

MICHIGAN

grow box - set



Growbox **MICHIGAN** encloses a fully automated system for growing plants INDOOR. Thanks to the controller you can control all the most important parameters, i.e. temperature, humidity, hydration, lighting as well as air circulation and ventilation. The system is compatible with mobile devices - You are always on-line with your crop.



MICHIGAN MINI

growbox — set
power: 550W / 230V
weight: 47kg
dimensions: 56,7 x 62,4 x 142 cm
cultivation area: 52 x 50 cm



The set includes:

- Control panel
- MOROCO 1 - COB illuminator
- GRAND ventilation
- Carbon filter
- Humidification and mixing module
- 300W heater
- attachments for the plant mesh
- lamp mounting brackets
- key lock
- CO₂ generator

Will fit 4 pcs of 11l pots.

MICHIGAN MAX

growbox — set
power: 700W / 230V
weight: 110kg
dimensions: 111,5 x 69,2 x 205 cm
cultivation area: 106 x 60 cm



The set includes:

- Control panel
- MOROCO 3 - COB illuminator
- GRAND ventilation
- Carbon filter
- Humidification and mixing module
- 300W heater
- attachments for the plant mesh
- lamp mounting brackets
- key lock
- CO₂ generator

Will fit 6 pcs of 11l pots.

In order to meet the expectations of our customers, we have prepared a self-contained vertical hydroponic growing system. With the latest solutions, we were able to combine an efficient lighting system (COB LED) with a very quiet ventilation and irrigation system in a very creative way.

Our **MONT** hydroponic hanging garden is made of high quality materials and can take the hearts of the most demanding customers away. The **MALTA** mini greenhouse is an automatic device with which you can grow fresh and aromatic vegetables and herbs in your own home in an ecological and very pleasant way.

From now on, your favorite flowers and vegetables can be an unusual decoration, regardless of the type of interior.

MONT

vertical hydroponic system

MALTA

mini greenhouse



ARTIPLANT

container for growing plants



dimensions:
• 12 x 2,5 m

The Artiplant series containers have been adapted for industrial plant cultivation. Choose a professional type of lighting between lamps:

- MOROKO - COB
- MILANO - HPS

MOTTO

sowing cubes



cell dimensions:
30 x 30 x 30 mm

- tray 12 - 150x195x30 mm
- tray 24 - 290x195x30 mm
- tray 72 - 290x580x30 mm

Motto cubes - 100% natural and ecological are a mixture of specially frozen peat, coconut fiber, alpaca fertilizer, moisture-retaining material and a carefully selected plant substance. All these ingredients combined in the right proportions have made our MOTTO the best seeding cubes on the horticultural market. They provide excellent air and water flow, so that the roots can grow from the very beginning of the plant growth phase. It's the perfect solution for your plants.

ONTARIO

specialized air handling units



Create ideal air parameters for your plants.

Personalize our air handling unit with the help of our specialists to directly suit your cultivation needs. Thanks to the **ONTARIO** control panel dedicated to greenhouses and arable halls, you will protect your plants against insect invasion, fungal growth and maintain a constant temperature and an appropriate level of CO₂.

For more info visit grenfox.com

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Catalog date: May 2020



gren fox
MASTER OF GROWING



We want to return to nature

MAROKO

COB downlight
Designed and tested for the
INDOOR cultivation

Light colour 3500K
Spectrum range: 410 - 780 nm

Reliable LEDs from the prestigious Japanese brand **Citizen** – perfect reproduction of the light spectrum necessary to maximize plant development
Service life > 80,000 h - 9 years of operation

Borosilicate Lenses, transparency over 97%.
Heat resistant. 120° beam angle (90° version available)

Potentiometer for smooth power regulation in the range 10-100% for full control over plant growth

Hanging brackets make it easy to adjust the height of the light source

Swiss cooling fan with ball bearing – **Arctic** ensures quiet operation of the device

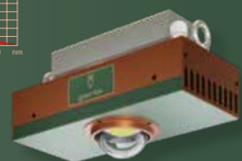
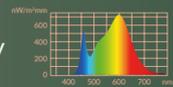
Degree of protection incl. against the harmful effects of water ingress IP44

A reputable brand power supply **Mean Well** – stable power supply guarantee



MAROKO 1

power: 150W / 230V
weight: 3,2 kg
lumen: 26,000 lm
light color: 3500 K
HPS equivalent - 200W



