Cultivating effective growth together

Your partner in Greenhouse Technologies
We have green fingers when it comes to ensuring effective growth. Our high quality products, experience and customer-centric approach is what builds better growth practices - from the ground up.

Greenhouse Technologies is a thriving entity specialising in Greenhouse related products. This includes greenhouse plastics, peat moss, coir, irrigation systems and Dutch greenhouse technology.

Our first warehouse opened in City Deep at the Multi-Flora Market in 2007 and has since grown and expanded. Today we are known as one of the market leaders in the greenhouse film and growing mediums industry with more than 30 employees nationwide.

Products on offer to the horticulture/agriculture industry include Greenhouse Film/Plastic, where we offer a variety of greenhouse film with different properties aiding all of the growers needs.

Another fantastic product is Coir (Coco Pith), which has now become a standard in the industry. It is a 100% organic growing medium and can be used to improve the structure of your growing medium.

Our Irrigation systems are imported from Israel using Rivulis. Rivulis provides a wide range of horticulture/agriculture products including drip lines (brown & green), Supertif button drippers, filters and valves.

We also supply Peat moss imported from Lithuania. The world’s leading Peat Moss manufacturer, Klasmann-Deilmann, is the brand on offer.

All of these products are certified and tested off site and arrive at Greenhouse Technologies ready to go. Our Peat Moss is tested in Lithuania, Coir-Cocopeat is imported from India (where each container has been tested) and our film is imported from Israel.

At Greenhouse technologies, we make sure that the factories where our products are manufactured have done all the necessary tests before products are imported, to ensure the quality and most importantly to maintain relationships with our foreign investors.

What makes our company unique is that we go all out to give our clients the best possible product for their individual needs. We pride ourselves on customer satisfaction — a sale doesn’t end at point of sale, the after sales service is just as important.

When it comes to growing in a greenhouse, we offer an end-to-end product solution that gives clients the best possible service, with the best possible results.

‘My core belief is in growing with my customers, I believe that if you invest in your customers, they will invest in you.’

- Francois de Kock, Founder and MD of Greenhouse Technologies
We only source from the best suppliers to bring our customers consistency in quality of world-class products.

We visit all our international suppliers on a regular basis to ensure the quality standard is met and delivered to our end-clients. We believe in building and nurturing partnerships with all our suppliers so that we may in turn, pass on best solutions and value-offering to our clients.

Our Suppliers

- Politiv (Plastic)
- Klasmann (Peatmoss)
- Coir
- Galcon Controllers
- Rivilulis irrigation
- UVO Dutch Technology
- Percoli Cooling Equipment
Greenhouse Plastics

POLYETHYLENE FILMS FOR AGRICULTURE

The main purpose for the green-houses covering is to create an internal environment regardless the external environment. The better the control the better the crop yield and quality. The controlled microclimate in terms of light, temperature, humidity and physical protection of the crop (winds, rain, snow etc) maintaining a controlled environment at different climatic conditions. Controlling the internal environment gives the possibility to extend the growing season, fresh produce all year round and enhanced crop quality and yield.

Cover film properties:

**Thermal additives (IR):**
During the day, the greenhouse air heats up. At night when the outside temperature cools down, with regular cover there is loss of heat from the greenhouse by radiation towards the outside and the greenhouse temperature is reduced by re-emitting radiation in the infra-red range. To prevent this radiation loss, special additives are incorporated within the film. These additives block the IR radiation and help to maintain the temperature in the greenhouse preventing frost and low temperature damage.

**Light diffusion:**
Direct sunlight (undiffused light) can cause a “shadow” effect and “sun burns”. Light diffusers additives will scatter the direct light. Thus, preventing the shadow effect and the sun burns. The light diffusion increases the photosynthetic efficiency by providing more homogeneous light from all directions and is advantageous to growth with self-shading, such as cucumbers, tomatoes, squash, roses and others. The film is suitable for an area with high radiation.

**Anti-fog/Anti-drip:**
Hot air contains more moisture than cold air. At night, the temperature inside the greenhouse decreases, as a result, the water vapor in the air condenses in the form of small discrete droplets. The effect of fog formation:
- Light transmission reduction with consequent reduction in growth.
- Dripping on the plants causing diseases.
In order to prevent the above, special additives are added. These additives modify the film surface so that the water droplets are speared into a continuous invisible water layer.

