



95L Garden Lake Water Butt

95lt Garden Lake Water Butt [02385](#)



Autopot FlexiTank

For more info see page 82



Spacesaver 100L Water Butt

Spacesaver 100lt Water Butt [01224](#)



Spacesaver 250L Water Butt

Spacesaver 100lt Water Butt [05248](#)



220L Garden Lake Water Butt

220lt Garden Lake Water Butt [01254](#)



Low Flow Series **HX 1500/2000**
Water Pump

HX 1500 450L/hr **02062** HX 2000 650L/hr **02063**



Multifunction Series **HX 2500/4500**
Water Pump

HX 2500 650L/hr **04063** HX 4500 2000L/hr
02369



HX Series
Water Pump

HX8810 1050lt/hr **04886** HX8825 2400lt/hr **04044**
HX8830 2900lt/hr **05353** HX8890 8000lt/hr **05352**



26 Series **V-30**
Water Pump 30lt/hr

V10 10lt/hr **05717** V20 20lt/hr **05716**
V30 30lt/hr **05048** V60 60lt/hr **02542**



22 Series **Hailea AC02201**
Air Pump

Hailea AC02201 **02433**



22 Series **Hailea AC02204**
Air Pump

Hailea AC02204 **02432**



22 Series **Hailea AC02206**
Air Pump

Hailea AC02206 **02435**



ET Series **30**
Air Pump

ET Series 30 **02355**



ET Series **40**
Air Pump

ET Series 40 **02366**



ET Series **60/80**
Air Pump

ET Series 60 **02367** ET Series 80 **02296**



96 Series **Super Silent Single**
Air Pump

Super Silent Single **02336**



96 Series **Super Silent Double**
Air Pump

Super Silent Double **02337**



96 Series **Super Silent Four/Six**
Air Pump

Super Silent Four **02338** Super Silent Six **02339**



96 Series **Super Silent Eight**
Air Pump

Super Silent Eight **02340**



98 Series **Hailea AC09820**
Air Pump

Hailea AC09820 **02214**



BubbleGen V1

efficient circulation. endless bubble streams

The BubbleGen is a twin jet hydroponic bubble generator with integral silencer which efficiently and quietly oxygenates and circulates a nutrient tank.

BubbleGen uses atmospheric pressure to pull oxygen rich air through the input port and mixes it with the nutrients passing through the body of the unit, ejecting an energetic circulating stream of nutrient and bubbles without the need for a noisy compressor air pump.

Bubblegen 05756



Hailea Water Chiller

low noise series

Onboard electronic display for quick easy operation. Digital temperature control technology ensures accuracy. Uses a Freon-free R134a refrigerating system which is environmentally friendly.

Anti-corrosive pure titanium evaporator for fresh and salt water use. Low noise.

Hailea HC 100A 05719 130A 06052 150A 04444 250A 05282 300A 05283



Hailea Water Heater

thermostatic temperature control

The submersible HAILEA Glass Heater is fully thermostatically controlled and is ideal for the heating of water in aquariums/fish tanks and nutrient in hydroponic tanks.

The submersible automatic aquarium heater has an easily visible thermometer-style temperature indicator. The sensitive and reliable thermostat maintains a uniform temperature. Its heating element is highly efficient and compact.

Hailea CB8300 50w 05159 100w 05160 150w 05161 200w 05162 300 05163



Hailea Manifolds

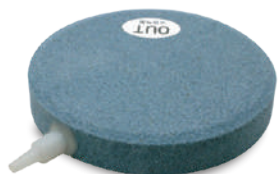
This product helps to distribute air flow to your pond or aquarium more evenly, helping you make the most efficient use of your air pump.

Steel Manifold 6 Way 02436 8 Way 02437 10 Way 02438
Plastic Manifold 8 Way 05516 10 Way 02574 20 Way 02297



Air Stones

Budget air stones to meet specific oxygenation needs.



Round Air Stone

A range of larger air stones for oxygenating large tanks and grow systems.

Air Stone 4" 02404 6" 02362 8" 02368



Ring Diffuser Air Stone

This ring diffuser can be used to make a ring of highly oxygenated air bubbles.

They can be used to aerate aquariums & nutrient tanks when attached to an air pump.

Diffuser Air Stone 3" 02143 4" 02144 5" 02365



Air Curtain

Hailea Air Curtain 12" to 36"

Hailea Flexible Rubber Air Curtains send a torrent of air bubbles cascading from the tank.

Air Curtain 12" 05279 18" 05720 24" 05280 30" 05721 36" 05281



Air Line

200m rolls of 4mm clear airline for distributing air to air stones.

Air Line Black 05113 Clear 02363

Air Stone Golf Ball 02145 Cylinder 05049





98123

L

lighting

HORTI Collection



HORTI KING^{PRO}

digital dimmable ballast

The Horti King Pro Digital Ballast has rapidly become the most popular ballast in the Horti range.

Constructed inside a sturdy aluminium cooling finned housing the ballast runs without a fan and is extremely quiet in its operation.

The ballast has a fast start up and the bulb reaches maximum brightness very quickly

The dimmable function allows the ballast to run different power bulbs from the same ballast for heat and light control of your room and also includes a power boost function for better results in the last few weeks.

The ballast incorporates dynamic detection of load and power

**24 MONTH
WARRANTY**



supply, protection for overload, overvoltage, load short/open, under voltage and lamp EOL.

The ballast will run in relative humidity's of between 10% and 90% and is IP20 dust tight with good protection. The ballast is designed to be wall mounted.

Combined with the Horti King reflector and bulb, the Horti King Pro digital kit is a superior quality light kit at a budget price to suit amateur and professional growers alike.

new
product



Horti King Star Reflector

perfect Horti King pro partner

Made to complement the popular Horti King Ballast, the Horti King Star Reflector is the perfect answer to a lack of room in your growing area.

The ballast screws easily on to the shade using the 4 screws provided.

The shade has a good even spread over a 1.2m² growing area and can be easily hung via built in hooks on the top.

The Unit reduces the price of having a factory prepared combined unit.

Combined with the ballast the unit is flexible enough to be installed in most situations where the plants are suffering with standard 600w lamps and fittings.



Horti Gear 600w Magnetic Ballast

class leading magnetic ballast

These fixed power magnetic ballasts are the leader of the pack when it comes to power and stability.

Without a ballast to regulate voltage, compact fluorescent lights and high-intensity discharge (HID) lights uncontrollably draw so much current from a high-voltage source all at once that they will often overheat and burn out within seconds.

Magnetic ballasts have been around for years and basically use an electromagnetic system to regulate the voltage of the lighting.

They have a 92% energy efficiency and incorporate a 10a fuse for old bulb and surge protection they put out a true 600w to HPS lamps as well as metal halide.

Horti Gear Magnetic Ballast 250w [05208](#) 400w [05104](#) 600w [05103](#) 10000w [05769](#)

Horti Sun 315

more light less heat

These fixed power 315 CMH magnetic ballasts are based on the same design as our class leading Horti Gear magnetic ballast and are a welcome addition to our range of ballasts.

In our testing this ballast outperformed the digital equivalent. It was able to strike a bulb with 50m of wiring between the ballast and bulb.

The keen pricing on these ballasts makes 315 CMH lighting in the price range for the hobby grower looking to reduce costs on power consumption and heat issues without a huge investment.

The ballast efficiency is better than 92% and it can be easily wall mounted.

Horti Sun CMH 315 Ballast [36096](#)

Hortimol

full spectrum FSG

This T-LED Hortimol 40W is an ultra-thin (1.5cm), very light (900 grams) horticultural lighting system designed for vertical farming or propagation. It has 264 Osram LED's and 8 IR mounted on an aluminium ramp with impeccable finishes.

Its FSG 4000K spectrum is intended for the growth of cuttings and young planted gardens indoors in a greenhouse or in a growing room.

[For more information on please see page 118.](#)

Hortimol 40w 4000K [36313](#)



Adjust-A-Wings® Hellion UHF Digital Ballast

perfectly suited to hellion Adjust-a-Wing reflectors

The 450w-750w Hellion ballast is the engine behind the Hellion DE-HPS kit. For even more control, you can run lamps at 450w, 600w or 750w.



Adjust-A-Wings Hellion UHF Digital Ballast [05935](#)

LUMii Black 600w Digital Ballast

dimnable digital ballast

The 600W Electronic Ballast is supplied as a stand-alone ballast with a flying IEC lead so you can add any reflector fitted with an IEC socket to start growing.

The ballast features both dim and boost functions, having the ability to control the light output from the lamp. There are two dimmable options (250w & 400w) and a 'super-lumen's' boost option (660w) which is an extra 10% increase in lamp output.



LUMii Black 600w Digital Dimmable Ballast [05499](#)

Maxibright Daylight 315w Digital Ballast

low frequency square-wave power pack

The Daylight 315 digital power pack for horticultural lighting from Maxibright is compact, lightweight and silent running.

With all the features of the Maxibright Digilight range, this stunning power pack precisely drives 315W CDM/CMH lamps.

The Daylight 315 when used with the 315W CDM/CMH lamps ensures healthy abundant yields, excellent PAR output levels per watts of power consumed.

- Specifically designed to run Maxibright & Philips 315W CDM/CMH lamps correctly
- Low frequency square-wave power pack
- Small, lightweight & silent running
- Soft start technology
- End of lamp life detection
- Dynamic frequency control
- Short circuit protection
- Thermal protection



Maxibright 315w Digital Ballast [05547](#)



Phoenix 600w Magnetic Ballast

compact magnetic ballast

The Phoenix is a standard magnetic ballast and is one of the best performing budget ballasts available. It will give you a higher output of light than the other cheap unbranded economy ballasts on the market.

Fully encapsulated ballast with an injection moulded resin case which ensures silent running with a wall mountable enclosure.

Phoenix 600w Magnetic [05785](#)



sanlight Q-Series

one platform – unlimited solutions

Developed from all the experience gathered by SANlight in recent years, the QSeries light combines all the benefits SANlight has come to offer with new features that make it more convenient and future-proof.

The highest efficiency, perfect light control and passive cooling are complemented by some new features.

By using a Y distributor (available as an accessory), you can operate up to 7 lights on a household power outlet. For industrial applications even more lights can be operated on one circuit breaker.

The QSeries is suitable for the most common indoor grow tents. For Example: 60x60cm (2x2ft) and 100x100cm (3.2x3.2ft) tents can be properly illuminated with a minimum amount of modules.

The secondary optics (lens) have a precisely defined 90° beam angle. As a result, the light is distributed homogeneously over your cultivation area and the losses due to light scattering are minimized. The wide radiation pattern also helps you to cultivate high-growth indoor plants with limited height.

The breeding of fruit-forming short-day plants indoors without daylight, in particular requires high light intensities (PPFD). The broadband light spectrum of the Q-Series not only promotes the maximum photosynthesis rate, but also helps the plant regulate its hormone balance. Better yields and healthier plants are the result.

As a Q-Series user, after several years of operation, you can easily and cost-effectively upgrade your light to a state-of-the-art technology by having the LED modules replaced by a certified retail partner. This is done in no time at all. It not only saves resources, but also your money.

With The Q-Series, SANlight has created a product that is versatile and leaves nothing to be desired.



SANlight Q4W

suitable for small and medium tents

- 400μmol/s PPF
- Broadband, continuous light spectrum especially for fruit-forming plants
- Power consumption 150W
- Power Factor > 0,95
- Radiation angle 90°
- Rectangular and homogeneous illumination of the cultivating area
- 3 years full warranty
- LED modules / light engines can be exchanged with sales partners
- 90% of light output after 80.000h runtime (LM90)
- Daisychainable
- Passive cooling

SANlight Q6w 06085



SANlight Q6W

suitable for large tents and big areas

- 580μmol/s PPF
- Broadband, continuous light spectrum especially for fruit-forming plants
- Power consumption 215W
- Power Factor > 0,95
- Radiation angle 90°
- Rectangular and homogeneous illumination of the cultivating area
- 3 years full warranty
- LED modules / light engines can be exchanged with sales partners
- 90% of light output after 80.000h runtime (LM90)
- Daisychainable
- Passive cooling

SANlight Q6w 06084

sanlight M30

Maximum flexibility, even in the smallest of rooms

The SANlight M30 LED module has been designed for the home and hobby sector.

It offers maximum flexibility, especially for smaller areas of cultivation.

The combination of high-quality luminaires and a bespoke supply technology guarantee a high light output with a long service life and high energy efficiency. Passive cooling increases the reliability and there is no operating noise.

A universally applicable light spectrum enables the growing of young plants and seedlings as well as the successful breeding of flowering and early plants.

The M30 provides the basis of a flexible, modular system. Depending on growth stage and plant genre, the light intensity per unit of area can be adjusted by the number of individual modules.

A frame system, which is available as an accessory, enables a convenient use of several modules. Thus, you are always able to create the optimal illumination solution for your individual cultivation requirements.



Technical Data Overview

- 77 μ mol/s PPF
- Broadband full spectrum
- 30W Power Draw
- 90° Beam Angle
- Modul-Efficiency 2,8 μ mol/J
- 3 Years Full Warranty
- 90% Light-Output after 80.000h of operating
- Compact Luminaire
- Flexible expandable
- Passive and soundless cooling
- Protection class IP20



sanlight Flex

Compact and flexible linear light

The SANlight FLEX series is a compact and powerful LED illumination solution for use in multi-layer systems, Interlighting applications and as an additional light to existing luminaires.

The light spectrum of the SANlight FLEX series specially developed for these applications is extraordinarily broadband and has a balanced far-red/red ratio. This accelerates rooting for cuttings and greatly promotes growth in the first phase of plant life.

The generously dimensioned passive cooling system keeps the light cool when in operation. In combination with the high IP68 protection rating, this allows the use of the SANlight FLEX between the plants where there is no light. This means the quantity and quality of your harvest is greatly improved.

When used in multi-layer systems, the broad and homogeneous wide beam characteristics ensure perfect light distribution, even when there are small distances between the light source and the tip of the plant. In addition, the low installation height reduces the space requirement of the individual layers.

In order to keep the installation simple even in larger systems, several luminaires can be supplied via a common LED driver. The luminaires can be connected directly to one another without tools or with the available connecting cable. The mounting tab can also be folded for easy mounting.

Thus the SANlight FLEX offers an extremely flexible system for young plant breeding, and Interlighting applications.



- Available in two different lengths
- Compact space-saving design
- Cool operating temperature
- Broadband light spectrum with balanced far-red/red ratio
- Operation of several lights with a LED driver
- Waterproof IP68
- Homogeneous wide beam characteristic 90°
- Rectangular distribution of light



Adjust-A-Wings® 600-750W HELLION De-HPS Illumination Kit

everything you need to start growing efficiently

After years of research and development, the Hellion represents everything we know about high intensity grow light solutions and has been engineered specifically for growing and flowering heat-sensitive crops.

This revolutionary, state-of-the-art lighting system outputs more photons, delivers higher system efficiency and requires fewer lamp replacements than other DE-HPS fixtures.

The Hellion is a complete, integrated indoor plant lighting solution—designed with logic, efficiency, usability and common

sense in mind rather than brute force, compromise and waste!

DE-HPS technology represents a massive improvement in terms of raw lamp efficiency—but its potential has scarcely been realised in greenhouse style fixtures which have to be positioned high above the plants to allow space for the concentrated radiant heat emissions to dissipate.

The Hellion 600/750W DE-HPS Lighting System delivers the full potential of DE-HPS UHF/400V efficiency at close range to your plants while remaining cool and minimising wasted light.

Adjust a Wings 600-750w Hellion DE-HPS 05934



Avenger Reflector

premium, top of the range

The super reflective surface is vapour coated with molten glass, titanium dioxide and is PVD / ceramic coated creating an enormous 95-97% reflectivity.

Avenger Large 05950 Avenger Medium 05951



Defender Reflector

industrial strength reflector

The surface of the reflector is a 'titanium white' heat resistant powder coat that produces a very diffuse and even spread light foot print. It maintains a reflective quality of 92%.

Defender Large 05957 Defender Medium 05950 Defender Small 05953



Enforcer Reflector

entry level, premium reflector

The Enforcer offers 86% reflectivity and is an ideal introduction to quality reflectors for the new grower just getting started out.

Enforcer Large 05954 Enforcer Medium 05955 Enforcer Small 05956

Adjust-A-Wings 315W/630W Hellion Lighting Systems

Our new CMH lighting systems deliver an improved, continuous spectrum compared with first generation CMH lamps. Additionally, growers can benefit from higher output, improved efficiency and longer lamp life. The years of research, dedication and grow trials have paid off!

Both lamps are available in 3K and 4K colours. The 4Ks (additional blue) are ideal for all stages of plant growth and can be used to enhance the spectrum of HPS or DE-HPS throughout flowering. The 3Ks are great standalone lamps, ideal for all stages of growth and particularly flowering. The 315W SE CMHs are fitted with industry standard E40 mogul bases for versatility and improved reliability

They also run XOS borosilicate single skin jackets for enhanced harmonic stability, cooler operation and extended life.

Adjust-A-Wings 315W SE-CMH Kit

superior spread daylight kit

The same great spectrum, in a smaller package, ideal for smaller grow spaces and for mixing between HPS lamps to enhance spectral diversity.

