INNOVATIVE
tool and design inc.

THEPROTECTOR

www.shoptheprotector.com

2023
PRODUCT LINE CATALOG
GREENHOUSE GROWING INDUSTRY / OUTDOOR PROTECTION

THEPROTECTOR by Innovative

75 years Manufacturing high quality products Engineered and assembled in **Michigan USA**, with local and global manufactured components.

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ABOUT US

THEPROTECTOR by INNOVATIVE T&D, is born in a 75-year old Family-Owned 3rd Generation. Manufacturing facility with extensive engineering experience, capabilities and R&D in various high quality products. We manufacture for the different market sectors.

OUR INDUSTRIAL GRADE Products, Provide the capability to accommodate most of all cannabis and Greenhouse Growing required equipment. Along with other products we make in our various manufacturing plants are work ready, tested and re-tested until we are convinced of readiness for customer safe and durable usage.

THEPROTECTOR is ready for Industrial and home applications, easy for transportation, storage. We offer free shipping buying directly from our market. **Part of the profits are donated to children with disabilities.**

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GREENHOUSE & GROWING INDUSTRY

OUTDOOR EQUIPMENT INDUSTRY

GREENHOUSE & GROWING INDUSTRY

THEPROTECT⊕R

HUMIDIFIER

HUMIDIFIER

200 PINT HUMIDIFIER

SPECIFICATIONS

Model	200 Pint Humidifier
Power Supply	110 V / 60 Hz
Max Coverage	1500 sq ft to 1800 sq ft

FEATURES

Industrial, Commercial-Grade
Standard Plug
Energy Save mode
Maximum 200 pints per day
Connect directly to water supply
Automatic water control
On and Off Switch

CONTENT

Humidifier 200 pint
3 way fogger cup
Improved design floater
12.5 Ft. 0.25 In hose
0.75 In hose connector
Directional fogger cup
Hose

SPECIFICATIONS

Model	Ultrasonic 600 Pint Humidifier
Mist Capacity	3 kg/hour
Supply voltage	115 V 60 Hz
Rated Input Current	5 A
Rated Input Power	450 W
Water Tank Capacity	8 L
Noise	-<30 dB (A)
Mist hole	110 mm x1
Body size	24.8 x 13.77 x 18.18 in | 630 x 350 x 462 mm
Net weight	40.78 Lbs | 18.5 Kg

FEATURES

Micro-computer LED Display
Precision humidity control (30%-90%)
Low water-level alarm
Automatic water refill
Stainless Steel water tank

CONTENT

Ultrasonic Humidifier
Water Filter
Manual

ULTRASONIC HUMIDIFIER

DEHUMIDIFIER

110 PINT DEHUMIDIFIER

SPECIFICATIONS

Model	110 Pint Dehumidifier
Dehumidifying Capacity	110 Pints | Day | 52L | Day (80 °F, 60%)
Supply Voltage	V-240 V / 50 HZ | AC110 V-120 V/60 Hz
Rated Input Current	3.2 A / 6.0 A (80 °F, 60%)
Rated Input Power	710 W / 635 W (80 °F, 60%)
Water Tank	1.2 GAL | 5.5 L
Scope of Application	40 to 50 m²
Dimensions (DxWxH)	16.92 x 20.27 x 32.48 in | 430 x 515 x 825 mm
Net Weight	77 Lbs / 36 kg

FEATURES
Humidity setting 20% to 90%
Rotary compressor
Easy operation
Ductable, hangable
Easy to move rolling wheels
Electronic control with 24 hr. timer
Air filter, easy to remove and clean
Water Pump & Solenoid included

CONTENT
110 Pint Dehumidifier
Water Filter
Manual

DEHUMIDIFIER

SPECIFICATIONS

Model	190 Pint Dehumidifier
Dehumidifying Capacity	U190 Pints | Day (80 °F, 60%)
Power Supply	V-220 V / 50 Hz | AC110 V / 120 V - 60Hz
Rated Current	5.8 A / 10.2 A (80 °F, 60%)
Power Consumption	1250 W / 1165 W (80 °F, 60%)
Noise	-<68 dB(A)
Air Circulation	850 m³/h
Working Temp	5 °C to 35 °C | 41°F to 95 °F
Recommended Room Size	70 to 100 m² (height 2.6 m)
Dimensions (DxWxH)	23.22 x 17.55 x 33.18 in | 590 x 446 x 843 mm
Net Weight	117 Lbs/53 kg