**Anti-virus:**
The human being eyes are sensitive to 400-700 nm, while the insects are sensitive to the UV range (less than 400 nm), so, by blocking the UV range, the insects inside the greenhouses are less active. As a result, less agro-chemicals are used. With red roses, UV blocking prevents the roses from blackening.

**Anti-mist:**
Mist forms in a greenhouse when the temperature drops and the relative humidity reaches a saturation point and the greenhouse cover has Anti-fog/Anti-drip function.

**Anti-dust:**
The multi-layer construction and special polymers usage result in a smooth film that prevents dust accumulation on the outside. This is an important feature to insure maximum light transmission, and very easy film cleaning.

E 1115 Black / White Mulch Film

Mulch film is a protection cover over the soil, primarily to modify the effect of the local climate. The most powerful feature of plastic mulch is the impact it has on light. Light is responsible for creating both, heat and color. Plastic mulch can impact the development of heat increasing or decreasing it, depending on color.

**DURABILITY:** 10 months
**THICKNESS:** 25-40 µ
**WIDTH:** 1.5-11.0 m
**LENGTH:** Made to order

* All Products featured here have the same width and length as the first example above - Mulch Film (E1115), except E1904
Greenhouse Plastics

**E 1542 Standard UV Stabalized PE Film**
Diffused multi-layer greenhouse cover. The film contains special UV stabilizer with improved chemicals resistance compared to standard stabilizers.

**DURABILITY:** 3 years  
**THICKNESS:** 150-300 µ

**E 1748 Standard UVA+IR+AF+AV Film**
Colorless, sulfur resistant multi-layer greenhouse cover. The anti-fog additives to prevent dripping onto the plants and light transmission reduction (water drops act like a mirror and reflect light). The IR ingredient prevents heat “escape” at night. **The film contains Anti-Virus additives.**

**DURABILITY:** 3-3.5 years  
**THICKNESS:** 200 µ

**E 1821 Plastic - Natural UVA for Nectarine**
Multi-layer greenhouse cover. The film has a wide open window in the UV range permitting a large percentage of the UV solar radiation to enter the greenhouse in order to enhance the color contrast of the roses and to ensure the development the reddish colors in nectarines and peaches.

**DURABILITY:** 3-3.5 years  
**THICKNESS:** 200 µ

**E 2417 Smart Aluminium - New technology**
Multi-layer greenhouse cover with special Aluminum pigments. The pigment reflect the far infra-red radiation during the day, by that, reducing the temperature inside the greenhouse. At night, the Aluminum pigments block the IR radiation keeping the greenhouse temperature higher that outside temperature. Also the film contains thermic, anti-fog and Anti-Virus additives.

**DURABILITY:** 3 years (Anti-fog 18 months)  
**THICKNESS:** 180-300 µ

**E 1904 Black / White Film for Sileage**
High light reflection that avoids the excessive heating of film & the increase of temperatures under the plastic sheeting, preventing fermentations & diseases.

**DURABILITY:** 2 years  
**THICKNESS:** 150 µ  
**WIDTH:** 4 m- 14 m

**E 1836 Berry Thermic: Reinforced Stabilized Poly-tunnel + Anti-dust**
High strength, multi-layer diffused PE film. The light diffusion reduces construction and self shadows and allows the plants to receive a more even distribution of light during the day and the IR ingredients prevent heat escape at night. **The film has Anti-dust properties.**

**DURABILITY:** 3 years  
**THICKNESS:** 150-200 µ
Greenhouse Plastics: Anti-virus Net

POLYETHYLENE FILMS FOR AGRICULTURE

**Anti Virus 50 Mesh Net**

Anti Virus Net 50 mesh protects the crop against Whitefly, leaf miner, Aphids, Thrips and more insects. The net prevents the penetration of those insects to the structure and by that the crop is safe. Thanks to this net the grower can have more yield and better quality from his crop, with much less spraying of chemicals. This net can be used in all stable structures in vegetables, herbs and flowers. Mainly used in Tomato crop in Anti-Insect houses in Israel, Spain, Mexico, Chile and other places.