The SE-CMH lighting kit comes with a lightweight, small DEFender reflector, unique 315W 4K lamp with E40 mogul base and specialist Ultra High Frequency (150KHz) e-ballast (remotely mounted). This is an affordable, reliable no nonsense package that can easily cover a 1.0M x 1.0M canopy to power explosive and expressive full term growth or 1.2M x 1.2M

Adjust-A-Wings 315W SE-CMH Kit 06212

vegetative, pre-flower or mother plant growth.

We designed the Hellion 315W SE-CMH lamps and the e-ballast to work together for optimal performance.

Engineering these essential lighting system components together is key to achieving our industry-leading output, efficiency and lamp lifespan.

Our 4K 315W SE-CMH lamp has more deep red than any other 4K lamp to drive yield as well as enhanced flavours and terpene profiles.

630W DE-CMH Hellion Kit

superior spread daylight kit

High intensity light with an unbeatable spectrum, ideal for all stages of growth, particularly flowering.

They excel when used in chequerboard formation with Hellion DE-HPS to create an insanely productive mixed spectrum lighting plan. With wings set wide they easily cover 1.5m x 1.0m for flowering or 1.8m x 1.2m for early veg / mother plant production. With wings adjusted to narrow settings, square canopies in the range of 1.2m x 1.2m (flowering) to 1.5m x 1.5m (veg/mother) can also be covered.

This state-of-the-art DE-CMH lighting kit offers unmatched efficiency, uniformity, light spread, spectral quality and cooler operating temperatures.

630W DE-CMH Hellion Kit 06211

Professional growers are already aware of the increase in crop quality made possible through mixing the spectrum's of HPS and CMH lamps. However the greenhouse-style fixtures that they commonly use require high placement above the canopy which reduces radiant intensity (as opposed to overall intensity measured on a PAR meter) and limits yield.

By combining DE-HPS with DE-CMH and using Adjust-A-Wings plus Super Spreaders, growers can mix spectrums and maintain high radiant intensity, fully unlocking the "Emerson Effect" to drive production (whole plant) for improved yields of quality, terpene-rich produce.





Garden HIGHPRO Max Light

high performance cool shade

Air cooled reflectors such as the Max Light allow you to remove excess heat generated by artificial lighting, this can make the difference between plants just surviving and actually thriving.

A hinged air tight lid makes changing bulbs easy without having to undo any ducting.

Garden Hlghpro 6" Max Light Air Cooled Reflector [04573](#)



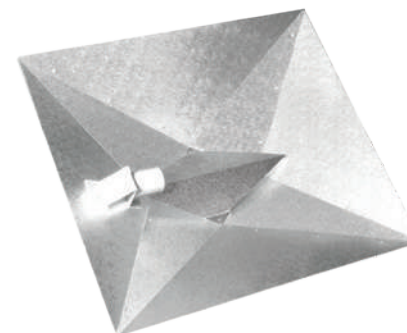
Garden HIGHPRO ProTube

high performance cool tube

One of the best air cooled reflectors on the market today, the Protube by Garden HIGHPRO.

This reflector has been designed to dissipate the heat emitted by the bulb of our indoor grow room to the air flowing through the tube.

Garden Hlghpro ProTube 125(M) 300mm [05346](#) 125(L) 400mm [05347](#)
150(L) 400mm [05348](#) 150(XL) 600mm, Double Ended [05349](#)



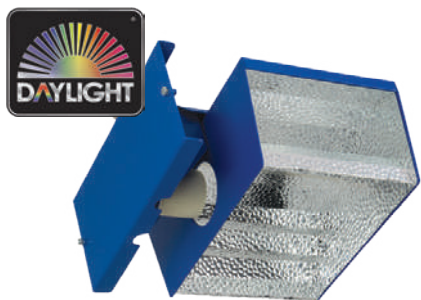
Garden HIGHPRO Indoor Matrix

high performance tent light shade

Indoor Matrix Lumen Evolution is the latest and one of the most revolutionary reflectors on the market.

Made from pearl technology marked aluminium from Germany, the new Indoor Matrix guarantees 98% reflectivity. The shade incorporated a 125mm spigot for connecting to your extraction system if required.

Garden Hlghpro Indoor Matrix (4m Cable) [05101](#)



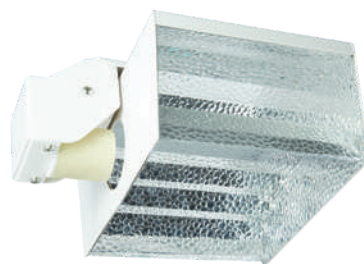
Maxibright Horizon Connect

next generation 315v lighting

The Horizon connect reflector, first thing you'll notice is unique shape/size as its measures just 260mm x 210mm x 115mm.

Its purpose is to be used as supplementary lighting as its wide angle throws the light out, rather than down. Although it can cover a room size of 1.2m x 2.4m, to get the most out of this space.

Maxibright Horizon Connect [05802](#)



Maxibright Horizon Remote

315w lighting shade

The Maxibright Horizon Reflector is part of the next generation of lighting designed to help you get the very best from your CDM light.

Excellent build quality and rigorous testing as standard you can be sure your plants will lap up every last usable lumen.

Maxibright Horizon Remote [05582](#)



Maxibright Daylight V3

maximum light intensity

Maxibright Daylight Single Reflector V3 has a 315W PGZ18 Lamp Holder included. This third generation Daylight reflector offers improved light coverage.

Dimensions (mm): 490 (L) x 440 (W) x 220 (H)

Maxibright Daylight V3 [05742](#)



Maxibright 315 Twin Reflector

twin 315w lighting shade

Maxibright Daylight Twin Reflector is designed specifically for 315W CDM/CMH lamps so that the arc tubes are positioned to ensure the most efficient spread of light over a 1.5 x 1.5m area.

Dimensions (mm): 640 (L) x 440 (W) x 135 (H)

Maxibright Daylight Twin Reflector [05672](#)



EcoTechnics Large Diamond Reflector

efficient light reflection

The Diamond Reflector is an aluminium diamond shaped design, this style of reflector is often referred to as a closed-end reflector, meaning that HID lamps are enclosed on all sides by reflector walls forcing all light to be reflected downwards towards plants.

Photometric Laboratory testing has shown that this style of reflector can increase light intensity by up to 50% compared to open reflector design.

Diamond Reflector 600w [00590](#) 600w Air Cooled [02210](#)



EcoTechnics Mini Diamond Reflector

mini diamond for 315, 400 and 600w lamps

The newest addition to the diamond reflector range has been manufactured so that a 315w CDM bulb sits perfectly centrally.

Used with 400w and 600w HID bulbs they produce a uniform light spread over a 1.2m square area.

EcoTechnics 315 Diamond Reflector [05852](#)



EcoTechnics Cool Shade

the original cool tube

This cool shade comes complete with internal reflector and small external reflector wings, has one light socket for HID lighting and is pre wired ready for use.

Please note that ALL Cool Shade reflectors MUST always be used with a suitable air extraction system.

CEcoTechnicscool Shade 5" 400mm [02230](#) 6" 400mm [02356](#)



Sun King Vertical Parabolic

even light spread

The Sun King Parabolic umbrella shaped reflector has a high gloss white powder coated finish or dimpled aluminium. Ideal for use with grow tents to give an even distribution of light. The lamp is fitted in a vertical position and the units are supplied flat packed, fully wired for quick and easy assembly.

Sun King Parabolic White Medium [02661](#) Large [02660](#)
Sun King Parabolic Silver Medium [02663](#) Large [02662](#)



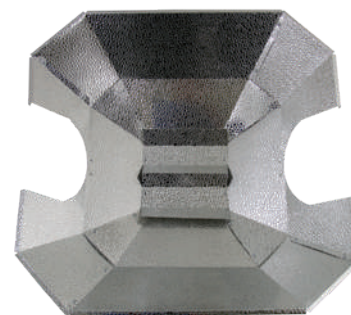
Sun King Parazontal Parabolic

even light spread

The Sun King Parazontal umbrella shaped reflector has a high gloss white powder coated finish. Ideal for use with grow tents to give an even distribution of light.

The lamp is fitted in a horizontal position and the units are supplied flat packed, fully wired for quick and easy assembly.

Parazontal Parabolic [02697](#)



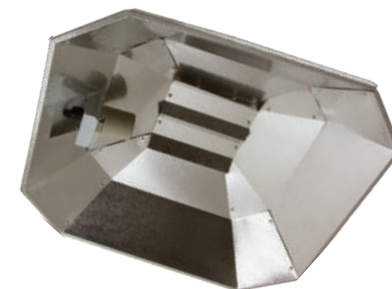
Sun King Aero 8 Reflector

maximise your cool tube

Maximise the effectiveness of your cool tube lighting with a Sun King Aero 8.

The Aero 8 is designed to fit straight over your existing 5 inch or 6 inch Cool Shade, giving you the same temperature control benefits combined with the uniform light spread of a Sun King Reflector.

Aero 8 Reflector [04080](#)



Sun King Great 8 Reflector

flexible bulb positioning

The Great 8 reflector has been designed so you can use any size bulb 250w, 400w, 600w and 1000w. The bulb fitting slides back and forth to place any bulb in its most effective position.

The Great 8 reflector has an excellent heat dispersion method. It has 2 vents at the top of the shade to let the heat out, stopping heat building up around the bulb.

Great 8 Reflector [02664](#)



Solis Tek A1

complete 1000w lighting system

The A1 complete lighting system from Solis Tek can be used with both double ended HPS and Metal Halide lamps.

The A1 Complete Lighting System has a high PAR output. It has an incredible high build quality and the reflective surface has a fairly uniform light spread, perfect for growers who appreciate and understand the benefits of good light quality.

Solis Tek A1 [05183](#)



Secret Jardin Daisy

fast assembly fabric parabolic

DAISY is a cost-effective reflector. It has an advanced umbrella-type design that provides unbeatable lighting performance.

It allows the growing temperature area to be reduced and to place the lamp closer to the plants.

Provided as a small package for ease of shipping, Daisy will take under five minutes to be assembled.

Secret Jardin Daisy 80cm(for 315's) [05900](#) 60cm [05961](#) 100cm [05962](#)



Highlight Pro Series Lighting

full range of air cooled shades

The pro series reflectors feature a hinged fully sealed lid for efficient cooling.

The highly polished aluminium reflective surface ensures an even distribution of light across your growing area.

Highlight Pro Series 6" Small [04760](#) 6" Medium [04622](#) 8" Twin Lamp [04625](#)



Barn Reflector

budget reflector

Although this is the cheapest reflector available they offer a remarkably good reflective spread for the money.

Made from highly reflective dimpled aluminium.

Horti King [04764](#) Watermark [05409](#) Lummi [05912](#)

Plug & Grow Reflector

designed for CFL bulbs

Mirror reflective open shade especially reinforced to take the weight and size of CFL bulbs up to 250w.

Air vents at the top allow heat to escape along the length of the bulb.

Plug & Grow CFL Reflector [02279](#)



Highlight Cool Tube

budget air cooled lighting

This Cool Tube is an air-tight, fully sealed clear glass tube with a lamp mounting bracket in its centre.

It's perfect for removing the excess heat generated by HID grow lights without leaking unpleasant odours.

Highlight Cool Tube 5" [05268](#) 6" [05188](#)



T5

propagation light system

T5's used in propagation will produce even growth and bushiness with short internodes and thick stems.

Even light spread and a lack of heat from the light tubes means the lamps can be moved closer to the plants as they grow bigger.

Their compact design, makes them the favourite propagation and vegetative lighting solution for many growers.

Maxibright 2ftx4 Tube [05800](#) 4ftx4 Tube [05801](#) EnviroGro 2ftx2 Tube [05241](#) 2ftx4 Tube [05243](#) 4ftx4Tube [05242](#) 4ftx8Tube [05262](#) 2ft Replacement Bulb [05931](#) 4ft Replacement Bulb [05932](#)



Horti Gear Magnetic Light Kits

great value magnetic light kit

The Horti Gear light kit comes in a 600w and 400w version. The kit comes complete with either a sunlux pro dual spectrum lamp or a sunlux pro metal halide lamp. The reflector is a standard barn shade with a 4m cable.

The kit is our most popular Horti Gear magnetic ballast so that quality is not compromised.

Call for details



Horti King Digital Light Kits

great value digital light kit

The Horti King digital light kit is an affordable digital light kit with matching ballast, bulb and shade.

Reliable and quiet, the ballast can be used at 250w, 400w, 600w and 660w boost.

The ballast should be used with a matched wattage bulb for best results.

Using the boost in the last weeks of flower gives the flowers the extra light the need.

Call for details



Horti Sun 315 light Kits

great value magnetic light kit

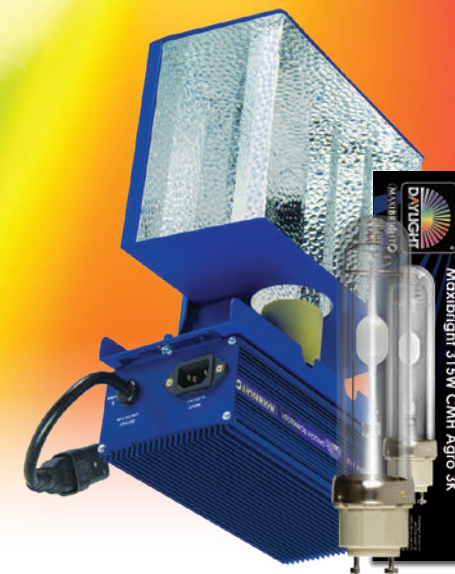
The Horti Sun 315v light kit uses our magnetic ballast to power a CMH Bulb.

The kit can come with any of the shades we supply by using an E40 conversion adaptor.

The bulbs come in a grow and flower version for full control of your plants growing stages.

315v lights produce an impressive amount of PAR spectrum light for the amount of power they consume.

Call for details



Maxibright Daylight Kits

horizon connect kit

Powered by the Maxibright Daylight 315W power pack the Focus Remote & Focus Connect reflectors are compact, highly reflective and suitable for use as standalone lighting or to supplement other lighting.

The Daylight 315 power pack fixes simply to the Focus Connect utilising two fixing points. Plug the shortened IEC connectors together and it's ready to use; a true plug & play product.

The Focus Remote can be used as a standard reflector with the ballast wall mounted.

The coverage of both reflectors is ideally 1.0m²
Available with 4k and 3k CDM bulb.

Maxibright 315w Daylight Kit inc 930 Bulb (flower) **05584**
inc 942 Bulb (Grow) **05583**

**PHILIPS**
MASTER GreenPower 600w
 dual spectrum bulb

The Philips Master Green Power 600W HPS lamp is a dual-spectrum lamp with a high 88,000 lumen's output.

The lamp produces light in the orange/red part of the spectrum for excellent flowering plus a generous amount of blue for healthy plants and vegetative growth. Lumen's is a measurement of total light output, not the amount of light that plants can actually use.

The Philips Master Green Power 600w HPS has lower lumen's output than some other HPS lamps but it actually produces more usable light for your plants than any other making it the best lamp for growing plants that you can get.

The Philips Master Green Power 600w lamp is built to professional standards and because of this it maintains it's light output for much longer than other lamps, meaning it lasts longer between change-outs.

PHILIPS
MASTER GreenPower 600w 400v
 dual spectrum bulb

This lamp runs at 400 volts and should only be used with systems like the Gavita Pro 400 Volt / 600w HPS Complete Lighting Kit.

The Philips Master GreenPower 600W / 400 Volt HPS Pro EL Lamp has been designed specifically for Pro HPS 400 Volt / 600w lighting systems.

This lamp must NOT be used with any other type of lighting system. When used in a Pro HPS 400 Volt / 600w system, this lamp will outperform virtually all other 600w lamps and lasts for approximately a year!

- A superb lamp, specifically for use with Pro HPS 400v/600w lighting systems only
- Produces the most umols (plant usable light) of any 600w lamp for flowering
- Biggest yielding lamp 600w HPS lamp available
- Lasts for up to a year

SYLVANIA
GroLux 600w
 dual spectrum bulb

The Sylvania GroLux 600w lamp is a world renowned reliable, high performing lamp.

It is the lamp of choice for growers who are looking for a lamp that will help produce high yielding crops at an affordable price.

The Sylvania GroLux lamp has a broad spectrum output making it usable during veg and flowering stages. It produces 90,000 lumen's output.

SYLVANIA
GroLux 400w
 dual spectrum bulb

The Sylvania GroLux 400w HPS lamp is a dual-spectrum lamp with a high 58,000 lumen's output.

The lamp produces light mostly in the red part of the spectrum for excellent flowering but also produces some blue to make it also suitable for the vegetative growth stage.

This bulb can be used for both phases and thus ensures a good vegetative growth and rich, dense flowers.



SYLVANIA SHP-TS Super flower bulb

Affordable, reliable, and powerful. Like all of the lamps in this series, what stands out is the price, but also excellent performance values.

Sylvania is a subsidiary of Osram and has certainly made a name for itself in the world of grow lights. The lamps in the Sylvania SHP-TS series emit a large proportion of their light in the red spectrum (approx. 2050°k) and are therefore best suited for the flowering phase of most harvest crops and ornamental plants.