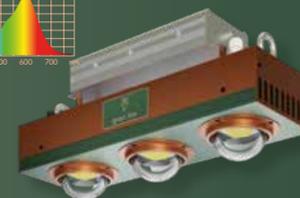
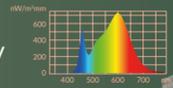
30 cm
60 cm
90 cm
100 cm



990 $\mu\text{mol}/\text{m}^2\text{s}$
275 $\mu\text{mol}/\text{m}^2\text{s}$
158 $\mu\text{mol}/\text{m}^2\text{s}$
100 $\mu\text{mol}/\text{m}^2\text{s}$

MAROKO 3

power: 320W / 230V
weight: 5,2 kg
lumen: 52,000 lm
light color: 3500 K
HPS equivalent - 600W



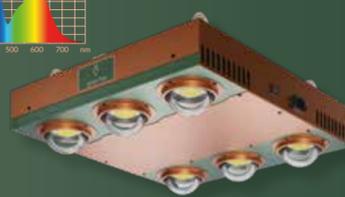
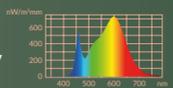
30 cm
60 cm
90 cm
100 cm



2138 $\mu\text{mol}/\text{m}^2\text{s}$
645 $\mu\text{mol}/\text{m}^2\text{s}$
363 $\mu\text{mol}/\text{m}^2\text{s}$
280 $\mu\text{mol}/\text{m}^2\text{s}$

MAROKO 6

power: 640W / 230V
weight: 12 kg
lumen: 104,000 lm
light color: 3500 K
HPS equivalent - 1200W



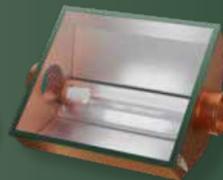
30 cm
60 cm
90 cm
100 cm



2751 $\mu\text{mol}/\text{m}^2\text{s}$
1125 $\mu\text{mol}/\text{m}^2\text{s}$
656 $\mu\text{mol}/\text{m}^2\text{s}$
629 $\mu\text{mol}/\text{m}^2\text{s}$

MILANO

HPS ventilated reflector hood
IP44



- \varnothing 125 / 520 mm
- \varnothing 150 / 520 mm
- \varnothing 150 / 615 mm
- \varnothing 200 / 615 mm

Ventilated **MILANO** reflector allows the heat to be emitted outside, which allows lowering the temperature for easier cultivation of your plants. It has a system for adjusting the angle of the reflective surface. The whole system has been enclosed in a solid and designer casing, having a 4 mm thick tempered glass with ground edges.

The E40 socket enables the use of HPS / MH lamps.
Adapted to lamps: **250W / 400W / 600W / 1000W**

COLORADO

IP44

HPS non-ventilated reflector hood

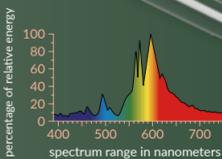


- HPS NW 250W - 1000W

Made of special sheet metal, it effectively reflects light, spreading it evenly. Thanks to its relatively light weight and mounting holes the **COLORADO** lamp installation is not bothersome.

SODIUM LAMP

2000K color temperature

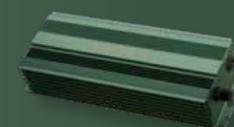


- HPS 250 W 30 000 lm
- HPS 400 W 50 000 lm
- HPS 600 W 82 000 lm
- HPS 1000 W 125 000 lm

- specialized coating of arc pipes
- patented durable construction
- perfect uniformity of light output
- extended lifetime
- uncompromising light quality
- reduced color shift
- exceptional maintenance of Lumen level
- additional UV radiation

POWER SUPPLY

for HPS reflectors



- 600W / 230V
- modes: 250W / 400W / 600W / 660W

- for HPS / MH lights
- 20% more lumens than in conventional power supplies
- does not overheat
- lightweight design
- effective energy consumption
- model with dimmable lamp control

ETER

IP44



- \varnothing 100 m^3/h : 100 moc: 15W
- \varnothing 150 m^3/h : 280 moc: 20W

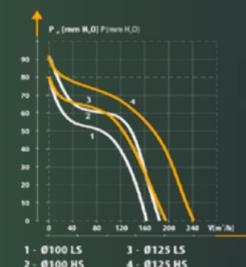
The **ETER** fan is ideal for Growboxes. It acts as an air mixer, maintaining its continuous circulation, which **protects your plants from mold and fungi**. The solid clip enables convenient installation.