**Bionet™ 50 Mesh Net**

Photo-Selective Bionet® net protect the crop in two ways, one by the size of the hole that is smaller than the insects and the second way is optic; the net have special additives that block some of the light in specific wave length that cause the insects to penetrate to the structure to have less orientation in the field and they don’t get to the crop and die. Photo-Selective Bionet® net protects the crop against Whitefly, leaf miner, Aphids, Thrips, mite and more insects. Thanks to this net the grower can have more yield and better quality from his crop, with much less spraying of chemicals. This net can be used in all stable structures in vegetables, herbs and flowers. Mainly used in Tomato, Cucumber, Pepper, Chive, Basil and other crops. The Photo-Selective Bionet® is a worldwide patent and a breakthrough innovation in agriculture in Israel and worldwide. Be careful for imitation! Only METEOR produces the Photo-Selective Bionet®

**SPECs:**
- **Description:** Insect control Net 50 Mesh
- **Material:** 0.22mm Stabilized HDPE monofilaments (Made in Israel)
- **Structure:** Mesh Weaving, 50/25 Inch, 20/10 cm
- **Colors & Shade:** Transparent 24%; grey 40%
- **UV Block:** 5 years

**USAGES:**
Vegetables and Herbs such as Tomatoes, Cucumbers and Chives
Suitable for permanent, rigid structured types

**ADVANTAGES:**
Protection against whitefly, Thrips (partially) and other, larger pests
Enables uniform and healthy growth over a long season

**SPECs:**
- **Description:** Bio-net 50 Mesh
- **Material:** 0.22mm Stabilized HDPE monofilaments with Bio-net additives
- **Structure:** Mesh Weaving, 50/25 Inch, 20/10 cm
- **Colors & Shade:** Transparent 25% , White 40%
- **UV Block:** 5 years

**USAGES:**
Double protection against pests: Physical and Optical
Protection against whitefly, Thrips (partially) and other, larger pests
The net filters light wavelengths, which pests use for spatial orientation, leading to their demise.

**ADVANTAGES:**
Protection against whitefly, Thrips (partially) and other, larger pests
Enables uniform and healthy growth over a long season
# Compressed Cocopeat Bales

**Product:** Compressed Cocopeat bales / husk / dust coir

**Application:**
- **Size bale:** 28x28x15 cm
- **Bales on pallets:** 250 units
- **Moisture:** below 20% (w/w)
- **pH:** 5.5 – 6.5
- **E.C.:** below 1.0 mS/cm in 1:5 method
- **Air Filled Porosity:** 20%

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**Product:** Compressed Cocopeat bales / cut fiber

**Application:**
- **Size bale:** 30/30/15 cm
- **Bales on pallets:** 250 units
- **Moisture:** below 22% (w/w)
- **pH:** 5.5 – 6.5
- **E.C.:** below 1.0 mS/cm in 1:5 method
- **Air Filled Porosity:** 20%

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**Product:** Compressed Cocopeat bales / chips 24-25mm

**Application:**
- **Size bale:** 30/30/15 cm
- **Bales on pallets:** 250 units
- **Moisture:** below 20% (w/w)
- **pH:** 5.5 – 6.5
- **E.C.:** below 1.0 mS/cm in 1:5 method
- **Air Filled Porosity:** 20%

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**Product:** Pelemix – P.L.F (3070) Opentop 201913. Universal Opentop 5 L.

**Application:**
- **Expanded Volume:** 5 Liters (20(l)x19(w)x13cm (h) cm)
- **Material:** 30% Crush material; 70% 16mm material; 100% coir (PLF material)
- **Plastic bag:** 350 gage, black inside/white outside; UV protected for at least 1 year; Drain holes included
- **Expanded Volume:** 9 Liters