The manufacturer states that the lamps have an average lifetime of 30,000 hours in operation, which makes the Sylvania SHP-TS lamps not just good value, but also relatively long-lasting.

Sylvania SHP-TS 600w **01876**



OSRAM Vialox flower bulb

The popular 600w brand-name lamp sets itself apart with exceptional reliability, a high luminous flux output (up to 150lm/w) and first-class production quality.

The patented shock absorber ensures reliable ignition and preservative operation of the high-pressure discharge lamp, and the new technology also reduces gas loss in the electrode feed-through. This allows for a long life without any substantial loss of light output.

The purely red-yellow light spectrum (approx. 2000°k) of this lamp is predestined for use in the flowering phase of most cultivated plants. The blossom/flower formation is stimulated which encourages lavish growth in the plant.

Osram Son T Plus 600w **00602** 400w **00598**



OSRAM Plantastar-T dual spectrum bulb

The Osram Plantastar HPS lamp is one of a handful of bulbs specifically designed for the horticulture market.

The colour temperature rating of the Osram Plantastar is 2000k, which is firmly in the red spectrum. There is also a substantial amount of light in the blue spectrum to give a more rounded, balanced light for your plants.

The Osram Plantastar uses the standard E40 lamp fitting, meaning it is compatible with all the standard reflectors and 240v ballasts. As such, you can simply replace your current 600w, 240v lamps with this plant specific lamp.

It has been designed with focus on tall growing plants which may suffer from light drop-off to the lower leaves.

The Osram Plantastar gives great penetration into the canopy. This delivers high PAR light to more photosynthesis sites that boost production of sugars, leading to better harvests.

Osram Plantstar 600w Dual Spectrum **04752**



SUNMASTER Grow+ Photonic dual spectrum bulb

The Sunmaster 600W and 400w dual spectrum HPS grow lamp puts out both red spectrum and enough blue spectrum light to be used as a sole light source throughout all stages of growing. This eliminates the need to buy separate metal halide and HPS bulbs for the vegetative and flowering / fruiting stages of plant growth.

Sunmaster grow lights in particular are specifically tailored for the horticultural market and are some of the best lamps around for growing purposes. Their range of dual spectrum bulbs are an economic and easy to use solution for growers.

Sunmaster Grow+ Photonic 1000w **04917** 600w **02242**
400w **03136** 250w **04843**



SUNMASTER Cool Deluxe grow bulb

Sunmaster Cool Deluxe Grow Lamps emit light from 5000° to 6500° Kelvin, imitating the natural look of daylight. They are an ideal light source for the seedling and vegetative stages of plant growth, while still emitting a wide spectral distribution.

The 600w Sunmaster Metal Halide Cool Deluxe Lamp has a lumen output of 55000 all of which is in the blue part of the spectrum making them ideal for vegetative growth creating plants with shorter internodes setting them on a course to heavy yields.

The Sunmaster range of lamps has proven to be excellent value for money providing reliability and quality lamps time and time again. Horticultural lamp light output will decrease with use.

We recommend that growers replace lamps at regular intervals to maintain optimum yields.

Sunmaster Cool Deluxe 600w **04918**



HORTI KING Horti King dual spectrum bulb

The Horti King 600w dual spectrum HPS Bulb Produces a spectrum of light that is suitable for your plants in both the growing and flowering stages of its life.

Producing 90000 lumens of light with a 2000K colour temperature. Dual spectrum lights have more blue in the spectrum than traditional red spectrum HPS bulbs and this helps the formation of more compact plants with shorter internode distances.

The bulb is priced to enable it to be sold with budget light kits while still producing good overall results for the hobby grower.

Horti King 600w **06058**



SunLux^{PRO} Pro Dual Spectrum dual spectrum bulb

The Sunlux Pro Dual Spectrum 400w and 600w bulbs are aimed at the budget end of the bulb market. However the quality of the bulb far outweighs the cost.

They will fit into any E40 reflector fitting and will work with all types of 400w and 600w ballasts.

Sunlux Pro Dual Spectrum 400w **02615** 600w **02614**



SunLux^{PRO} Metal Halide grow bulb

Sunlux Metal Halide lamps are fantastic for growers who want to avoid plants stretching.

The plant, when under a Sunlux metal halide lamp, remain shorter and develop more roots therefore allowing a sturdier plant with a large root system allowing an increased uptake of water and nutrients.

Sunlux Metal Halide 600w **02616** 400w **02617**



PHILIPS

315w CDM 942

4200k grow bulb

Superior colour quality. Crisp white light. 4200k colour temperature. High 92CRI. 34,300 initial lumen's (109lm/w). High 90% lumen maintenance at 8,000hr. High 85% PPF maintenance at 20,000hr.

Unique Open Rated Lamp construction reduces radiant heat from the arc tube and is suitable for open fixture use.

Until the lamp has achieved a least 10 hours of operation, the lamp should never be turned off longer than 2 minutes, including the installation test. In case this happens, you will have to wait 1 hour before switching on again. Not doing so may lead to ignition problems.

Phillips 315 930 Agro Bulb **05549**



PHILIPS

315w CDM 930

3000k flower bulb

Philips Elite Agro 315w T12 Ceramic Metal Halide Lamp 3100k is a flowering, budding spectrum lamp designed for maximum efficiency. Philips Elite Agro 315w T12 Lamp provides a compact and efficient metal halide solution for the horticulture market.

This lamp, combined with the efficient ballast, provides outstanding growth light performance over the life of the product. Superior colour quality. Crisp white light. Incredibly high 1.95 PPF (photosynthetic photon flux) per watt per second light source. 3100k colour temperature. High 92 CRI. 33,000 initial lumen's (105Lm/w). High 90% lumen maintenance at 8,000 hr. High 85% PPF maintenance at 20,000hr.

Unique Open Rated Lamp construction reduces radiant heat from the arc tube and is suitable for open fixture use.

Phillips 315 942 Elite Bulb **05548**



Daylight 315W CMH Agro 3K

3K CMH agro

This lamp uses innovative new ceramic metal halide chemistry for enhanced plant lighting. This prevents stretching and encourages much higher quality growth. The balance light lets the plant naturally form more branch inter-nodes for increased plant mass.

The lamps are Ideal as both supplementary and standalone lighting. Under these lamps the plant produces more essential oils, terpenes and flavonoids to enhance the flavour aroma and size.

The Agro lamp is incredible for the plants flowering stages.

Daylight 315 3k Agro **06039**



CFL Blue/Red

grow/flower bulb

CFLs radiate a different light spectrum from that of incandescent lamps. Improved phosphor formulations have improved the PAR colour of the light emitted by CFLs. They are similar in colour to standard incandescent lamps.

Metal halide lamps typically operate at 750°F, with poor light-output efficiency. Compared to the light compact fluorescents can provide, your metal halides are wasting electrical energy and converting it to heat instead of light. CFL lamps are more efficient and operate at less than 40°C.

The blue CFL grow light is designed for the vegetative growth cycle of your plant.

The red CFL grow light is designed for the flowering growth cycle of your plant.

CFLs use less power and have a longer rated life.

Pro Star CFL Blue 125w **05508** 150w **06181** 200w **05422** 250w **05423** 300w **05424** Pro Star CFL Red 125w **06186** 150w **06187** 200w **06185** 250w **05425** 300w **05426** Dual Spectrum 250w **06182** 300w **06813**



Hortimol

full spectrum FSG

This T-LED Hortimol 40W is an ultra-thin (1.5cm), very light (900 grams) horticultural lighting system designed for Vertical Farming or propagation. It has 264 Osram LED's and 8 IR mounted on an aluminium ramp with impeccable finishes.

Its FSG 4000K spectrum is intended for the growth of cuttings and young planted gardens indoors in a greenhouse or in a growing room.

The full spectrum FSG is designed to fill the lack of pigment located outside the ranges 660 and 450nm. It increases the radiation energy of red light at a wavelength of 660nm in white light. The overall colour temperature of the FSG spectrum of this T-LED Hortimol is 4000K with a CRI of 88.

The T-LED Hortimol has a 1.55 meter power cabling with BNC secure connection. This Led lighting is rated IP65: protection against splashing water and dust intrusions.

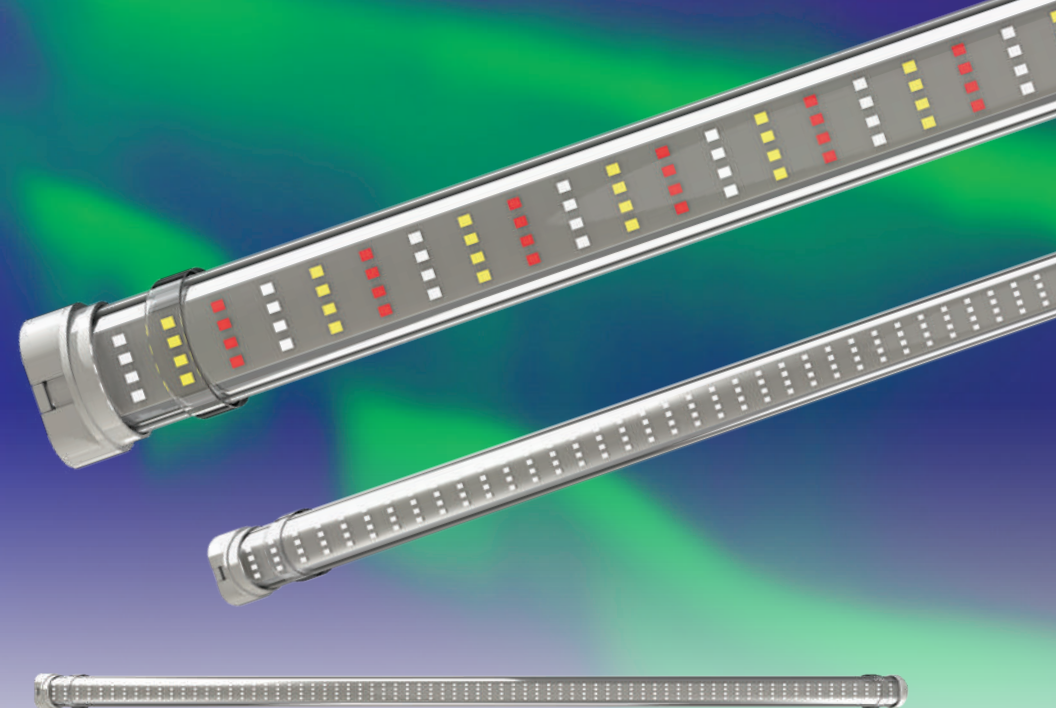
This 40W Hortimol Led Bar is sold with its braided wire suspension system. It can be hung as a classic horticultural lighting or attached directly to a wall vertically or a shelf horizontally.

CE certification, LM79, ETL.

LM79 is an approved method for performing electrical and photometric measurements of LED lighting. This method includes the luminous flux electrical power, efficiency, chromaticity and light distribution.

ETL certification meets all requirements of the National Electrical Code (NEC) and the Canadian Electrical Code (CEC).

Hortimol 40w 4000K **36313**



Secret Jardin T-LED

grow/bloom

Secret Jardin T-LED - LED grow lights are a low wattage, low heat, highly efficient alternative to supplemental HPS and T5 lighting systems. These versatile lights can be used as propagation lights or as additional low-level lighting. They can be hung in areas that need more light, close to the plant, without the worry of scorching.

The Blue T-LED emits blue light at 6500K making it ideal for propagation, vegetative growth and mother plants.

The Red T-LED emits red light at 2100K making it ideal for the flowering stage of the plant whether as a stand-alone light for small plants or as additional lighting to existing HPS or LED grow lights.

Available in two size and colour output variations:

T-LED 26watt Blue (Grow) 54cm x 4cm x 3cm - weight 360grams

T-LED 26watt Red (Bloom) 54cm x 4cm x 3cm - weight 360grams

T-LED 42watt Blue (Grow) 95cm x 4cm x 3cm - weight 580grams

T-LED 42watt Red (Bloom) 95cm x 4cm x 3cm - weight 580grams

Powered by Neon LED technology, Secret Jardin LED's will last 30,000 hours and have minimal power consumption and heat generation. The 26watt Blue or Red versions generate an equivalent light output to a twin 55w T5 fluorescent lighting system.

Secret Jardin T-LED Grow 26w **05751** Grow 42w **05753** Bloom 26w **05665** Bloom 42w **05752**





Davin lighting control has made a big impact in the UK market since it was introduced a few years ago.

Davin offers an extensive range of lighting relays to fulfil the needs of most customers who range from professional horticulturists to the novice home grower. More than 20 years of experience and product development have gone into the products, assuring their quality.

At Davin, safety is of paramount importance. Every product sold has a CE certificate, and most of the products have an IP44 water resistance rating.

Plugs and sockets are the main link between the contactor and ballast. Davin delivers all products with superior plug sockets.

The demanding requirements we place on all our products ensure that the Davin name represents the very highest quality.

No product leaves the Davin factory without quality control, and every product is accompanied by an original inspection certificate.



Davin Eco 4x600w Contactor inc. Heater Switch

This budget contactor is a time controlled relay box with which a maximum of 4 x 600w fittings, or 5 x 400w fittings can be switched.

- Dimensions in mm: 210 x 290 x 90
- Operating voltage: 230 VAC/50 Hz
- Max power: 15amp
- Max output to heater: 15amp
- Isolation level: IP-44

Davin Eco 4x600w Switch Box inc. Heater Switch [02725](#)



Davin Eco Switch 8x600w inc. Heater Switch

This budget contactor is a time controlled relay box with which a maximum of 8 x 600w fittings, or 10 x 400w fittings can be switched.

- Dimensions in mm: 210 x 290 x 90
- Operating voltage: 230 VAC/50 Hz
- Max power: 2 x 15amp
- Max output to heater: 15amp
- Isolation level: IP-44

Davin Eco Switch Box 8x600w inc. Heater Switch [02726](#)



Davin DV12 2x600w Switch-Box

The DV-12 is a Grasslin timer controlled relay box with a maximum 2 x 600w fittings or 2 x 400w fittings can be switched.

- Dimensions in mm: 110 x 210 x 70
- Required voltage: 230 Vac/50 Hz
- Max output: 6amp
- Isolation level: IP-44

Davin DV12 2x600w Switch-Box [02727](#)



Davin DV12k 2x600w switch box inc. Heater Switch

The DV-12K is a Grasslin timer controlled relay box with a maximum 2 x 600w fittings or 2 x 400w fittings can be switched. Next to this, the DV-12K has an outlet for a heater.

- Dimensions in mm: 110 x 210 x 70
- Required voltage: 230 Vac/50Hz
- Max output: 6amp
- Output heater: 6amp
- Isolation level: IP-44

Davin DV12k 2x600w Switch Box inc. Heater Switch [02728](#)



Davlin DV14 4x600w Switch-Box

The DV-14 is a Grasslin timer controlled relay box with a maximum of 4 x 600w fittings, or 5 x 400w fittings can be switched.

- Dimensions in mm: 210 x 290 x 90
- Max output: 15amp
- Required voltage: 230 Vac/50Hz
- Isolation level: IP-44

Davlin DV14 4x600w Switch Box [02729](#)



Davlin DV14k 4x600w Switch-Box inc. Heater Switch

The DV-14K is a Grasslin timer controlled relay box with a maximum of 4 x 600w fittings, or 5 x 400w fittings can be switched. Next to this, the DV-14K has an outlet for a heater.

- Dimensions in mm: 210 x 290 x 90
- Output heater: 15amp
- Required voltage: 230 Vac/50Hz
- Isolation level: IP-44
- Max output: 15amp

Davlin DV14k 4x600w Switch Box inc. Heater Switch [02730](#)



Davlin DV28 8x600w Switch-Box

The DV-28 is a Grasslin timer controlled relay box with a maximum of 8 x 600w fittings, or 10 x 400w fittings can be switched.

- Dimensions in mm: 210 x 290 x 90.
- Max output: 2 x 15amp.
- Required voltage: 230 Vac/50Hz.
- Isolation level: IP-44.

Davlin DV28 8x600w Switch Box [02731](#)

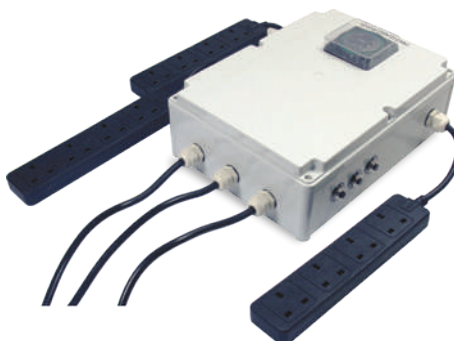


Davlin DV28k 8x600w Switch-Box inc. Heater

The DV-28K is a Grasslin timer controlled relay box with a maximum of 8 x 600w fittings, or 10 x 400w fittings can be switched. Next to this, the DV-28K has an outlet for a heater.

- Dimensions in mm: 210 x 290 x 90
- Max output to heater: 15amp
- Required voltage: 230 Vac/50Hz
- Isolation level: IP-44
- Max output: 2 x 15amp

Davlin DV28k 8x600w Switch Box inc. Heater [02732](#)



Davlin DV33 12x600w Switch-Box

The DV-33 is a Grasslin timer controlled relay box with a maximum of 12 x 600w fittings, or 16 x 400w fittings can be switched.