FEATURES
Humidity setting 20 % to 90%
Easy to move rolling wheels
Electronic control with 24 hr. timer
Air filter, easy to remove and clean
Water Pump & Solenoid included
Ductable, hangable
Rotary compressor

CONTENT
Ultrasonic Humidifier
Water Filter
Manual

190 PINT DEHUMIDIFIER

DEHUMIDIFIER

GENERATORS

225 PINT DEHUMIDIFIER

SPECIFICATIONS

Model	225 Pint Dehumidifier
Dehumidifying Capacity	225 Pints | Day (80 °F, 60%)
Power Supply	AC 220 V / 240 V - 60Hz
Power Consumption	1385W (80 °F,60%)
Noise	55 dB (A)
Air Circulation	529 CFM
Working Temp	55.4 °F ~ -95 °F (13 °C ~ 35 °C)
Recommended Room Size	200 ~ 400 m² (2152 ~ 4305 sq. ft)
Dimensions (DxWxH)	34.6 x 31.2 x 28.6 in / 792 x 880 x 727 mm
Net Weight	286.7lbs/ 130kg

FEATURES
Industrial design
Air filter MERV-11 purication
Rollable, movable and hangable
LCD humidity control from 10%-90%
Energy saving 6.7 Pints/kWh
Auto defrost / Adjustable fan speed
Fail code display
Ventilation System with Heat Recovery
Ductable / Max three-way air outlet

CONTENT
225 Pint Dehumidifier
Water Filter
Manual

SPECIFICATIONS

Model	CO_2 Generator NG
Power	400 ma @ 25 V DC
Ouput	4, 8 or 12 Burner
Dimension (DxWxH)	17.32 x 10.35 x 21.65 in | 44 x 26.3 x 55 cm
Chain Lenght (DxWxH)	17.32 x 10.35 x 22.04 in | 44 x 26.3 x 56 cm
Gas type	Natural Gas
Average BTU'S of Heat	27,000 BTU/h

FEATURES
Dual redundant solenoids
Stainless steel burners
Durable powder coated chassis
Brass gas burners rust resistant
Insulation material on the top / sides
Ceiling hooks and sturdy jack chain
TIP OVER switch shuts off failure
Four wheels with brake
Easy to move and locate

CONTENT
CO_2 Generator
CO_2 Regulator
Hose with valve
120 Volt Power
Manual

CO2 GENERATOR 12 BURNERS NG

GENERATORS

GENERATORS

CO2 GENERATOR 12 BURNERS LGP

SPECIFICATIONS

Model	CO_2 Generator LGP
Power	400 ma @ 25 V DC
Ouput	4, 8 or 12 Burner
Dimension	17.32 x 10.35 x 21.65 in | 44 x 26.3 x 55 cm
Chain Lenght	17.32 x 10.35 x 22.04 in | 44 x 26.3 x 56 cm
Gas type	Liquid Gas Propane
Average BTU'S of Heat	33,000 BTU/h

FEATURES
Dual redundant solenoids
Stainless steel burners
Durable powder coated chassis
Brass gas burners rust resistant
Insulation material on the top / sides
Ceiling hooks and sturdy jack chain
TIP OVER switch shuts off failure
Four wheels with brake
Easy to move and locate

CONTENT
CO_2 Generator
CO_2 Regulator
Hose with valve
120 Volt Power
Manual

SPECIFICATIONS

Model	Air Purifier 500
CFM	500
Voltage	120 V - 60 Hz 210 W
Amps	2.4
Power Cord	14 ga, 10
Onboard Outlet	Aux 120 V, TS AC; Max. Output 8 AMPS
Filters	Pre Filter, HEPA Filter, Carbon Filter, UV-C Light
Dimensions (DxWxH)	19.88 x 15.35 x 18.31 in