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Coconut husks are the outer part of coconut as a spongy cellulose material consisting of 100% Coco Peat or Coir Dust. This Coco Peat is a cellulose material made out of tissues which intake water and conserve moisture for a longer time. By virtue of the quality of Coco Peat and moisture retaining property it is utilized in all European countries and in USA as plant growing media. The Coconut Husk is washed in water and it is utilized for extraction of coir fibre. During the extraction of coir fibre coco peat / coir dust is produced as by product. This coco peat is washed for one week or rinsed in water to avoid salt contents or sodium chloride. Salt contents is measured with the parameter of electric conductivity which is commonly known is EC level. This EC level should be minimum < 1.00 ms/cm for attaining good growing property / growing medium.
### Plug Mix Extra Plus 402

A very open and fine structure, for better germination and root growth. Option: fine perlite for an increased drainage. 0.7 g/l fertiliser, pH H2O 6, AFP = 10-15%, WHCpF1-2 = 25-30%. Registration number B 5311.

- **AFP**: Air Filled Porosity
- **WHCpF1-2**: Water Holding Capacity from pF1 to pF2

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>White sod peat</td>
<td>(1 – 7 mm)</td>
</tr>
<tr>
<td>White peat</td>
<td>(0 – 5 mm)</td>
</tr>
</tbody>
</table>

### TS1 Fine 876

Best seller for modular trays, insures good contact with seeds, with higher germination rate and better rooting. Can be used plain, or blended with locally available additives. Option: lower fertiliser level.

1 g/l fertiliser, pH H2O 6, AFP = 8-12%, WHCpF1-2 = 30-35%.

Registration number B 5312.

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>White peat</td>
<td>(0 – 5 mm)</td>
</tr>
</tbody>
</table>

### TS1 MB 085

**Modular trays**: blends with locally available additives to increase water holding capacity and balance drainage. Improves the contact with the seeds giving a higher germination rate. **Pots**: can be used plain or blended with local raw material, gives better root and plant development.

1 g/l fertiliser, pH H2O 6, AFP = 10-15%, WHC pF1-2 >35%.

Registration number B 5314.

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>White peat</td>
<td>(0 – 25 mm)</td>
</tr>
<tr>
<td>White Sod peat</td>
<td>(5-15 mm)</td>
</tr>
</tbody>
</table>

### TS1 MB GF 814

GreenFibre® inside ! New multipurpose substrate with increased air and drainage, without any risk of salt. No fertiliser, pH H2O 6, AFP >30%, WHC pF1-2 >25-30%.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>White peat</td>
<td>(0 – 25 mm)</td>
</tr>
</tbody>
</table>

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**PLEASE INDICATE ON PDF what has been edited where? specifically**

- **Peat fibers**
- **White peat**
- **White sod peat**
- **GreenFibre®**
- **Perlite**
Substrates made by Klasmann-Deilmann

GROWING ON OF EDIBLE AND ORNAMENTAL PLANTS

where? specifically

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**TS1 Medium + Fibres 784**
Fibrous substrate to grow plants in bigger bags and pots. Peat fibre is allowing lateral water movement. Can be used plain or blended.
1 g/l fertiliser, pH H2O 6, AFP = 15-20%, WHCpF1-2 >30%.
Registration number B 5313.

AFP : Air Filled Porosity
WHCpF1-2 : Water Holding Capacity from pF1 to pF2

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**TS 1 Coarse 418**
Very coarse fibrous substrate to grow plants in big pots for long term crops, or sensitive plants. Peat fractions and peat fibres are increasing air capacity and drainage.
1 g/l fertiliser, pH H2O 6, AFP 25-35%, WHC pF1-2 >35%.

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**Lithuanian Peat Moss 931**
Acidic peat for acidic plants as Protea, Blueberry, Azalea. It is in general blended with local raw material to decrease pH of growing media and soil. Does exist in fine and coarse structure.
No fertiliser, pH H2O 4-4,5, AFP 10-15%, WHC pF1-2 >35%.