- Dimensions in mm: 210 x 290 x 90.
- Max output: 3 x 15amp.
- Required voltage: 230 Vac/50Hz.
- Isolation level: IP-44.

Davlin DV33 12x600w Switch Box [02733](#)



Davlin DV44 16x600w Switch-Box

The DV-44 is a Grasslin timer controlled relay box with which a maximum of 16 x 600w fittings, or 20 x 400w fittings can be switched.

- Dimensions in mm: 210 x 290 x 90
- Max output: 4 x 15amp
- Required voltage: 230 Vac/50Hz
- Isolation level: IP-44

Davlin DV44 16x600w Switch Box [02734](#)





PowerStar Pro Contactor

trouble free light switching

The EcoTechnics PowerStar Pro Contactors have been specifically designed to allow the timed switching of horticultural lighting and appliances.

In use the PowerStar Pro Contactor is very simple and should provide years of trouble free use. All Powerstar Pro's have 1m cable for the sockets and plugs.

PowerStar Pro Contactor 4 Way Pro (standard timer) **04500** 4 Way Pro (Grasslin) **04499**
6 Way Pro(Grasslin) **02650** 8 Way Pro (Grasslin) **01742**



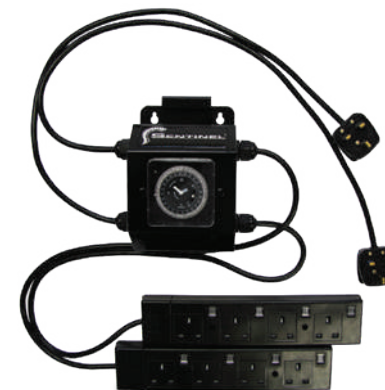
PowerStar Contactor

budget light switching

The EcoTechnics PowerStar Contactors have been specifically designed to allow the timed switching of horticultural lighting and appliances.

In use the PowerStar Contactor is very simple and should provide years of trouble free use.

PowerStar Contactor 1 Way **01928** 2 Way **01739** 3 Way **01929** 4 Way **01740**



Sentinal Contactor

wall or tent pole mounted

Sentinel CS4 4 Way 13amp and CS8 8 Way 26 amp control units are a IMO relay with a Grasslin precision timer in a robust high quality powder coated metal enclosure.

Includes individually switchable sockets with illuminated switch. Wall or grow tent mountable for easy use. Manufactured in the UK.

Sentinal Contactor 4 Way **05109** 8 Way **05110**



LUMii Contactor Timer

trouble free light switching

Available in 2, 4, 6 and 8 way units – all sizes boast the world leading Grasslin timer and are designed, assembled and quality checked in the UK. The LUMii contactor timers are the most robust and professional on the market.

All sizes are fitted with protection covers for all sockets and floor pads for floor use. Included with two brackets, they are wall mountable and can be hung in a grow tent.

LUMii Contactor Timer 2 Way **05464** 4 Way **05463** 6 Way **05462**



The Boss Contactor

grasslin timed

Housed in a robust metal enclosure the boss timer will control the switching of up to 6 x 600w lights.

Incorporating an industry leading grasslin timer, The Boss contactor will give you a long and trouble free switching of your chosen ballast and lamp configuration.

The Boss Contactor 4 Way **02646** 8 Way **02647**



24hr Grasslin Timer

single light timer

Unless you want to be in and out of your grow room every time your lights need turning on and off, a timer is an absolute necessity.

Grasslin Timers represent the best that money can buy and are definitely a worthwhile investment for every grower.

24hr Grasslin Timer **00219**



Plug & Grow Timer

single light timer

The Plug & Grow Timer makes it no longer necessary to buy expensive timers and separate contactors.

This Plug & Grow Timer is designed specifically with the grower in mind.

It has built in 22amp switching with the ability to safely handle up to: 6 x 200w CFL Lamps or up to 1 x 1000w HPS Ballast.

Plug & Grow Timer **02610**







Max-Fan

powerful & efficient

Max Fan is a unique diagonal tube fan, designed to be efficient, powerful and less noisy.

The rotor stator system makes Max Fan the most efficient fan on the market, taking into consideration both air performance and power consumption.

Code	Product	Capacity(m3/h)	Width	Length	Amps	Watts	Compatible Filters			
							Can Original	38 Special	Can-Lite	In-line
36298	200	920	201	225	0.5	100	350	W/50	800	1000
36299	250	1625	250	215	0.8	160	100	W/100	1500	1500
05964	250	1740	250	278	1	180	125	W/125	2000-1500	1500
00000	280	2360	281	308	1.6	270	-	-	-	-
36300	315	2360	315	308	1.6	270	150	W/150	2500	2500
36301	315HP	3510	315	351	3.2	530	-	-	3500	3000
36302	355	2580	354	396	1	150	-	-	3000	3000
04524	355HP	4990	354	396	5.4	960	-	-	4500	-

Dimension - mm HP - High Power

GENERATION 1 2 3



Iso-Max

Max Fan PS integrated into a silencer

By far the most popular fan in the range the Can-Fan Iso-Max is a proven efficient in-line fan designed to run as quietly as possible.

A Max-fan is integrated into a silencer. Foam is used to reduce the fan noise and it is encased into a galvanised outer casing.

Code	Product	Capacity(m3/h)	Width	Length	Amps	Watts	Compatible Filters			
							Can Original	38 Special	Can-Lite	In-line
04014	1503S	410	231	680	0.2	51	333	-	425s	-
04013	2003S	870	199	600	0.5	121	350	W/50	800	-
04449	150	410	231	680	0.2	51	333	-	425s	-
03147	200	870	199	600	0.5	121	350	W/50	800	-
04015	250	1480	315	680	0.9	150	100	W/100	1500	1500
04016	250HP	2310	354	680	1.7	273	150	W/150	2500-2000	2500
04017	315	2380	354	680	1.7	265	150	W/150	25000	2500
04045	315HP	3260	354	680	3.2	512	-	-	3500-3000	3000
36099	355HP	4800	432	995	5.23	962	-	-	4500	-

Dimension - mm 3S - 3 speed HP - High Power



Max-Fan Pro

powerful & compact

The new Max Fan Pro Series - the second generation of Max-Fan - is a diagonal fan, using the 3D rotor-stator system, which has been improved to be more efficient and quieter.

The design of the fan makes it very compact and easy to use, as the ventilation duct adapter is integrated into the mounting brackets. You just have to mount the adapter first and then fasten the fan with two screws.

The fan incorporates a 2 speed toggle switch for manual speed adjustment.

The entire range meets the mandatory ErP requirements for all EU marketed fans.

Code	Product	Width	Length	Amps	Watts	Capacity (m3/h)			Compatible Filters			
						1	2	3	Can Original	38 Special	Can-Lite	In-line
04446	150	150	309	0.3	46	600	470	-	-	-	600	-
04447	200	200	325	0.6	117	1220	793	-	375	W/75	1000	-
04626	250	250	215	0.8	136	1660	1224	-	100	W/100	1500	-
05501	315	315	300	2.1	436	3180	2753	2115	-	-	3000	-

Dimension - mm



Q-Max

Max Fan PS integrated into a silencer

Q-Max incorporates the German made Max-Fan Pro Series, part of the Can Fan range, into a sound insulated metal casing. This unique combination provides you a very quiet inline mixed flow fan and the best aerodynamic efficiency. With its patented 3D rotor-stator system, the Q-Max conveys significantly stronger air volumes at medium to high pressure values.

The silent operation of the Q-Max is the result of the high quality insulation of the metal casing, the uniform turbulence free air flow and the smooth three speed control.

The entire range meets the mandatory ErP requirements for all EU marketed fans.

Code	Product	Width	Length	Amps	Watts	Capacity (m3/h)			Compatible Filters			
						1	2	3	Can Original	38 Special	Can-Lite	In-line
05125	150	272	676	0.3	47	555	513	457	-	-	425S - 600	-
05126	200	313	680	0.6	121	1120	943	686	375	W/75	1000	-
05127	250	327	685	0.9	180	1590	1420	1166	100	W/100	1500	-
05128	315	392	685	2	430	3015	2535	1984	-	-	3000	-

Dimension - mm



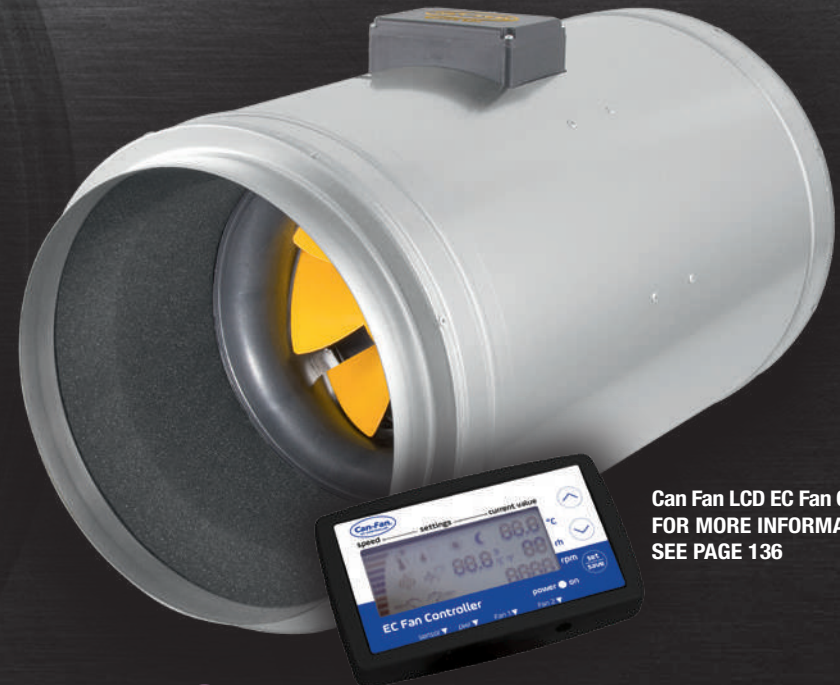
Max-Fan Pro EC

powerful, silent & compact

Max Fan Pro Series with EC technology is a turbine or mixed flow fan with the highest aerodynamic efficiency and the best energy consumption level due to the new EC technology motor, together with the 3D rotor stator system.

The powerful but silent operation of Max Fan Pro Series EC is the result of the uniform turbulence free air flow and the continuous, totally noise free plug and play Can Fan EC Controller for speed or speed & temperature. Up to 10 EC motor fans can be connected and controlled at once using the Can Fan EC Controller.

Code	Product	Capacity(m3/h)	Width	Length	Amps	Watts	Compatible Filters			
							Can Original	38 Special	Can-Lite	In-line
36257	150	776	150	309	0.6	67	366 - 350	-	800	600
36303	200	1301	200	325	1	121	100 - 375	W/100	1500	1000
36304	250	2175	250	215	2.1	304	150	W/150	2000	-
36305	315	2956	315	300	2	282	-	-	3000	-
36306	355	3308	355	350	1.8	261	-	-	3500 - 3000	-



Q-Max EC

Max Fan PS EC integrated into a silencer

A Max Fan Pro Series EC motor integrated in a Silencer.

A diagonal fan with the highest aerodynamic efficiency and the best energy consumption level due to the new EC technology motor, together with the 3D rotor stator system.

The powerful but silent operation is the result of the uniform turbulence free air flow and the continuous, totally noise free plug and play Can Fan LCD EC Fan Controller. In order to control fans, amperage is no longer relevant.

Code	Product	Capacity(m3/h)	Width	Length	Amps	Watts	Compatible Filters			
							Can Original	38 Special	Can-Lite	In-line
05166	150	716	272	600	0.6	63	350 - 366	W/50	600 - 800	-
05167	200	1203	313	600	1	120	375	W/75	1000	1000
05168	250	2000	327	600	2	307	150	W/150	2000	1500
05169	315	2850	392	600	1.9	287	-	-	3000	-
05170	355	3247	432	600	1.8	266	-	-	3000	2500
36112	355HP	4800	432	995	3.32	720	-	-	4500	-

Can Fan LCD EC Fan Controller
FOR MORE INFORMATION
SEE PAGE 136



Can-Fan RK

economic inline tube fan

Can Fan RK plastic tube fan, is an economic backward centrifugal extractor, using a resistant, maintenance free plastic housing.

The extractor is voltage controllable and as a protection for the motor, it is equipped with a thermal switch, that turns off the motor in case of overheating.

Code	Product	Capacity(m3/h)	Amps	Watts	Compatible Filters		
					Can Original	38 Special	Can-Lite
02575	100	240	0.3	55	9000PL	-	-
02543	100L	270	0.3	70	9000PL	-	-
02576	125	310	0.3	60	250	-	300
02544	125L	350	0.3	70	250	-	300
02577	150	470	0.3	70	-	-	425S
02578	150L	760	0.5	105	366 - 350	W/50	800
02579	200	820	0.5	100	366 - 350	W/50	800
02580	250	830	0.5	100	366 - 350	W/50	800



Can-Fan RKW

economic inline tube fan

Can Fan RKW is an economic backward centrifugal extractor, using a resistant, maintenance free plastic housing.

The extractor uses a 3 speed motor with temperature control integrated, so it is not voltage controllable.

As a protection for the motor, it is equipped with a thermal switch, that turns off the motor in case of overheating.

Code	Product	Capacity(m3/h)	Amps	Watts	Compatible Filters		
					Can Original	38 Special	Can-Lite
40009	100	270	0.3	56	250 - 9000PL	-	300PL
40010	125L	370	0.3	60	333	-	300PL
40011	150	460	0.3	60	-	-	425S
40012	150L	800	0.6	130	366 - 350	W/50	800
40013	200	830	0.6	130	366 - 350	W/50	800
40014	250	840	0.6	127	366 - 350	W/50	800



Can-Fan RS

economic inline tube fan

Can Fan RS metal tube fan, is an economic backward centrifugal extractor, using a resistant, maintenance free metal housing.

The extractor is voltage controllable and as a protection for the motor, it is equipped with a thermal switch, that turns off the motor in case of overheating.

Code	Product	Capacity(m3/h)	Amps	Watts	Compatible Filters		
					Can Original	38 Special	Can-Lite
40001	100	200	0.3	54	9000PL - 2600PL	-	150PL
40002	100L	250	0.3	68	9000PL	-	-
40003	125	300	0.3	55	250	-	300PL
40004	125L	340	0.3	67	-	-	300PL
40005	150	470	0.3	67	-	-	425S
40006	150L	630	0.4	93	-	-	600
40007	200	810	0.5	100	366 - 350	W/50	800
40008	250	890	0.5	100	350	W/50	800



Can-Fan RK(L)S

economic inline tube fan

Can Fan RKLS is an economic backward centrifugal extractor, using a resistant, maintenance free plastic housing.

The extractor uses a 4 speed motor with speed switch integrated, so it is not voltage controllable. As a protection for the motor, it is equipped with a thermal switch, that turns off the motor in case of overheating.

Code	Product	Amps	Watts	Capacity (m3/h)				Compatible Filters		
				1	2	3	4	Can Original	38 Special	Can-Lite
06167	100LS	0.3	56	270	210	190	170	250 - 9000PL	-	300PL
36295	125LS	0.3	60	370	335	300	265	333	-	300PL
06168	150S	0.3	60	460	420	390	355	-	-	425S
36296	150LS	0.6	130	800	740	680	540	366 - 350	W/50	800
06169	200S	0.6	130	830	790	750	635	366 - 350	W/50	800
06170	250S	0.6	127	840	800	760	670	366 - 350	W/50	800



Can-Lite

compact high quality odour removal

The Can-Lite has been developed with ease of installation, durability and effectiveness in mind.

The can-Lite is manufactured using the same proven packed bed design as the original Can-Filter but utilizes high quality virgin activated Australian RC light weight granular carbon.

Airflows start at 150m³/hr and includes filters all the way up to an impressive 4500m³/hr.

The recommended lifespan of these filters is 18 months depending on humidity and odour concentration in the room.

The larger filters are a compact 1metre long so they do not take up precious room in your growing area and are light enough to hang from standard 48kg hangers.