SPEED

duct fan



- \varnothing 100 m^3/h : 180HS / 160LS
- \varnothing 125 m^3/h : 240HS / 195LS



MAGNUM

Carbon filter*	Coal	Carbon free dough (g)	Carbon mass (g)	Filter weight (g)	optimal flow m^3/h	maximum flow m^3/h
\varnothing 100 180/180	CTC 80	1094	1234	2328	190	250
\varnothing 100 180/250	CTC 80	1314	1686	3000	250	380
\varnothing 100 180/400	CTC 80	1600	2834	4434	390	500
\varnothing 100 330/135	CTC 80	1914	5036	6950	200	250
\varnothing 100 330/250	CTC 80	2398	9214	11612	390	450
\varnothing 125 180/180	CTC 80	1148	1200	2348	180	300
\varnothing 125 180/250	CTC 80	1344	1354	2698	220	380
\varnothing 125 180/400	CTC 80	1768	2672	4440	390	500
\varnothing 125 230/135	CTC 80	1382	1614	2996	220	270
\varnothing 125 230/250	CTC 80	1733	2787	4520	400	460
\varnothing 150 230/400	CTC 80	2500	3918	6418	510	920
\varnothing 150 230/650	CTC 80	3428	6370	9798	750	1100
\varnothing 160 230/400	CTC 80	2670	3546	6216	510	940
\varnothing 160 230/650	CTC 80	3694	5696	9390	750	1200
\varnothing 200 280/500	CTC 80	3820	6440	10260	820	1100
\varnothing 200 280/800	CTC 80	5314	10396	15710	1100	1400
\varnothing 250 330/500	CTC 80	4642	8118	12760	1000	1500
\varnothing 250 330/750	CTC 80	6110	11950	18060	1500	2200

*Service life from 12 to 18 months.

Double-flow patent™



Number 1 in the world !!! Thanks to **Double-flow patent™** technology using **Carbon Max***. A revolutionary construction solution of the filter due to the use of unique guide vanes, which double the length of the airflow path through the carbon bed, which in turn doubles the absorption surface of the filtered air. The unrivaled patent means that the entire filter surface is used to clean the air. The great performance of our **MAGNUM** filter has been closed in a much smaller housing compared to the competition.

*Carbon MAX = Maximum active carbon surface = Maximum Absorption of unwanted odors.

GRAND

IP44



3-speed (I / II / III) radial duct fan with speed control

- \varnothing 100 m^3/h : I-224 / II-324 / III-400
- \varnothing 125 m^3/h : I-252 / II-365 / III-450
- \varnothing 150 m^3/h : I-297 / II-429 / III-530
- \varnothing 160 m^3/h : I-308 / II-445 / III-550
- \varnothing 200 m^3/h : I-588 / II-864 / III-1200
- \varnothing 250 m^3/h : I-944 / II-1312 / III-1600
- \varnothing 315 m^3/h : I-1342 / II-1826 / III-2200

The **GRAND** 3-speed duct fan has a control panel, which allows the user to adjust the motor speed. Thanks to the controller you can perfectly adjust the airflow to your needs. The fan and controller are a set.

Match **MAGNUM** to **GRAND** - table at grenfox.com

TACIT

silencer



	125	250	500	1000	2000	4000	8000
• \varnothing 100 180/500	7	12	24	37	45	35	24
• \varnothing 100 180/500	6	10	21	42	47	27	17
• \varnothing 150 230/650	3	5	10	17	25	32	17
• \varnothing 160 230/650	6	9	28	34	33	23	19
• \varnothing 200 280/800	5	11	20	30	35	20	21
• \varnothing 250 330/800	3	12	18	25	30	24	18

Gren Fox has added the **TACIT** acoustic silencer to its range for greater convenience when using ventilation equipment. The latest solution is aimed at customers who need safety, acoustic comfort and reliability in operation. The construction of the shock absorbers is made of galvanized steel, which is filled with a non-flammable material and has a layer that protects the fibers from falling for a very long service life. The silencer is compatible with circular ventilation ducts with diameters from 100 to 200 mm. **TACIT** can be installed regardless of the direction of the air flow.

Why tacitly?
Because at Gren Fox we believe you deserve a little rest ...

Gren Fox SYSTEM

elements for ventilation



Gren Fox SYSTEM is a set of 30 different elements used to configure the ventilation system for a specific project.

Full range available on the site

grenfox.com