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**TS 4 Coarse “Blueberry” 391 with perlite + GreenFibre®**
Substrate specially designed to grow blueberry in big pots, long term. This is the most representative product of a full specific range of growing media, to be chosen depending on growing conditions. Does exist with coir and perlite.
0,5 g/l fertiliser, pH H2O 4,8, AFP >30%, WHC pF1-2 >25%.
Supertif / Supertif ND Flow
Regulated Dripper
• Outstanding resistance to clogging
• Self-flushing mechanism

Supertif ND / NDH: Brown
Supertif ND MOP: Light Blue
Supertif NDH MOP: Blue

Operating pressure range:
Supertif: 0,6-3,5 (25 lph: 1,25-3,5) bar

Supertif ND (No-Drain): 0,7-3,5 bar
Supertif NDH (No-Drain High): 1,2-3,5 bar
Supertif ND MOP: 1,3-3,5 bar
Supertif NDH MOP: 1,3-3,5 bar
Installation: Use 2 mm punch tool

Crop applications:
SUPERTIF PC:
Orchard, Vineyard And Landscape Applications
SUPERTIF PCND OR PCND-H:
Greenhouse, Orchard (New Plantation), Nursery

FLF Fogger & Rondo Mister
Fogger Low Flow, Finest Droplets
• Control humidity and temperature in both greenhouses and high tunnels
• Part of a cooling system in animal husbandry
• Irrigation in both cutting propagation and seed germination
• Unique vortex flow
• FLF average droplet size - 70 microns

FLF Mist Sprayer - Single
FLF - 2-Way
FLF - 4-Way

Crop applications:
All net and plastic structures climate control
Rondo Mister: For germination and climate control

Rondo Micro & RONDO Flow
Regulated (RFR) Micro
• Low to moderate flow rates and fine droplets prevent water run-off. Constant flow rate over a wide pressure range (RFR)
• Flow rates: Rondo: 51-300 lph, RFR: 23-95 lph
• Effective wetting diameter:
  Rondo: 4,4-11,0 m, RFR: 5,0-7,0 m
  Static deflectors: 90°, 180°, 360°

Product Options:
Flow rates (2,0 bar)
  Rondo: 30, 39, 51, 75, 64, 102, 132, 174, 254, 298 lph
  RFR: 23, 30, 41, 53, 70, 95 lph

Inlet Connections - Ultra female conic, 3/8” Thread (RFR), 5 mm Thread Spinners
Attachments: Anti-ant cup
RFR: Under tree irrigation on sloping terrain
Effective wetting diameter:
  Rondo: 4,4-11,0 m, RFR: 5,0-7,0 m
  Static deflectors: 90°, 180°, 360°

Operating Guidelines:
Operating pressure ranges
Rondo: 1,5-2,5 bar, RFR: 1,5-3,5 bar

Applications:
Inverted in greenhouses, under tree in orchards and on metal stakes in vegetables fields
Rivulis Irrigation provides industry leading drip and micro irrigation solutions with superior channel partners to growers that want to optimize operations and output. We now import, install & show you how to use these premium irrigation system products.

**Rivulis Irrigation solutions**

**IRRIGATION SOLUTIONS FOR:** Residential Gardening, Turf & Landscape, Greenhouse and Open Field

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**PRO-TAPE**

- Turbulent flow dripper technology
- White stripe (easier installation)
- Self-closing slit outlet (ideal for SDI systems)

**Product Options:**

- **Diameters:** 16m
- **Wall thickness:** 0.15mm-0.40mm
- **Dripper spacings:** 30, 40, 50, 60, 75, 100cm

**Flow rates per outlet:** 0.25 - 1.35 lph

**Flow rates at 0.55 bar:** 90 - 1350 lph/100 m

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**D2000 Non PC Drip Line**

- **Nominal diameter:** 16 mm
- **Wall thickness:** For 16 mm: 0.78, 0.90, & 1mm
- **Flow rates:** 1.0, 1.5 & 2.0 lph
- **Std. Dripper spacings:** 30, 40, 50, 60, 75, 100cm

**Operating Guidelines:**

- **Recommended operating pressure:** 1 bar
- **Filtration requirements (based on lph/Dripper):**
  - lph/Dripper Micron Mesh
    - ≤ 1.00: 100 150
    - > 1.00: 130 120

**Applications:**

- Vegetables, orchards, vineyard’s and landscape applications

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**D5000**

- **Multiple filter inlets**
- **Large cross section labyrinth**
- **Self-closing slit outlet** on 0.40mm product