Code	Product	Material	Carbon	Length	Weight (kg)	Diameter	Capacity(m ³ /h)	Flange
04501	Can-Lite 4500	Steel	Lite	1000	36.5	500	4500	355
A4053	Can-Lite 4500	Steel	Lite	1000	36.5	500	4500	315
05100	Can-Lite 3500	Steel	Lite	1000	33.5	450	3500	355
02561	Can-Lite 3500	Steel	Lite	1000	33.5	450	3500	315
05792	Can-Lite 3500	Steel	Lite	1000	33.5	450	3500	250
02562	Can-Lite 3000	Steel	Lite	1000	26	400	3000	315
03098	Can-Lite 3000	Steel	Lite	1000	26	400	3000	250
06128	Can-Lite 2500	Steel	Lite	1000	23	350	2500	315
02563	Can-Lite 2500	Steel	Lite	1000	23	350	2500	250
02564	Can-Lite 2000	Steel	Lite	1000	19	300	2000	250
36281	Can-Lite 2000	Steel	Lite	1000	19	300	2000	200
03100	Can-Lite 1500	Steel	Lite	750	15.5	300	1500	250
02565	Can-Lite 1500	Steel	Lite	750	15.5	300	1500	200
03099	Can-Lite 1000	Steel	Lite	500	11	300	1000	250
02566	Can-Lite 1000	Steel	Lite	500	11	300	1000	200
36283	Can-Lite 800	Steel	Lite	330	5	300	800	250
03064	Can-Lite 800	Steel	Lite	330	5	300	800	200
06151	Can-Lite 800	Steel	Lite	330	5	300	800	150
02689	Can-Lite 600	Steel	Lite	475	4	200	600	150
00690	Can-Lite 425	Steel	Lite	350	4	200	425	150
02691	Can-Lite 425PL*	Plastic	Lite	600	2.2	145	425	125/100
02692	Can-Lite 300PL*	Plastic	Lite	450	1.8	145	300	125/100
02693	Can-Lite 150PL*	Plastic	Lite	250	1.2	145	150	125/100

Dimension - mm

* Flanges must be bought for these filters. See page 132

Can-Original

long life quality odour removal

The Original CAN-Filter is designed for the control of odours and other gaseous contaminants.

Built with a proven packed bed design and pelletized virgin activated carbon, this line of time tested air filters sets the standard for long life, consistent performance and low pressure drop.

Rated at a conservative 0.1 second contact time, the Original CAN-Filter provides excellent value and confidence.



Code	Product	Material	Carbon	Length	Weight (kg)	Diameter	Capacity(m³h)	Flange
05052	Can 150	Steel	Pelletized	1500	75	400	2100	315
05350	Can 150	Steel	Pelletized	1500	75	400	2100	250
40015	Can 150	Steel	Pelletized	1500	75	400	2100	200
00428	Can 125	Steel	Pelletized	1250	61	400	1700	315
04663	Can 125	Steel	Pelletized	1250	61	400	1700	250
40016	Can 125	Steel	Pelletized	1250	61	400	1700	200
00427	Can 100	Steel	Pelletized	1000	50	400	1400	315
04523	Can 100	Steel	Pelletized	1000	50	400	1400	250
36284	Can 100	Steel	Pelletized	1000	50	400	1400	200
02534	Can 375	Steel	Pelletized	750	39	400	1000	315
00426	Can 375	Steel	Pelletized	750	39	400	1000	250
05793	Can 375	Steel	Pelletized	750	39	400	1000	200
40017	Can 350	Steel	Pelletized	500	27	400	713	315
40018	Can 350	Steel	Pelletized	500	27	400	713	250
36289	Can 350	Steel	Pelletized	500	27	400	713	200
00425	Can 366	Steel	Pelletized	660	21	300	700	200
02533	Can 366	Steel	Pelletized	660	21	300	700	150
40019	Can 333	Steel	Pelletized	330	11	300	350	200
02055	Can 333	Steel	Pelletized	330	11	300	350	150
40020	Can 250	Steel	Pelletized	350	6	200	250	125
04448	Can 9000PL*	Plastic	Pelletized	600	3.8	145	200	125/100*
04890	Can 2600	Steel	Pelletized	450	2.8	145	156	125
01430	Can 2600PL*	Plastic	Pelletized	450	2.8	145	156	125/100*
01897	Can 1500PL*	Plastic	Pelletized	250	1.8	145	75	125/100*

Dimension - mm Weight - Kg

* Flanges must be bought for these filters. See page 132



Can In-Line Carbon Filter

in-line odour removal

CAN Inline Carbon Filters are made from Can's lightweight, high grade carbon and are designed to fit directly into inline in runs of ducting, rather than at the point of extraction.

They use the lightweight version of CAN Filter carbon that will last for around 18 months (CAN have a lightweight type and a pelletized type – the pelletized type lasts longer but is significantly heavier).

Some growers use them as a belt and braces secondary filter, but as long as you match them with the correct fan and airflow, they are fine to use as a primary filter. As the carbon used is Can's lightweight type, they will not affect the airflow too much.



Code	Product	Material	Carbon	Length	Weight (kg)	Diameter	Capacity(m³h)	Flange
05136	Inline 3000	Steel	Lite	1265	40.5	465	3000	315
05134	Inline 2500	Steel	Lite	1265	34.5	415	2500	250
05135	Inline 2500	Steel	Lite	1265	34.5	415	2500	315
05132	Inline 1500	Steel	Lite	1025	24	365	1500	200
05133	Inline 1500	Steel	Lite	1025	24	365	1500	250
05130	Inline 1000	Steel	Lite	775	17	365	1000	200
05131	Inline 1000	Steel	Lite	775	17	365	1000	250
36258	Inline 600	Steel	Lite	605	10	315	600	125
05129	Inline 600	Steel	Lite	605	10	315	600	150
40024	Inline 425	Steel	Lite	870	7.5	300	425	100
40023	Inline 425	Steel	Lite	870	7.5	300	425	125
36262	Inline 300	Steel	Lite	720	7	300	300	100
36261	Inline 300	Steel	Lite	720	7	300	300	125

Dimension - mm

Can Silencers

maximum attenuation

When silence is a must you can't go far wrong with these Can-Filter Silencers. They have been carefully tested and approved for use with most extractor fans.

Can Flanges

spare flanges

The plastic flanges (100/125) install via an easy snap on, tool free, connection forming a perfect seal with Can-Filters products.

Use with the Original and Lite plastic filters.

Can Plastic Flange 100mm **02695** 125mm **02694**

Code	Product	Material	Length	Diameter	Flange
05674	Silencer	Steel	1000	380	250
05367	Silencer	Steel	1000	380	315
36278	Silencer	Steel	450	180	100
36277	Silencer	Steel	450	180	125
05368	Silencer	Steel	450	300	150
36272	Silencer	Steel	450	300	200
05369	Silencer	Steel	500	380	200
36269	Silencer	Steel	500	380	250
05673	Silencer	Steel	500	380	315
05366	Silencer	Steel	500	500	315
05887	Silencer	Steel	500	500	355

Dimension - mm

Can 38 Special Carbon Filter

budget original filter

The Activated Lite Carbon we use called CKG 48, is only provided by our long-term trustworthy partners.

The feature that makes Lite carbon so effective in filtering the air, is the micro-meso pores structure, that is perfectly adapted to its use.



Code	Product	Material	Carbon	Length	Weight (kg)	Diameter	Capacity(m³h)	Flange
40026	38 Special 150	Steel	Lite	1500	62	380	2100	200
36290	38 Special 150	Steel	Lite	1500	62	380	2100	250
40027	38 Special 150	Steel	Lite	1500	62	380	2100	315
40028	38 Special 125	Steel	Lite	1250	53	380	1700	200
36291	38 Special 125	Steel	Lite	1250	53	380	1700	250
40029	38 Special 125	Steel	Lite	1250	53	380	1700	315
40030	38 Special 100	Steel	Lite	1000	41	380	1400	200
05970	38 Special 100	Steel	Lite	1000	41	380	1400	250
40031	38 Special 100	Steel	Lite	1000	41	380	1400	315
40032	38 Special 75	Steel	Lite	750	27	380	1000	200
36293	38 Special 75	Steel	Lite	750	27	380	1000	250
40033	38 Special 75	Steel	Lite	750	27	380	1000	315
40034	38 Special 50	Steel	Lite	500	23	380	713	200
36294	38 Special 50	Steel	Lite	500	23	380	713	250
40035	38 Special 50	Steel	Lite	500	23	380	713	315

Dimension - mm

Can Carbon Pre-Filter

spare pre filter covers

Very low air resistance, easily changed. MERV-5 mesh blocks pollen, dust, and other particulate from entering filter. Available in sizes for all filters.

A clean Can-Filters Pre-Filter is an excellent way of extending the working life of your Can-Filter.



Code	Product	Code	Product
05021	Pre-Filter for Can-Lite 4500m3 Carbon Filter	05022	Pre-Filter for Can-Lite 3500m3 Carbon Filter
05023	Pre-Filter for Can-Lite 2500m3 Carbon Filter	05089	Pre-Filter for Can-Lite 3000m3 Carbon Filter
05090	Pre-Filter for Can-Lite 2000m3 Carbon Filter	05091	Pre-Filter for Can-Lite 1500m3 Carbon Filter
05092	Pre-Filter for Can-Lite 1000m3 Carbon Filter	05093	Pre-Filter for Can-Lite 800m3 Carbon Filter
05094	Pre-Filter for Can-Lite 600m3 Carbon Filter	05095	Pre-Filter for Can-Lite 425Sm3 Carbon Filter
05096	Pre-Filter for Can-Lite 425m3 Carbon Filter	05097	Pre-Filter for Can-Lite 300m3 Carbon Filter
05098	Pre-Filter for Can-Lite 150m3 Carbon Filter	05265	Pre-Filter for CAN 100bft



GORILLABOX Acoustic Fan

torin motor fans

The **GORILLABOX** acoustic box fan is one of the quietest and most compact on the market. It contains a high-quality UK manufactured Torin Sifan squirrel cage fan (unlike many budget box fans that use significantly cheaper/louder Chinese motors) lined with 12mm superior soundproof acoustic foam.

The internal Motor is mounted within the Fan and is attached to the casing with lock/tight anti-vibration nuts. Housing the fan in an 18mm MDF box means it is cheaper than its metal counterpart and the superior construction makes it air tight and quiet running for the amount of air moved.

Code	Product	Flow Rate (m³/h)	Sound Pressure Level (dB)	Inlet	Outlet	Weight (Kg)	Length	Width	Height	Amps	Watts
04654	150	750	44	single	single	9	330	330	330	0.9	59
04651	150	1000	53.2	single	single	26	470	470	470	1.1	73
04924	150	1500	62.1	single	single	16	390	390	420	1.6	147
05087	200	750	44	single	single	9	330	330	330	0.9	59
04649	200	1000	53.2	single	single	16	370	410	440	1.1	73
04644	200	1500	62.1	single	single	23	400	400	400	1.6	147
04646	200	2500	64.2	single	single	26	470	470	470	2.5	245
B4023	200	3250	72.5	single	single	34	540	540	540	5.5	373
04734	200	3250	72.5	twin	single	34	540	540	540	5.5	373
05593	250	1000	53.2	single	single	34	540	540	540	1.1	73

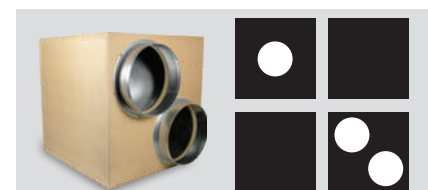
Dimension - mm

The fans listed are our most popular sizes that we sell, however if you require something NOT LISTED please contact the sales office.

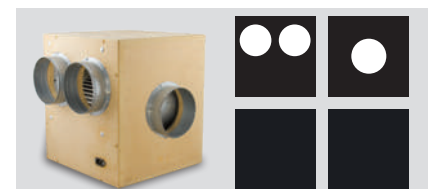
The **GORILLABOX** acoustic box fan can be CUSTOMISED in many ways from motor sizes to multiple inlets/outlets of many sizes, from straight through design to 90-degree (right angle) inputs/outputs and is able to have adjustable flow rates using the **GORILLABOX** or other proprietary speed controllers.

The **GORILLABOX** Fans all have glued and screwed MDF panels. The flanges are all pre-mounted with a bead of silicone sealant which is used to create a seal against the MDF to ensure peak permanence with no air leaks.

GorillaBox fan speed controller see page 137



GorillaBox Fan 250 twin 10" inlet / single 12" outlet



GorillaBox Fan Custom twin 6" inlet / single 6" outlet

Code	Product	Flow Rate (m³/h)	Sound Pressure Level (dB)	Inlet	Outlet	Weight (Kg)	Length	Width	Height	Amps	Watts
04647	250	1500	62.1	single	single	26	470	470	470	1.6	147
04643	250	2500	64.2	single	single	26	470	470	470	2.5	245
04645	250	3250	72.5	single	single	34	540	540	540	2.5	245
40036	250	3250	72.5	twin	single	34	540	540	540	5.5	373
04669	250	4250	66.2	single	single	34	540	540	540	6	550
04652	250	4250	66.2	twin	single	-	-	-	-	6	550
04655	315	2500	64.2	single	single	26	470	470	470	2.5	245
04648	315	3250	72.5	single	single	34	540	540	540	5.5	373
04653	315	4250	66.2	single	single	34	540	540	540	6	550
04657	315	4250	66.2	twin	single	-	-	-	-	6	550

GARDEN
HIGHPRO

TT Extractor Fan

2 speed, max power

The Garden HIGHPRO ProFan TT Max is an extremely reliable two speed motor made of 100% copper, designed for greater efficiency and low noise can be used as a grow room extractor fan or a grow room intake fan.

Each fan is wired with a 3 pin UK plug and 2M cable and features an external switch for changing the fan speed between min and max can be used as a intake fan or extraction fan.

Product	Speed (r/min)		Air Flow (m³/h)		Power (w)	
	Speed 1	Speed 2	Speed 1	Speed 2	Speed 1	Speed 2
TT 100	2.180	2.385	145	187	21	33
TT 125	1.950	2.455	220	280	23	37
TT 150	1.680	2.460	405	520	30	60

Garden HIGHPRO TT 100 05406 125 05407 150 05408

Pro Fan

axial inline fan

The garden HIGHPRO ProFan is a compact budget fan ideal for incoming air in smaller grow tents.

The 100% copper wound motor ensures the fan runs at optimum efficiency.

Product	Speed (r/min)	Air Flow (m³/h)	Power (w)
Inline 125	2.400	190	20
Inline 100	2.300	107	15
Inline 150	2.400	305	30

Garden HIGHPRO Inline 100 04565 125 04566 150 04567



Extractor Kit

entry level fan/filter kit

The Garden Highpro extractor kit comes in three sizes and is designed to be used as a budget ventilation kit for smaller tents.

The fan is the garden highpro profan TT Max, the filter is a proactive carbon filter, lightweight and compact, it is made from coconut activated carbon and is matched to the air volume produces by the fan.

The free-flowing design of the filters enables them to be fitted to the fans with very little change in flow rates.

The complete kit comes in its own branded box and included inside is a fan, 5m aluminium ducting and two jubilee clips.

Available in the following sizes: 100, 125 and 150mm.

Garden HIGHPRO Extractor Kit 100mm 36008 125mm 36009 150mm 36010



MK2 Hybrid Pro Fan Speed Controller the most popular hybrid model just got an upgrade

The Hybrid Controller MK2 uses a software-based technology, combined with a 5-step mechanical system for speed control of the ventilation system. It is designed to maintain a constant temperature, and to keep the air flow under control at all times.

The presence of a heavy duty 5 step transformer makes the Hybrid Controller MK2 the most reliable and silent controller on the market that guarantees no buzzing or humming from your fans even at the lowest speeds.

In addition, the MK2 software on the Hybrid Controller will also keep humidity in your room under control during the dark cycle – when it matters the most!

MK2 Twin Fan Controller/ Slave easy environment control

The SMSCOM Twin Fan Controller 4.5amp Mk2 controller represents a real step forward in automatic temperature control.

Unlike other controllers that simply shunt fans from idle to full speed after the temperature is exceeded, the Twin Controller automatically calculates the exact running speed for your fans to maintain the temperature you set.

This new method provides more accurate temperature control, limits fan noise and guarantees negative pressure inside the room. Simply plug in your fans set the temperature and the Pro Twin Controller will take care of the rest.

The SMS MK2 twin controller slave will daisy chain to your Mk2 controller Pro enabling multiple in and out fans from the same control unit.

MK2 Twin Fan Controller Pro expandable environment control

The Twin Controller Pro is software controlled with MOTION FLOW. Therefore, it reacts completely differently to the usual controllers.

The Twin Controller Pro makes an evaluation for the gradual increase or decrease of your fans.

By altering the fan speed the controller will automatically find the appropriate ventilation level at which the programmed temperature is maintained.

This new technique means no more temperature fluctuations and fan noise is kept to a minimum.

In addition, the PRO software on the Twin Controller Pro will also keep humidity in your room under control during the dark cycle – when it matters the most!

MK2 Smart Fan Controller 6.5A single fan environment control

The SMSCOM Smart Controller for single grow room fan, distinguishes itself from other types of controllers by using software. This technology has only ever been seen in the Twin Controller 4.5amp but is now available in a unit designed to control a single fan.

The Smart Controller will automatically find the correct running speed of your fan so a constant temperature is maintained.

This new technology ensures more accurate temperature control, less fan noise and longer life of your fan.

The Smart Controller is plug and play so no wiring is needed, just plug in your fan, set the desired temperature and the software inside the Smart Controller will calculate the correct running speed of your fan to accurately maintain your temperature.

Can-Fan Digital EC Fan Controller

full feature environmental control

Can Fan introduces LCD EC Fan Controller, an advanced climate controller with LCD Screen, that allows you set temperature and humidity, besides other interesting functions like hysteresis, negative pressure, maximum and minimum speed of CAN Fan EC extractors.

The Can Fan EC Controller works only in conjunction with Can Fan EC extractors, built with most modern technology, being more energetically efficient, and guaranteeing more power and less electrical consumption.

- Temperature day
- Temperature hysteresis day
- Humidity day
- Humidity hysteresis day
- Minimum speed day
- Maximum speed day
- Temperature night
- Temperature hysteresis night
- Humidity night
- Humidity hysteresis night
- Minimum speed night
- Maximum speed night
- Negative pressure setting
- Switch sensor level
- Switch over time day/night

Can-Fan Digital EC Fan Controller **05171**

EcoTechnics Evolution Digital Fan Speed Controller

digital fan speed controller

The Evolution Digital Fan Speed Controller monitors temperature and also humidity within your grow room and constantly adjusts the speed of your extraction and intake fans to maintain optimal growing and flowering conditions.

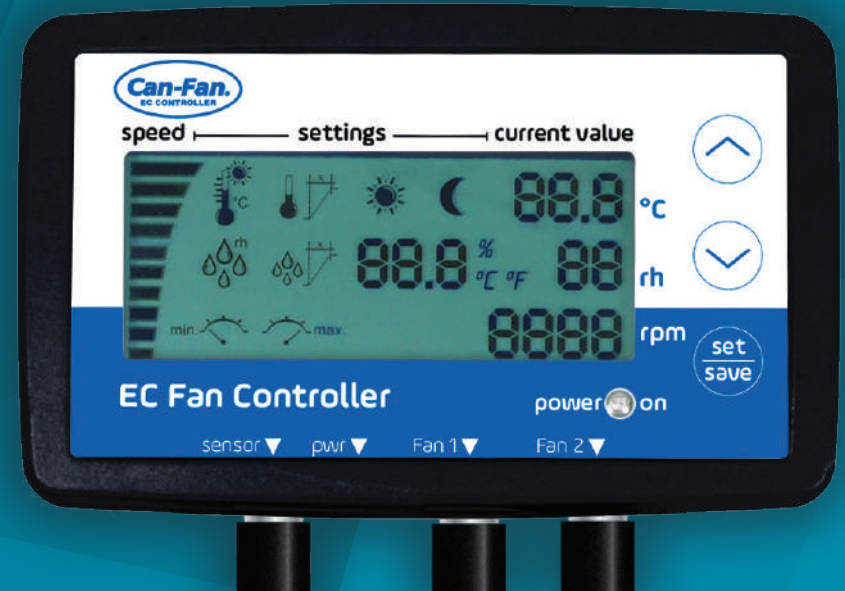
The unit also controls a grow room heater and is compatible with the Ecotechnics Evolution CO2 controller.

This controller can control multiple fans through each channel up to a combined load of 6 amps (per channel). The heater output will control loads up to 3kW making it compatible with most fan heaters and all solenoid controlled gas heaters.

The Evolution is a more expensive unit than some other options but has superior features and technology so the extra outlay is easily justified for those wishing to have maximum control over their environmental variables.

- Supplied with comprehensive instructions.
- Fully Programmable
- Temperature control
- Humidity control
- Heater control (3Kw)
- Advanced control algorithm
- Massive 12 amp total fan load
- Live display of temperature/humidity
- Max fan speed control
- Min fan speed control
- Full 3 year warranty
- Temp/humidity sensor
- Interface to Evolution CO2 Controller

EcoTechnics Evolution Digital Fan Speed Controller **01386**



Control Freak Intelligent Fan Controller

temperature driven speed control

The Control Freak Intelligent Fan Controller could not be easier to use, with its 'Plug & Play' design and two modes of operation.

You can use it as a manual fan speed controller or use an additional 5m temperature probe to operate the unit as a fully automatic speed controller.

The probe allows you to use a bespoke software system and gives 50 different speed settings to maintain your grow room.

This controller has smooth speed control, giving a more accurate and a quieter operation.

The temperature adjustment when using the probe is highly accurate with an adjustment of $\pm 1^{\circ}\text{C}$.

CONTROL FREAK 5A Intelligent Fan Controller [05868](#)



GorillaBox Fan Speed Controller

fan speed control

A basic speed controller matched to run all GorillaBox fans.

Gorilla Fan Speed Controller [05847](#)



Plug In Fan Controller

fan speed control

Plug In Fan Controller cheap & effective way of controlling your intake or outtake fan.

Variable adjustment.

Plug In Fan Controller [02952](#)

Control Freak Dynamic Frequency Fan Controller

the most popular hybrid model just got an upgrade

Cut energy costs & prolong the life of fans without any buzzing! Get your hands on a Control Freak!

It's a real smooth operator! It won't clip or distort your wave form like other AC fan controllers – it changes your frequency.

This means fans last longer, you save energy and there's no noise – not even buzzing – it's freaky!

It's easy to reach and stay within your target temperature – there are 90 fan speeds settings (from 10 – 100%)! Your fan will move through speeds smoothly.

For complete control, you can change your bandwidth (hysteresis). Set a tight bandwidth for precise temperature control. Or set a loose bandwidth for a smoother speed.

You use far less power at a slower speed – your power use drops by as much as your fan speed.

Control Freak Frequency Controller 3A [06079](#) 7A [06080](#) 13A [06081](#)

So when running fans 50% slower, you use 50% less power. Most fan controllers use way more power than this!

You get 90 speeds from 10% – 100%! It's easier to reach your target temperature and fans run smoothly!

Your controller has two sockets. Use it to run an extractor fan and intake fan from one controller. You can even use an extension lead for multiple intake fans. Just make sure you stay within the amp rating!

Your bandwidth is how much your temperature can rise above your minimum.

Use a tight bandwidth to keep your temperature closer to your target. Or set a wider bandwidth to keep your fans moving smoothly.





Garden HIGHPRO ProFan standard 15cm clip fan

Fixed position clip fan with 100% copper ac motor for longer life. 2 speed operation with a strong clip for mounting stability.

Available in both 15w and 5w variants.

Profan Standard Clip Fan 5w [03070](#) 15w [04796](#)



Garden HIGHPRO ProFan premium 20cm clip fan

Fixed position clip fan incorporating a direct drive magnetic motor. Low power 7.5w motor means this fan is quiet, lighter and more stable.

Strong clip for mounting in many positions.

Profan Premium Clip Fan 20cm [04564](#)



Floor Fan powerful uplift floor fan

The fan can be tilted for a perfectly directed breeze. The cage can be tilted around the horizontal axis so that it is pointing in the desired direction, no matter what direction a cool breeze is needed. Available in sizes from 225mm to 500mm.

Garden HIGHPRO Floor Fan 10" [04928](#) 14" [04560](#) 16" [04561](#) 18" [04562](#) 20" [04563](#) Highlight Floor Fan 12" [05398](#) 18" [05985](#)

Secret Jardin Monkey Fan pole mounted clip fan

This 15cm/6 inch Fan has been built specifically for use in grow tents and rooms.

Equipped with a standard fan clip or a pole mounting system for easy fixing to grow tents.

The fan blades measure 15cm with the entire body measuring 20cm, making this clip fan ideal for moving air without taking up needed space. Fan blades are enclosed with a metal grid small enough that fingers cannot access.

The main difference with these fans is the attachment, the Monkey Fan pivots from a rubber mount which ensures a non-slip attachment to grow tent poles. There's a metal hook which connects the fan to your grow tent pole.

The Monkey Fan was designed for use in tents with poles measuring 16-21mm but with a little hook bending this can be used in tents with 25mm poles. A 13w motor ensures the fan runs quietly and reliably without hugely increasing electrical spend.

Monkey Fan 13w [05468](#) 16w [05840](#) 20w OSC [05502](#) 30w [05519](#)



Highlight 16" Oscillating Wall Mounted Fan

With whisper quiet operation and 3 speed settings, this oscillating wall mounted fan from Highlight is ideal for moving air around your grow room while reducing the floor space required.

Highlight 16" Wall Mounted Fan no remote [04731](#) remote [05088](#)



Highlight 12" Rotating Box Fan

Highlight 30cm box fan is very practical thanks to its thinness, the Box Fan fan can be deployed in small spaces.

This fan is equipped with a rotating grill to allow a large air diffusion.

Highlight 12" Rotating Box Fan [05164](#)



Highlight 16" Oscillating Pedestal Fan

A sturdy yet portable pedestal fan. Featuring a 16 inch head, the fan has 3 speed settings and is height adjustable to help you set the perfect level and intensity of coolness. What makes this model especially unusual is its unique oscillating option which can move 120 degrees side-to-side.

Highlight 16" Oscillating Pedestal Fan [05356](#)



Ultra Silent Acoustic Ducting

Ultra Silent Acoustic Ducting is super silent, and super effective – helping to reduce any noise produced by your extraction system.

It's time to ditch your old ducting and get some Ultra Silent to help keep your grow room whisper quiet.

Ultra Silent Acoustic Ducting 10m 100mm [05786](#) 125mm [05787](#) 150mm [05788](#) 200mm [05789](#) 250mm [05790](#) 315mm [05791](#)
Ultra Silent Acoustic Ducting 5m 100mm [05859](#) 125mm [05860](#) 150mm [05861](#) 200mm [05862](#) 250mm [05863](#) 315mm [5864](#)



Acoustic Ducting

A high quality, flexible aluminium ducting with a perforated inner layer and an acoustically transparent plastic layer to encapsulate the fibreglass.

The noise reducing insulation limits break-out noise from the duct and acts as a fan silencer. For best results use on both the input and output sides of your extractor fan.

Acoustic Ducting 10m 100mm [02402](#) 125mm [02403](#) 150mm [00887](#) 200mm [00888](#) 250mm [00933](#) 315mm [01028](#)
Acoustic Ducting 5m 100mm [02954](#) 125mm [02953](#) 150mm [02775](#) 200mm [02776](#) 250mm [02933](#) 315mm [02934](#)



Combi Ducting

Combi flexible ducting is manufactured using a P.V.C. Outer coating and aluminium inner layer with a high tensile steel wire helix.

Fully flexible and capable of handling high pressures and temperatures of up to 140 degrees Celsius, combi ducting is a great and cost effective choice for the movement of air.

Combi Ducting 10m 100mm [02057](#) 125mm [02058](#) 150mm [02025](#) 200mm [02026](#) 250mm [02027](#) 315mm [02059](#)



Aluminium Foil Ducting

Aluminium flexible ducting is made from three layers over a wire coil, two aluminium and one plastic.

The cheapest way to move air through confined spaces.

Aluminium Ducting 10m 100mm [00584](#) 125mm [01467](#) 150mm [00585](#) 200mm [00586](#) 250mm [00587](#) 315mm [00588](#)
Aluminium Ducting 5m 100mm [02767](#) 125mm [05828](#) 150mm [05124](#) 200mm [02770](#) 315mm [02956](#)



Aluminium Foil Tape

A very reflective long lasting aluminium adhesive tape. The tape is waterproof, tough and has a strong bond with chemical resistance.

It adheres well in higher temperature and humidity situations.

Aluminium Foil Tape 50mm x 45m [03060](#)



Silver X Weave Tape

A The tape is a bright aluminium foil tape reinforced with 5 mm² glass scrim for supreme strength and tear resistance.

The tape is coated with a high tack rubber/resin adhesive system. The reinforced foil improves mechanical damage resistance and is ideal for matching the foil finish on mylar.

Silver X Weave Tape 75mm x 45m [01538](#)



Duct Tape

A strong, very tough, waterproof, cloth tape, that can still be torn cleanly by hand.

It is suitable for both indoor and outdoor use makes our Silver Gaffer tape an extremely popular choice.

Duct Tape 48mm x 50m [05518](#) 70mm x 45m [05517](#)



Pro-Swirl Air Diffuser

The Pro-swirl air diffuser is used in conjunction with a hanging fan to de-stratify the air in a room producing a more even spread of temperatures.

It can also be used on the end of your supply air ducts to reduce cold spots in winter.

Available from 100mm to 315mm.

Pro-Swirl Air Diffuser 100mm [06029](#) 125mm [06030](#) 150mm [06031](#) 200mm [06032](#) 250mm [06033](#) 315mm [06034](#)



Fast Clamp

Fast Clamp 100mm [02258](#) 125mm [02259](#) 150mm [02260](#)
200mm [02261](#) 250mm [02262](#) 315mm [02263](#)



Flexi Duct Connector

Flexi Duct Connector Male 100mm [02439](#) 125mm [02440](#)
150mm [02441](#) 200mm [02442](#) 250mm [02443](#) 315mm [02444](#)
Flexi Duct Connector Female 100mm [06188](#) 125mm [06189](#)
150mm [05820](#) 200mm [05796](#) 250mm [05797](#) 315mm [05798](#)



Reducer

Metal Reducer 125-100mm [01896](#) 150-100mm [02512](#)
150-125mm [01720](#) 200-100mm [02421](#) 200-125mm [02513](#)
200-150mm [01459](#) 250-150mm [02572](#) 250-200mm [01719](#)
315-200mm [02422](#) 315-250mm [02056](#) 355-315mm [35989](#) Plastic
Reducer 125-100mm [02251](#) 150-100mm [06041](#) 150-125mm [02253](#)



Metal 90° Bend

Metal 90° Bend 100mm [02866](#) 125mm [02867](#) 150mm [02868](#)
200mm [02869](#) 250mm [02870](#) 315mm [02871](#)



Metal 45° Bend

Metal 45° Bend 100mm [02872](#) 125mm [02873](#) 150mm [02874](#)
200mm [02875](#) 250mm [02876](#) 315mm [02877](#)



Equal T Piece

Equal T Piece 100mm [01293](#) 125mm [02424](#) 150mm [01294](#)
200mm [01295](#) 250mm [01296](#) 315mm [01297](#)



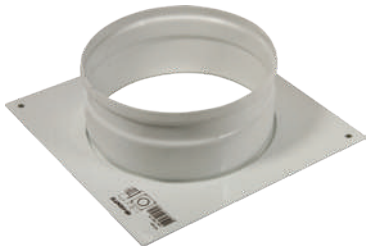
Y Piece Duct Splitter

Y Piece Duct Splitter 150mm-125mm [05179](#) 200mm-150mm [05182](#)
250mm-200mm [05181](#) 315mm-250mm [01280](#)



Equal Y Section

Equal Y Section 100mm [02425](#) 125mm [02426](#) 150mm [02532](#)
200mm [02044](#) 250mm [02045](#) 315mm [02250](#)



Metal Wall Plate Flange

Metal Wall Plate Flange 100mm [04826](#) 125mm [04827](#)
150mm [04828](#) 200mm [04829](#) 250mm [04830](#) 315mm [04831](#)



Metal Wall Flange

Metal Wall Flange 100mm [02878](#) 125mm [02878](#) 150mm [02447](#)
200mm [02880](#) 250mm [02881](#) 315mm [02882](#)



Backdraft Shutter

Backdraft Shutter 100mm [04488](#) 125mm [04489](#) 150mm [04490](#)
200mm [04491](#) 250mm [04492](#) 315mm [04493](#)



Jubilee Clip

Jubilee Clip 4" To 8" [02711](#) 4" To 12" [02712](#)





142155

E

environment



HR15 & HR50 Humidifier

controllable humidification

More often than not you will find that plants prefer growing in humid conditions.

HR15

The HR50 humidifier is perfect for controlling humidity in larger grow rooms with 10-15 lights and up to 150m². Ideally It should be used with RO water to prevent calcium deposits in your room and within your carbon filter.

HR50

The HR15 humidifier is perfect for controlling humidity in smaller grow rooms with 4-6 lights and up to 30 m². Ideally It should be used with RO water to prevent calcium deposits in your room and within your carbon filter.



HR15 & HR50 Kits

The HR humidification kit comes complete with a 100lt space saver tank, an inline 13mm to 6mm filter, a metre of 13mm and 6mm pipe and either an analogue or digital humidistat.

The Centrifugal Humidification Systems are ideal for indoor growing. Not only will it help you to ensure an optimum level of relative humidity (50-75%) in your grow room.

HR15

• 1500cc per hour • Coverage 15m² - 30m² • 4-6 lights • Size 31 x 31 x 47cm

HR50

• 2500cc - 4000cc per hour • Coverage 100m² - 150m² • 10 - 15 lights • Size 37 x 37 x 48cm

Available with digital or analogue humidistat.



Garden Highpro Humipro

cool fog generator

Garden High Pro humidifier HumiPro. Simple operation thanks to a clear LED panel.

Equipped with a twin nozzle with 360 degree rotation. Capacity 4 liters. HumiPro, 4L ultrasound humidifier with automatic power control and remote control capability.

The double nozzle rotates within a 360 degree range. If you set the humidity to 70% and this value is exceeded, the humidifier will reduce its output until the humidity is 70%. Independent operation 24 hours.



CO₂ Bucket

you release the CO₂ when you need it

The Nature Organic CO₂ Generator is created of 100% organic raw material that doubles the amount of CO₂ in your grow room up to 12 hours a day.

We work exclusively with organic waste from the agricultural sector; wood, straw, hay and various grains. Through its unique tested formula of organic bio-mass and expanded bacteria, you can always be confident of a high CO₂ level +/- 700ppm (Part Per Million).

The silent air pump is included and simple to install.

Compared to other CO₂ buckets the ppm level of the Nature2 CO₂ Bucket will be constant and will not dry out, because of the organic compiled tested formula.