**Outlet:** 0.40mm wall thickness - Slit

- **Above 0.40mm - Hole**
- **Diameters:** 16, 17, mm
- **Wall thickness:** 0.40mm - 1.20mm
- **Flow rates:** 0.65, 1.0, 1.5, 2.0 lph

**Operating Guidelines:**

- **Operating pressure range:** 0.5 - 3.5 bar

**Applications:**

- Blueberries, orchards, vineyard’s and landscape applications; SDI – Sub surface Drip irrigation

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**Hydrogol**

**NON PC Drip Line:**

- Designed with a large cross-sectional labyrinth - provides a turbulent water flow which minimizes the formation of residues that may cause clogging. Manufactured with two outlets and two inlet filters. High clogging resistance due to the large channel and large inlet filter.

**Diameters:** 12, 16, 20 mm

- **Wall thickness:** 25 - 45 mil
- **Flow rates at 1.0 bar:** 1.0 - 8.0 lph

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**PC Drip Line:**

- Highly resistant to clogging due to the large cross section labyrinth and the continuous flushing of the inlet filter by the water flow. Pressure difference in the regulating chamber creates a continuous self-flushing operation. No-Drain (ND) features prevents Drip line from ingesting containments during pressure drop with system Shut-down.

**Diameters:** 12, 16, 17, 20 mm

- **Wall thickness:** 35 - 47 mil

**PC Flow rates:** 1.05 (12 mm), 1.2, 1.6, 2.2, 3.6 lph

**PC ND Flow rates:** 1.05 (12 mm), 1.35, 1.75*, 2.35, 3.75** lph

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**Rivulis Irrigation**

**IRRIGATION SOLUTIONS FOR:** Residential Gardening, Turf & Landscape, Greenhouse and Open Field

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**D2000 Non PC Drip Line**

- **Nominal diameter:** 16 mm
- **Wall thickness:** For 16 mm: 0.78, 0.90, & 1mm
- **Flow rates:** 1.0, 1.5 & 2.0 lph
- **Std. Dripper spacings:** 30, 40, 50, 60, 75, 100cm

**Operating Guidelines:**

- **Recommended operating pressure:** 0.55 bar
- **Maximum pressure:** according to wall thickness

**Crop applications:**

- **MODEL 506 (0.15mm wall thickness)** Tomatoes, peppers, melons and strawberries.
- **MODEL 508 (0.20mm)** Where more resistance to abrasion and insect damage is desired. All vegetable crops.
- **MODEL 510 (0.25mm)** Heavy or rocky soil, where insects are a problem, where it is to be moved or reused for multiple seasons.
- **MODEL 515 (0.40mm)** Heavier soil / soils presenting rougher terrain / insects /even small

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**D5000 PC**

- **Multiple filter inlets**
- **Large cross section labyrinth**
- **Self-closing slit outlet on 0.40mm product**

**Outlet:** 0.40mm wall thickness - Slit

- **Above 0.40mm - Hole**
- **Diameters:** 16, 17, mm
- **Wall thickness:** 0.40mm - 1.20mm
- **Flow rates:** 0.65, 1.0, 1.5, 2.0 lph

**Operating Guidelines:**

- **Operating pressure range:** 0.5 - 3.5 bar

**Applications:**

- Blueberries, orchards, vineyard’s and landscape applications; SDI – Sub surface Drip irrigation

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**Diameters:** 12, 16, 20 mm

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- Highly resistant to clogging due to the large cross section labyrinth and the continuous flushing of the inlet filter by the water flow. Pressure difference in the regulating chamber creates a continuous self-flushing operation. No-Drain (ND) features prevents Drip line from ingesting containments during pressure drop with system Shut-down.

**Diameters:** 12, 16, 17, 20 mm

- **Wall thickness:** 35 - 47 mil

**PC Flow rates:** 1.05 (12 mm), 1.2, 1.6, 2.2, 3.6 lph

**PC ND Flow rates:** 1.05 (12 mm), 1.35, 1.75*, 2.35, 3.75** lph
Galcon irrigation controllers

IRRIGATION SOLUTIONS FOR: Residential Gardening, Turf & Landscape, Greenhouse and Open Field

AC-24 “ S”

- Modular controller that scales to your needs.
- 8 valves, expanded to operate 24 valves.
- Irrigation durations from 1 second up to 12 hours.
- Fertilizers can be added during irrigation duration.
- Control lighting with a special lighting program.
- Rain sensor, soil moisture, similar sensors
- Monthly water budgeting, rain delay, auto.
- Restart, short-circuit identification, 9V battery backup, cyclic mode and Multi-function valve programming.