The weight of the Nature2 CO₂ Bucket explains the constant ppm that is promised.



ExHale Original CO₂ Bag

the original CO₂ bag

The Exhale CO₂ bag cultivates carbon dioxide 24 hours a day with no need to refill bottles or use expensive production units. Maintenance Free: No heat, No electricity, Just CO₂.

A continuous shower of carbon dioxide directly onto your plants is the most efficient way to deliver CO₂. Placing the bag slightly above the level of your plants will insure they receive the carbon dioxide they need.

The regular sized Exhale CO₂ bag is designed for small to medium grow spaces, or more specifically 1 bag will provide 4-6 plants with the CO₂ they need. It can be used for both vegetative plant growth as well as for fruit and flower production.

The ExHale bag also comes in XL size for larger growing areas.



EcoTechnics Evolution CO₂ Controller

next generation technology, today

This Controller is the most advanced of its kind and has more features and functionality than any other product on the market. It can be used either with or without the Evolution Carbon Dioxide Sensor and can be interfaced to an external thermostat / hygro stat providing a cheap entry level system with an easy & affordable upgrade path in the future.

This unit is also compatible with the Evolution Digital Fan Speed Controller. The Evolution CO₂ Controller monitors CO₂ levels within the grow room and constantly adjusts the amount of CO₂ to maintain ideal conditions for optimal plant growth.

The Evolution controller utilizes the latest micro-processor and infra-red technology to monitor & control the levels of carbon dioxide in your growing area.

The controller can operate with or without the Evolution Solid State NDIR CO₂ sensor; this controller can also be used with either bottled CO₂ gas or with a propane or natural gas burning CO₂ generator, in addition to this the Evolution controller can be interfaced to most external thermo/hygrostats for improved environmental control.

Evolution CO₂ Controller Complete 05778

EcoTechnics Evolution PPM Controller

monitor, control and supplement your CO₂ supply with the ecotechnics evolution ppm controller

Once you've mastered the art of indoor gardening, take the plunge into growing with supplemental CO₂, using the simple yet effective EcoTechnics Evolution PPM Controller.

Both smart and stylish, the EcoTechnics Evolution PPM controller can be attached to either a CO₂ regulator and solenoid valve or a propane gas burner to increase the CO₂ levels in your growing area.

Once your growing room is totally dialed in, CO₂ becomes the limiting factor, so the next logical step is to increase CO₂ levels, boosting your plants' growth rates and maximizing yields beyond anything you've experienced before!



EcoTechnics Gas Regulator

CO₂ gas bottle regulator

The EcoTechnics CO₂ Regulator fits onto a CO₂ gas cylinder, utilizing a solenoid valve to distribute the gas as required. It is initiated and doses according to the user's preference as set on either the EcoTechnics Evolution CO₂ Controller, EcoTechnics UNIS Controller or the EcoTechnics Evolution PPM Controller.

The EcoTechnics CO₂ Regulator ensures that perfect levels of CO₂ are maintained in the grow area at all times, stimulating your plants to grow faster and larger than ever before!

UNIS CO₂ Controller & Regulator Combo

If you've mastered the art of indoor gardening and want to take your grow to the next level, then CO₂ supplementation is for you.

The EcoTechnics UNIS Regulator fits onto a CO₂ cylinder, and its accompanying UNIS Controller can then be set to tell the Regulator to administer doses based on the size of your growing area.

The Regulator can also be used in an array of different combinations with the EcoTechnics Evolution Controller and the EcoTechnics Analyser for the ultimate CO₂ supplementation solution!







HydroLogic®
PURIFICATION SYSTEMS

HydroLogic Purification Systems® specializes in a wide range of professional quality water purification products designed for use in many applications including gardening and hydroponics, residential, aquarium or commercial.

We have the most efficient water purifiers in the industry, saving you time as well as money. From a backyard gardener to a professional coffee roaster, our customers appreciate our cutting-edge technology, simple set-up, affordable pricing and of course, amazing results.

We pride ourselves on being an earth-friendly company and utilize local resources and labour for the majority of our products.

We source as many USA made components as feasible. Many of our systems, like the Evolution-RO™, are completely manufactured in the USA. We incorporate earth friendly, green technologies like our green coconut carbon filter, made from eco-friendly coconut husks rather than traditionally mined carbon.



Evolution-RO™ the most efficient RO system on the planet

The EvolutionRO1000 is a reverse osmosis water filter unit.

It uses water pressure to reverse a natural physical process called osmosis. Water, under pressure, is forced through semi-permeable membrane to filter out minerals and impurities.

Treated drinking water goes through the blue line. Minerals and impurities are sent to the drain with RO waste water through the black line.

The system includes a replaceable carbon pre-filter and 2 membrane elements.

The pre-filter reduces sand, silt, dirt, rust particles, other sediments, chlorine, chloramines, iron and sulfur from the incoming water supply before they enter the RO membrane elements. An optional high capacity pre-filter, the Pre-Evolution, is available to add 2 extra stages of pre-filtration. This will help further reduce the contaminants listed above as well as cut down on filter changes and maintenance of the EvolutionRO1000.

An optional De-Ionization post-filter will remove any remaining PPM of TDS in the water after passing through the RO system.

Evolution RO 36168



micRO-75™ RO Filter® entry level RO system

An economical, entry level, micro-sized, portable reverse osmosis system, 75 gallons per day solution. Includes KDF/carbon filter and 75 GPD membrane. Also comes with garden hose connector, 1/4" shut off valve, and pressure gauge. Features 2:1 drain to product water ratio for maximum efficiency. Check out these exclusive features, nothing else compares at this price:

Replaceable carbon filter: More earth-friendly and affordable to change only the filter not the entire housing.

KDF85 media added into carbon pre-filter: For heavy metal reduction.

USA made: High rejection RO membrane built to American standards.

Metal bracket: Filter is stable on a flat surface or can be wall mounted.

Integrated pressure gauge with safe zones: Easy to monitor

Automatic Shut-off Valve (ASOV): So drain line shuts down when product line is shut down.

External flow restrictor: For 2:1 drain to product water ratios.

micRO 75 RO Filter 36163



Stealth RO 150™

customised reverse osmosis filter

The stealth RO 150 is a customised reverse osmosis water filter that can reduce up to 99% of most contaminants. This system is designed for use with hydroponic or horticultural applications. This system is built to give a maximum amount of flow from the membrane while sending less wastewater to the drain compared to similar RO filters.

It produces up to 150 GPD (US Gallons per day) of ultra-pure low ppm water and removes 98%+ of all contaminants from tap water.

You can choose from a 1:1 or 2:1 waste to product water ratio (both included with unit) and it has a membrane Power Flush Kit now included.

We now have updated packaging for maximum protection at the same great price as previous model!

The #1 selling filter in gardening and hydroponics for 10+ years.

Stealth RO 150™ 36164



Stealth RO 300™

customised reverse osmosis filter

The stealth RO 300 is a customised reverse osmosis water filter that can reduce up to 99% of most contaminants.

This system is designed for use with hydroponic or horticultural applications. This system is built to give a maximum amount of flow from the membrane while sending less wastewater to the drain compared to similar RO filters.

It produces up to 300 GPD (gallons per day) of ultra-pure, low PPM water and removes 98%+ of all contaminants from tap water.

You can choose from a 1:1 or 2:1 waste to product water ratio (both included with unit) and it has a membrane Power Flush Kit now included.

We now have updated packaging for maximum protection at the same great price as previous model!

The #1 selling filter in gardening and hydroponics for 10+ years.

Stealth RO 300™ 36165



TALLBoy™

de-chlorinator and sediment filter

Don't give your plants straight tap water. This filter unit is rated at up to 99% chlorine removal @7.5litres per minute flow and can clean up 90% of sediment particles above 5 microns.

This filter is not designed to lower the electrical conductivity (EC) of your water.

Most of the EC of your tap water is minerals which can only be removed with reverse osmosis.

Having chlorine and sediment free water are essential for growing healthy plants and maintaining beneficial microorganisms, bacteria and fungi in your root zone and growing medium. These microbes cannot survive in the presence of chlorine. Chlorine free water is also essential for organic compost tea brewing and any biogenic growing method.

The filter removes up to 99% of chlorine, 90% of sediment, rust, silt, etc. and volatile organic compounds and particulates down to 5 microns @ 2 GPM and easily produces 120 gallons per hour of clear water and has a filter capacity of 7,500 gallons.

TALLBoy™ 36168



smallBoy®

de-chlorinator and sediment filter

Don't give your plants straight tap water. This filter unit is rated at up to 99% chlorine removal @7.5litres per minute flow and can clean up 90% of sediment particles above 5 microns.

This filter is not designed to lower the electrical conductivity (EC) of your water.

Most of the EC of your tap water is minerals which can only be removed with reverse osmosis.

Having chlorine and sediment free water are essential for growing healthy plants and maintaining beneficial microorganisms, bacteria and fungi in your root zone and growing medium. These microbes cannot survive in the presence of chlorine. Chlorine free water is also essential for organic compost tea brewing and any biogenic growing method.

The filter removes up to 99% of chlorine, 90% of sediment, rust, silt, etc. and volatile organic compounds and particulates down to 5 microns @ 1 GPM and easily produces 60 gallons per hour of clear water and has a filter capacity of 3000 gallons.

smallBoy® 36167

ONA Block

small size, long lasting freshness

ONA Block is ideal for small areas such as closets, foyers, attics, cars, gym bags, boats, kitchens, waste bins, cupboards or vents.

The ONA Block will release its powerful odour neutralising agent and keep the location free from undesirable odours. ONA Block measures 3" x 3" and will fit in most places.

ONA blocks are used in combination with the in-line duct dispenser.

ONA Block 170g Pro **02127** Apple Crumble **03150** Fresh Linen **02125** Polar Crystal **02126** Tropics **05396**



ONA Gel

popular, practical, powerful

ONA gel is the most popular product in the ONA range. Having spent years developing a blend of ONA liquids and various suspension elements to result in a product that has excellent dispersal qualities.

ONA odour neutralising agents are released in a controlled manner so that every drop of product is used.

1lt jar 3.65lt jar 4lt pail 20lt bucket

Available in: Pro, Fresh linen, Polar Crystal, Tropics and Apple Crumble.

ONA Gel 1L **03148**



ONA Liquid

versatile and practical

ONA Liquid is a versatile product and can be used in many different applications.

ONA Liquid can be added to commercial misting systems, humidifiers, or simply sprayed freely into the air to neutralize airborne odours on contact.

ONA Liquid is water based and can easily be diluted for safe and effective washing of odour saturated garments.

ONA Liquid is available in one litre bottle's and four litre jars.

ONA Liquid 1L Fresh Linen **02428** Polar Crystal **02429** 20L Fresh Linen **02994**
ONA Liquid 4lt Pail Fresh Linen **04518** Polar Crystal **05014**



ONA Spray

use it everywhere!

Industrial strength odour control in a personal size!

Do you have smokers in your family? Do you have pets that go everywhere in your house? Do you have an unpleasant garbage area? Would you like the air in your home or office to smell fresh and clean? Then use the ONA Spray!

ONA Spray comes in a convenient 250ml (8 oz) bottle. It is a true odour neutraliser, unlike some store brands that just scent the air.

ONA Spray 250ml Pro **02133** Apple Crumble **03151** Fresh Linen **02132** Tropics **05395**



ONA Mist & Dispenser

24h odour reduction

The ONA Mist Dispenser is a great way to control odours.

It will provide you with 24 hour odour control.

ONA Mist comes conveniently packaged in aerosol cans that fit the dispenser. The cans hold 170g (6oz).

Available in: Pro, Fresh linen, Polar Crystal and Apple Crumble.



ONA Mist 170g Pro **02195** Apple Crumble **04059** Fresh Linen **02193** Polar Crystal **02194** Tropics **05396**
Mist Dispenser **02196**

ONA Breeze Fan

compact, light & efficient

ONA Breeze has been redesigned. It's lighter and uses less power, and now fits on either the ONA Gel Pail or ONA Gel Jar (both four litres and one litre). This makes the ONA Breeze excellent value for the efficient dispersement of ONA Gel scent.

ONA Breeze is designed to be used exclusively with ONA Gel.



ONA Breeze Fan **02134**

ONA Cyclone Fan

maximum dispersal

The ONA cyclone is a cost effective high quality odour distribution system. This portable fan runs very quietly while effectively destroying odours anywhere it's needed. Loaded with a 20lt pail of ONA Gel, it will provide high volume, high capacity odour control in the worst conditions.

Using less power than an incandescent light bulb the ONA Cyclone provides odour control for up to 460m2. Fan speed is controlled by a variable high tech push button switch so you can adjust your airflow to combat odours efficiently.



ONA Cyclone **02601**

ONA in-line Duct Dispenser

ONA odour in your duct

ONA Air dispenser's allow the smell of the ONA block to be mixed with any odours you have in your air duct so ONA can start doing its work.

Just attach to your ventilation system, insert the desired number of ONA blocks and any unwanted odours will be removed from your ducting, quickly, effectively and permanently.



ONA in-line Duct Dispenser 100mm **04031** 125mm **04456** 150mm **02717** 200mm **02718** 250mm **02719** 315mm **02720**



Indizono Ozone Generator

eliminate odour and bacteria

Get to know the most economical way of producing ozone in your air ducts.

The Indizono produces ozone through electrode ceramic plates, which is the most economical way of generating ozone. The amount of ozone is equal to or greater than the current ozonisers lamps, but is about half the price.

Ozone is O₃, i.e. it has an atom more oxygen per molecule than the more stable O₂, giving it a high reactive power to completely remove any odour in the air. It is a disinfectant, fungicide,

bactericide and virulicide as well as deodorant, so it eliminates germs and bacteria in your air ducts.

Now you can completely eliminate odours the carbon filter misses.

Simply fit it in the duct after the fan, ozone reacts with everything it is mixed with so leave at least 5 metres of duct after the Indizono to complete the process.



Spray&Grow Mildew Protection Spray anti fungal spray

Mildew Protection Spray by Spray & Grow is a foliar spray that feeds your plants and counters fungi in a completely natural and biological way.

The combination of several plant extracts, silicon and trace elements will provide protection against several types of fungi.

Using our spray will ensure healthy, green and clean plants. Therefore ensuring an optimised growth and bloom.

With the addition of a foliar nutrient, our spray ensures that plants also get an additional boost. to help the plant recover from fungal infections.



Spray&Grow Spider Mite Protection Spray spider mite control spray

Spider Mite Protection Spray by Spray & Grow is a foliar spray that feeds your plants and helps to protect against spider mites.

Because of its organic composition Spider Mite Protection Spray is completely safe to use in any stage of plant growth.

All our sprays can be used combined with natural spider mite enemies like bees and predatory mites.

Effective against eggs, larvae, and adult stage mites! Spider Mite Protection Spray's proprietary formula includes several plant extracts and salts. The combination of these ingredients provide effective protection against spider mites in all stages.

With the addition of a foliar nutrient, our spray ensures that plants also get an additional boost to help the plant recover from a infestation quicker.



Spray&Grow Thrip Protection Spray thrip control spray

Thrips Protection Spray by Spray & Grow is a foliar spray that feeds your plants and helps to combat thrips infestations biologically. Because of its organic composition Thrips Protection Spray is completely safe to use in any stage of plant growth. Using our spray will ensure healthy, green and clean plants. Therefore ensuring an optimized growth and bloom.

Plant Protection Spray's proprietary formula includes several plant extracts and essential oils. The combination of these ingredients provide effective protection against thrips in all stages.

With the addition of a foliar nutrient, our spray ensures that plants also get an additional boost to help the plant recover from a infestation quicker.



Spray&Grow Plant Regulator Spray biological growth spray

Plant Regulator Spray by Spray & Grow is a biological growth regulator.

Our unique combination of algae filtrates and willow bark acid regulates the growth of plants and flowers ensuring a controlled growth and a quicker blooming process.

CANNA Cannacure

controls plant pests and mildew

CANNACURE is an unique leaf nutrient that prevents and controls plant pests and mildew. It's environmentally friendly and free of toxins

CANNACURE ensures healthier plants, bigger flowers and increased yields.

Mildew, whitefly, aphids, spider mites, mealy bug. The world is full of diseases, pests and parasites that are looking for an opportunity to infest your plants and ruin your crop. Of course, you want to protect your plants in the best way possible. But how? Harsh chemical pesticides may get the job done, but they pollute the environment and poison your flowers and fruits, but on the whole the more traditional disease and pest control methods just don't work well enough.

CANNACURE is a product that has it all. Environmentally friendly, this product eliminates pests and mildew, while stimulating growth and blooming.

CANNA CANNacure 750ml (RTU) **02405** 1L **02406** 5L **02407**



C NO INSECTS

100% effective and natural

Grow room pests are an issue that you need to avoid. A few stray bugs can quickly turn into an infestation, and once this happens, it won't be long before your plants start to suffer lasting damage that will inevitably reduce the size and quality of your crops. C-No Insects 4C-Field ensures that this is not a problem by reducing the ability of bugs to live on the plant, safely and naturally.

Many insect control products contain ingredients that are poisonous. If you want to produce the very best possible end-product, then you need to kill pests with a spray that's as natural as possible. 4C-Field is non toxic and contains no nasty chemicals. Instead, it utilises statically charged ingredients to stop spider mites, thrips and fungus gnats, amongst others, feeding from the plant. 4C-Field even works against mildew, bacteria and viruses, making it a great all-round product.

C-NO INSECTS 1L **06117** 5L **06118** 10L **06119** 20L **06120**



Hotbox Sulfume

treat pest infestations

Stop the spread of fungal diseases and treat pest infestations with sulphur vapour. All you need is a HotBox Sulfume.

It's incredibly effective. Customers use it to combat spider mites, botrytis, mildew, black spots, fungus & more! It's one of the best ways to tackle spider mites and stops fungal spores from spreading.

The Hotbox Sulfume **01475**



Plant Chemist Insect Control

insect control

Plant Chemist Insect Control is a pesticide free product for use on flowers, fruit, vegetables, herbs and ornamentals, both outside and undercover.

Plant Chemist controls a wide range of insects including spider mite, thrips, aphids, mealybug, scale, psyllid and more.

Its organic composition ensures healthy, green and clean plants, followed by optimized growth and bloom.

Insect Control 250ml **36446** 1lt RTU **36445**



Insecto Smoke Bombs

safe and easy to use

INSECTO smoke bombs come in a range of 3 different sizes containing the active ingredient permethrin.

Simply light the non-sparking wick, smoke fumes will work their way into all nooks and crannies killing all flying and crawling insects in treated area.

The mini smoke bomb weighs 3.4g and covers up to 120m3.

The midi smoke bomb weighs 15g and covers up to 500m3.

The maxi smoke bomb weighs 31g and covers up to 1000m3.

Insecto Smoke Bombs Mini **05410** Midi **05411** Maxi **05418** Pro **05471** Jumbo **06196v**



Guard 'n' Aid Insect Catcher (5 Pack)

flying insect detection

Non-toxic hanging sticky fly traps which are safe for use near edible crops. They are a good way of catching flying insects and are a good tool for stopping infestations before they over run your garden.

The bright yellow colour is designed to attract flying insects.

Hang at canopy height or as a cover for the top of affected pots to catch emerging insects.

Guard n Aid Insect Catcher **05233**



Sulphur

refill for your Hotbox

2KG Bag of sulphur.

Use with Hotbox Sulfume.

Sulphur or "brimstone" is the oldest of all known pesticides and is by far the most widely used miticide / fungicide in "Organic" Agriculture.

Sulphur 2kg **01476**





White Lightite

100% white lightite triple layered grow sheet with a centre fold.

White both sides of the sheet but light tight to allow separate light cycles to perform within the same area. Gives better all round plant growth increasing yields by reflecting thermal heat, which also results in reduced energy costs.

Helps stop mould, algae and stimulates vigorous growth.

White Lightite **04049**

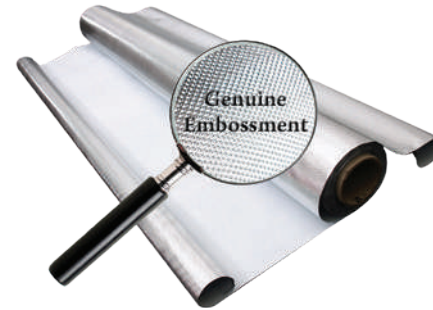


Silver Lightite

Within our indoor gardens, we try to do everything we can to imitate nature and tweak variables to gain maximum yields. In nature, reflective materials are not necessary because of the great distance between the sun and the Earth.

In an indoor garden, however, reflecting light is one of the most important things a grower can do to get the most out of their light source.

Silver Lightite **03051**



Diamond Lightite

Diamond Lightite has a raised diamond diffused pattern to spread light more evenly over the canopy of the plant allowing the light to be situated closer to your plants and also providing maximum reflection of light lumens whilst significantly reducing energy costs. A 5 layered material ensures 100% lightite creating a true blackout, stopping the escape of light and heat energy.

With PET coated membrane to dramatically increase strength and reduce creasing effect.

Diamond Lightite **05831**



Diamond Eco

Eco Diamond Diffusion with diffused pattern to spread light more evenly. Produced to help eliminate grow room hot spots.

Membrane memory to dramatically reduce creasing effect & PET coated to protect against corrosion and wear.

A non-lightite product.

Diamond Eco **04849**



DPM White 4x25m Roll Floor Secure

Designed to protect the floors of grow rooms from water damage. Floor Secure is basically a damp-proof membrane (DPM) that is thick enough for heavy traffic.

This product is also very useful for stopping any pests getting into the carpet of your grow room.

DPM White 4x25m Roll Floor Secure **02235**



Black & White

Black and White Sheeting is a cost-effective way to create your own growing environment by reducing external light and reflecting grow lamps.

Available in 2m wide, 10m long or 100m long sizes, this sheeting provides a cheap way to convert a room. It comes in 125 and 85 micron thickness's.

Black & White Thin 10m **02373** 100m **01879**
Black & White Thick 10m **02374** 100m **01880**



Aluminium Foil Tape

Highly reflective, adhesive backed foil tape is waterproof, tough and has a strong bond with chemical resistance.

It adheres well in low temperatures and high humidity.

Aluminium Foil Tape 50mm x 45m **03060**
75mm x 45m **04711**



Silver X Weave Tape

The tape is a bright aluminium foil tape reinforced with 5 mm² glass scrim for supreme strength and tear resistance.

The tape is coated with a high tack rubber/resin adhesive.

Silver X Weave Tape 75mm x 50m **01538**



Grey Duct Tape

A water-resistant cloth tape. Easy to tear by hand with high adhesion and tensile strength.

The 27 mesh cloth weave is water resistance and has a strong bond to clean dry surfaces.

Grey Duct Tape 48mm x 50m **05518**
70mm x 45m **05517**







156163

A

accessories



24hr Grasslin Timer

Unless you want to be in and out of your grow room every time your lights need turning on and off, a timer is an absolute necessity.

Grasslin Timers represent the best that money can buy and are definitely a worthwhile investment for every grower.

24hr Grasslin Timer **00219**



The Boss Contactor

Housed in a robust metal enclosure the boss timer will control the switching of up to 6 x 600w lights.

Incorporating an industry leading grasslin timer, The Boss will give you a long and trouble free switching of your chosen ballast and lamp configuration.

The Boss Contactor 4 Way **02646** 8 Way **02647**



Pocket Microscope

This Lumagny microscope enlarges the image 60 to 100 times, therefore the smallest details are shown super enlarged. The microscope is equipped with an LED light so the subject is properly exposed.

The Lumagny microscope is equipped with two rotary knobs, one for focusing and the other to zoom between 60x and 100x magnification.

Pocket Microscope **05038**



Newlite Eye Protectors & Strap

These Newlite Vision glasses offer protection from the harmful effects of hps lamps and alter the colour your eyes see to closely match a daylight spectrum.

Newlite Eye Protectors & Strap **04568**



Newlite Multi Lens Sunglasses

Offering protection from the harmful effects of HID lamp output these glasses have a blue set for sodium based lamps and a dark set for cutting out harmful UV light output from CDM lights.

A clip on pair of magnifying glasses allow for close up inspection of pest and leaf problems on your plants.

Spreader Mat 50ft **04569**



5m Extension Cable

Used for extending the distance between the ballast and shade.

5m Extension Cable **01939**



13A 5m Plug & IEC Cable

Moulded 13A Plug and IEC connector with a 5m cable length.

5amp Plug & Lead **01083**



IEC Plug Male/Female

Male and female IEC connectors.

IEC Plug Male **01905** Female **01905**



360° Degree Sprayer

Easily reach the places that pests tend to hide with this innovative adjustable head spray bottle.

360° 1L Sprayer 04507



Gravity Sprayer

The Gravity Sprayer delivers an ultra fine mist which distributes evenly across the whole plant surface, enabling your plant to utilise every last drop.

Gravity Spray 05217



Measuring Beaker

A moulded plastic, clear measuring beaker, with various volume markings embossed on the side.

Measuring Jug 1lt 02984



Funnel

A range of plastic moulded funnels to enable liquids to be easily transferred into narrow necked bottles.

Funnel 40045



16lt Knapsack Sprayer

16lt backpack pump. General purpose pressure sprayer with side handle, hand pump and comfortable shoulder strap.

Adjustable spray lance to enable easy and accurate spraying with a safety pressure release valve. Anatomic shaped tank offers balanced weight distribution when in use.

Kingfisher 16lt Knapsack Sprayer 05240



8lt Knapsack Sprayer

16lt backpack pump. General purpose pressure sprayer with side handle, hand pump and comfortable shoulder strap.

Adjustable spray lance to enable easy and accurate spraying with a safety pressure release valve. Anatomic shaped tank offers balanced weight distribution when in use.

Kingfisher 8lt Sprayer 06040



5lt Pressure Sprayer

The 5lt general purpose pump sprayer with a shoulder strap for for easy and comfortable use.

The sprayer features a built in lid-based hand pump and a safety pressure release valve. The spray lance is easy to use and is adjustable to enable accurate spraying.

Kingfisher 5lt Sprayer 05849



Pressurised Sprayer

Pressurised Sprayers are a must have when dealing with grow room pests such as Red Spider Mites, Thrips and flying insects that lay eggs on the leaves of your plants.

Pump and spray the underside of your leaves where the pests tend to live and lay their larvae.

Pressurised Sprayer 04671



Garden HIGHPRO Hanger

Adjustable ratchet hangers with aluminium carabiners capable of withstanding 48kg of static weight.

The rope length is 1.5m long, giving a good range of adjustment.

Ideal for hanging carbon filters as well as most lamp shades.

Garden HighPro Hangers 5kg **04570** 48kg **04934**



Garden HIGHPRO Procuff

These cuffs are designed to fit round larger tent poles or other larger structures. They will fit round tubes up to 50mm diameter and prevent rubbing on the rope.

Ultra strong hanging capacity of up to 84kg/pair makes them ideal for hanging larger fans.

Garden HIGHPRO Procuf **05215**



Yo-Yo

Yo-Yo's are hung above your plants to support the stems. As the plant grows, the yo-yo retracts, never damaging the stems or branches.

Ideal for fruiting plants like tomatoes and other vine crops with heavy trusses.

Yo-Yo (Box of 8) **05888**



Easy Rollers

Easy-Rolls are a light/reflector hanger.

Easy-Rolls are a useful mechanism that allows you to easily adjust the height of your light/reflector as the plant grows.

Easy Rollers **02990**



Bamboo Canes 1.2m

These Pre-Packed Bamboo Canes are the enthusiastic gardener's ideal accessory!

Made from strong, durable, long-lasting and flexible bamboo, these Canes are available in 20 or 25 pack sizes and at a convenient 1.2 metre length.

Bamboo Canes 250 x 1.2m **36758** 25 x 1.2m **05498**
20 x 1.2m **04532** 25 x 1.5m **06145**



Jack Chain 10m

A strong but lightweight chain which is ideal for hanging reflectors, filters and ducting etc.

Supplied in a display box containing a 10m length.

Jack Chain 10m **02751**



Garden HIGHPRO Medipro

Indicates the height between the top part of the plant and the light bulb, reducing the risk of the plants getting damaged by being too close to the heat, generated by the bulb.

Garden HIGHPRO Medipro **05216**



Scrog Line Pro

The Scrog Line Pro is an innovative single pot scrog system. Each Scrog Line Pro contains the frame system and elasticated scrog net. The Scrog Line Pro is intended for use with a single pot and single plant. Simply install the Scrog Line Pro by pushing the legs into the growing medium in your chosen pot and you are ready to grow.

Scrog Line Pro 1.0m **04442** 1.2m **04441**



Garden HIGHPRO PRONET

Providing horizontal support for plants ensures strong evenly distributed limbs, easy air circulation and most importantly a level canopy for even light distribution. This support mesh can be folded, the clips can be relocated and it is suitable for Tents or Grow spaces from 60cm to 1.2m square.

Garden HIGHPRO Elastic Support 60x60 to 120x120 **04571**
XL 60x60 to 150x150 **05403**



pH Kits

pH kits offer a foolproof way of testing the pH of your nutrient mixture.

As well as being a cheap and accurate way to test your pH they can also be used as a check to make sure your pH pen is working correctly.

pH kit 4-10 **02752** pH Kit 6-7.6 **0785**



Bluetooth Air Comfort

The Aircomfort is a bluetooth connected thermo hygrometer.

You can use it to log temperature and relative humidity over a 100 day period and then download it to the handy phone app. The air comfort will give live readings when you are in bluetooth range.

Air Comfort Orange **05780** Purple **05779**



LED Green Headlight/Flashlight

Green light led headlight and flashlight for illuminating your growing area in the dark without affecting the dark cycle length of your plants.

LED Green Headlight **05815** LED Flashlight **05814**



Garden HIGHPRO ProCut Scissors

These scissors are manufactured from 100% inox steel with extra sharp blades.

They are available in straight and curved blade versions. They are spring loaded and specially designed for comfortable use.

ProCut Scissors Curved **05505** Straight **05506**

Drying Nets & Racks

Drying nets are a solution to the problem of how to dry large quantities of herbs, flowers and other plant material quickly in a confined space.

Garden HIGHPRO

ProDry V1 Drying Net

55cm 4 Removable Levels **05343**

75cm 6 Removable Levels **05344**

95cm 6 Removable Levels **05345**

Jumbo Drying Net 8 Tier **01507**

Dry Rack 600mm 8 Layer **04619**

Dry Rack 900mm 6 Layer no Middle Support **04620**

Dry Rack 900mm 6 Layer with Middle Support **04621**



Various Nets & Racks



Thermo Hygrometer

Highlight Horticulture offer a wide range of thermo hygrometer's with probes or without.

All of them will record the minimum and maximum temperature and relative humidity of the area they are situated as well as current levels.

Garden Highpro Pro Thermo Hygrometer with Probe **05404**
Garden Highpro Thermo Hygrometer with Probe **04797**



Scalpel

Each scalpel is individually packed in sterile packaging. These are extremely sharp. Please dispose of them carefully. Scalpels are ideal for taking cuttings as they produce a clean sterile cut on the plant. This reduces the chance of infection and decreases rooting time.

Scalpels are sold in boxes of 10.

Scalpel **00120**



Syringe

Individually packed syringes used to accurately measure nutrient volumes.

Available in 10, 50 and 100ml versions.

Syringe 10ml **02554**
50ml **04922** 100ml **02553**

Pipette

Used to accurately measure small amounts of liquids. Available in 3mm and 5mm sizes.

Pipette 3mm **05232** 5mm **02742**



Limitless 3000w Tilting Fan Heater

Portable heavy duty fan heater ideal for larger spaces and workshops. Heating element and fan provide heat within minutes to warm up the space around.

The unit features two heat settings (1500w and 3000w with an integral adjustable thermostat).

Limitless 3000W Tilting Fan Heater **05830**



2kw Heater

Ensure your grow space maintains the preferred, warmer temperatures throughout the cold winter months.

This easy to use heater has adjustable temperature control, a long lead and safety grill.

2kw Heater **04528**



Tube Heaters

The tube heaters are designed to use far less electricity than fan heaters and are cleaner than paraffin heaters. Energy usage is kept to a minimum with a built-in thermostat which switches the heater off when the surrounding area gets too warm.

The heaters are IP44 compliant to be water resistant to sprinkled water.

They are EN 60335/1:2002 compliant.

Tube Heater 1ft no plug **04074** 3ft no plug **02284** 3ft with plug **04921** 300mm 28w **05115** 500mm 55w **04047** 750mm 90w **05116** 1000mm 120w **03106** 1500 190w **02590**

1000w Oil Filled Radiator

The LightHouse Oil Filled Radiator is a compact and powerful heater, perfect for warming up your grow room and keeping temperatures at their optimum.

Having a portable oil filled radiator makes warming up your growing rooms easy.

You can move it around whenever necessary without disrupting anything from your grow room set-up.



1000w Oil Filled Radiator **05466**

2000w Oil Filled Radiator

The lighthouse 2000w oil filled radiator is compact and powerful making it the ideal solution to heat a grow room or large grow tent.

The heater features 2 power settings, 800w and 2000w and also features on/off switch and thermostatic cut off to keep the temperature stable.



2000w Oil Filled Radiator **05467**

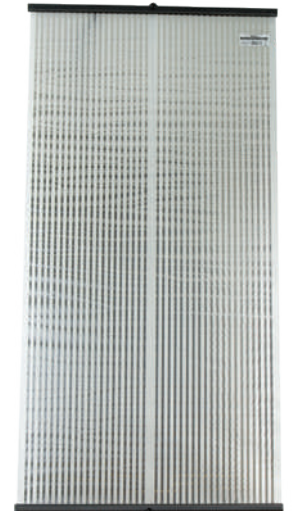
Infrared Folding Heater

SOLEA offers a new Russian heating technology providing space and energy saving solutions.

As thin as a sheet of paper and resistant to damp, it can be used in grow rooms.

The main technical characteristics of the product specification is:

- Voltage 220-250v
- Weight 0.4kg
- Thickness 0.12mm
- Consumption 0.5 kWh
- Lifespan: 10 years
- Heating up time: 10 seconds



Infrared Folding Heater **05682**



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