8000 “ S”

- Irrigate in seconds using a cycle of pre-set minutes.
- 8000 controllers are connected to switch-type sensor for optimal performance.
- Irrigation duration from 1 second to 12 hours.
- 4 to 12 stations
- 9V BACK UP BATTERY
- Can connect "external sensor to trigger a program. for example a temperature or Humidity reader"

GALPRO

- Fixed outputs (9 or 13): 8 irrigation valves, 1 master valve; 1 or 2 fertilizer pump output and 1 filter or 7 valves; 2 filter flushers; operate latch elements (solenoids, latch relays)
- Fixed inputs: 4 water meters, 1 or 2 fertilizer meters, 3 condition inputs
- Available in AC and DC models
- Warning in case of water leakage or system damage
- Proportional fertilizing

GSI & GSF

- A cloud-based irrigation controller using computer, laptop, tablet or smartphone
- AC, DC (Battery-operated) or DC with Solar panel
- Advanced monitoring and alert system, Real-time notification via email
- Simple over-the-air (OTA) updates and upgrades
- Can be connected to GAL1WAY RTU units
- Can connect "external sensor to trigger a program. for example a temperature or Humidity reader"
- DC controller: 12 station + Master Valve, battery operated controller.
- AC controller: 24 station + Master Valve, standard electric connection.

GALILEO

GREENHOUSE:
- Internal and external sensors
- 4 different climate zones
- Windows, fans, thermal screens, cooling /heating
- CO2, spraying systems, air circulation,
- EC/PH, Water recycling, mixers, drainage, misting

OPEN FIELD:
- 50 irrigation lines, 8 fertigation centers
- 200 irrigation valves, 100 water meters, EC/PH control,
- 100 irrigation programs,
- 8 pumping stations
- 10 filtration centers
- 5 mixing junctions

FERTIGATION MACHINES


FERTIGAL: Inline mixing machine with direct injection. Galileo controller / EC/pH control. 8 fertilizer pumps (350 L/H). Two kinds of pumps: a Venturi pump and a booster pump

FERTIMIX: Each Fertimix machine includes a mixing tank, and comes with a Galileo controller and EC/pH control.
Based on the simple physical principle of adiabatic cooling

**Evaporative Cooling Pad**

Evaporative panels PERICOOL are a simple and economical way to humidify the air in big spaces with minimum energetic costs thanks to the adiabatic process. A water distribution system pours the water into the evaporative panel in order to impregnate uniformly its special honeycomb structure. At this point the air passing through the panel partially transfers its heat to the water, causing its evaporation.

Applications: PLEASE SUPPLY INFO we can convert into icons. if not uses, then features opr something to make this visually and functionally fit in with the rest of the brochure; please

**Metal Frame system with Tank-Gutter**

This product is made up by stainless steel gutter frames, without any additional external water storage thanks to a special lower gutter, which serves as a tank. This improved new system is easy to install, permits to avoid all costs related to external tank with additional pipes. The new lower gutter, although with the same design of the traditional one, has become deeper in order to contain the correct amount of water required by the system to operate. This product is appreciated not only by customers, but also by installers, maintenance workers and end-users for the simplicity and flexibility that distinguish it.

Applications: PLEASE SUPPLY INFO

**Belt-Driven Exhaust Fan**

Exhaust fan specifically designed for high airflow capacity. Available in 42” and 53”, their main features are great efficiency and low maintenance costs. The fan housing is available in galvanized or stainless steel (Aeternum EWS 53 only) for the maximum corrosion resistance. The entire line is tested in a PERIlab and certified by BessLab. Some of the features and advantages are that the fans are Air-and light-tight, easy opening guards, pre-tensioned V-belt and the bottom panel with 4 practical water discharge holes.

Applications: PLEASE SUPPLY INFO

**Cylindrical Air Circulation Fan**

ACF line is the ideal product whenever air displacement is required. It is available in 18”, 21” and 26” with wall-housing in galvanized steel or stainless steel for maximum corrosion resistance. Produced with highly resistant materials, it has been designed in order to ensure high energy efficiency and excellent versatility. ACF ensures low noise levels to grant productive labor conditions for the workers. The entire line is tested in our PERIlab and certified by BessLab.

Applications: PLEASE SUPPLY INFO
Rooted in the heart of Dutch Floriculture, UFO Supplies offers a selection of products, specially selected for the South-African vegetable or flower grower. These are products that suit our clients’ unique circumstances, products that are key for cultivating good results, products that ensure our clients are one step ahead of the rest.

**Ground Cover**

Groundcover is a durable woven cover that keeps the ground clean, free from weeds and easy accessible. Groundcover can be used outdoors as well as in the greenhouse. Due to its woven structure, it drains water quickly. Groundcover is ideal for outdoor pot and container cultivation of plants and berries as it prevents weed growth and drains water quickly. It is easy to keep the field clean during and after season. The cover comes with coloured square pattern to ease plant spacing.

**RELATED PRODUCTS**
- Flower support netting
- Acryl frost cover
- Capillary mat

**Perlite**

Agra-perlite serves as an additive in potting soils and sowing soils. Perlite is a purified and broken volcanic stone, the grains have a rough surface and open structure which results in the fact that they are very airy and can absorb a lot of water. Perlite is added in substrates for pot plants and media to root cuttings or germinate seeds as well as cover for seeded trays.

**RELATED PRODUCTS**
- Klasmann propagation substrates
- Klasmann potting substrates
- Coir medium

**Plastic repair Tape**

High quality greenhouse repair tape. Long lasting tape UV and temperature resistant to South African circumstances. Available in 100mm wide rolls.

**RELATED PRODUCTS**
- Politiv greenhouse plastic
- Politiv black/white silage

**Tomato Clip**

Bato clips give the best plant stem guidance in the production of tomatoes and peppers. By using the Bato clip, it is no longer necessary to keep turning the plant stems along the twine with the possibility of damage to the plant.

**RELATED PRODUCTS**
- Tomato hook with wire
- Tomato truss support
- Cucumber top bend
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**Q3 Shading Paint**

High quality shading paint for use on glass and plastic surfaces. Reduces influx of light and heat into the greenhouse. In rainy weather this effect is minimal. Q3 leaves a homogeneous protective film which holds for months. With the use of REMOVIT it is easy to remove. As a liquid it is easy to dilute and solution can be applied with professional spraying systems. Q3 is especially advised for climates where sunny weather is combined with frequent rain showers.

**Cucumber Foil**

High transparent shrink film for cucumber packaging. Excellent gloss for good presentation of the product. Flat film with micro-perforation (standard 10*10 mm but 50*50 optional). High speed shrink wrap. Clear BOPP co-ex film for packaging cucumbers. Production according to BRC conditions.

**Spray Trolley**

Empas spray trolleys complete plug and play with electric or petrol engine.
- Empas Georgia 4-wheel, 600-1000-1500ltr tank
- Empas Atlanta 3-wheel, 200 and 400ltr tank
- Empas Montana 3-wheel, 120ltr tank

**Tomato Clip**

The original Danish trolley widely used amongst growers and trade in flowers and pot plants. Ideal for storage for flowers in the cold store, and for transport of flowers and buckets in cold store and processing hall. As well as transport and display of pot- and bedding plants. Size: 135x56.5x190cm, two swivel and two fixed wheels.

**RELATED PRODUCTS**

- Q2 shading paint
- Shading powders
- Heating pipe paint

- sweet pepper packaging
- carrot, cabbage packaging

- High pressure pumps
- Spray lances
- Horizontal spray booms
- Vertical spray booms
- HP hose 80bar

- Maestro trolley size 130*102*190cm
- Flower buckets round and square
- Flower bunch cutter
- Flower hand binder
- Flower defoliating machine
Cultivating effective growth nationwide