FEATURES
Commercial Grade
Industrial Air Scrubber / Air Purifier
Advanced UV-C Light Technology
Higher Purify Performance over 99.97%
Rollable, hangable, movable
Air flow regulator switch
2 auxiliary outlets
Activated Carbon Filter
Pre Filter
HEPA Filter

CONTENT
Ultrasonic Humidifier
Water Filter
Manual

AIR PURIFIER 500

MODULAR DEVICES

MODULAR DEVICES

CO_2 CONTROLLER

SPECIFICATIONS

Product	CO₂ PPM Controller
Max Amp	14.5 A @ 120 V AC - 60Hz
Sensor Cord Lenght	15 ft / 4.5 m
Co2 Control Range (PPM)	400 ~ 5000
Co2 Accuracy (PPM)	+/-50
Weight	2.1 Lbs / 1 kg
Dimensions (DxWxH)	5.07 x 4.68 x 1.95 in / 130x120x50 mm
Altitude	Up to 6500 ft/ 2000 m
Operating Temperature Range	40-105 °F / 4-40° C
Maximum Relative Humidity	80%
IP Rating	IP20

FEATURES

PPM UP for Co2 generator use
FUZZY LOGIC for superior accuracy
PPM DOWN if desired
ETL, CE and FCC Certified
Ret points range from 400-2000
Accuracy of +/- 100 PPM
Adjustable deadband

CONTENT

CO2 Controller
CO2 Sensor with Photocell
Wall/Tent mounting hardware
4.5 Meters CO2 Sensor cable
Remote Sensor

SPECIFICATIONS

Product	CO₂ Regulator
Pressure gauge	0-4000 PSI
Gauge size	1.58 in
Flowmeter	0-15 SCFH
Inlet connection	cga-320

FEATURES

Enhance the amount of CO₂
Long lasting durable brass components
Speed up growth rates/yields up to 40%
High end bronze and glass design

CONTENT

Regulator
Flow gauge
Industrial selenoid valve
Plasting dispensing tubing
USA standard 3-prong plug

CO_2 REGULATOR

MODULAR DEVICES

MODULAR DEVICES

HUMIDITY CONTROLLER

SPECIFICATIONS

Product	Humidity Controller
Max Amp	10 A at 120V AC - 60 Hz
DAY Humidity Setting	Adjustable 15 ~ 90% rH
NIGHT Humidity Setting	Adjustable 15 ~ 90% rH
Humidity Dead-Band (Hysteresis)	5% rH
Sensor Cord Length	15 ft
Weight	2 lbs / 1kg
Dimensions (DxWxH)	7.6 x 3.8 x 3.6 in
Usage	Indoor only
Operating temperature	50 °F to 95 °F
Maximum relative humidity	95%

FEATURES

Humidifier/Dehumidifier controller
Plug and Play / Ready to use
Easy to Set up
Day / Night Mode (24h)

CONTENT

Humidity Controller
Wall/Tent mounting hardware
4.5 Meters Cable
Remote Sensor

SPECIFICATIONS

Product	Lighting Controller CHL-Pro
Dimensions (DxWxH)	4.33 x 2.55 x 0.82 in / 110 x 21 x 65 mm
Weight	4 oz / 115 g
Power supply	100 V / 240 V AC - 50/60 Hz / 15 DC (1000 mA)
Max control voltage	11.5 V
Max voltage / current alarm contacts	(NO/NC) 13.5 V / 50 mA
Max cable length per port	328 ft / 100 m / 820 ft / 250 m
Maxnumber of ballast per port	40/250
Total number of ballasts per controller	80/500

FEATURES

Dual Channel for External Modules
Control up to 40 fixtures or ballast
Controlling auxiliary equipment
Temperature shutdown
Sensor Failure
Sunrise and sunset simulation
Easy to isntall / Easy operation
Power off alarm

CONTENT

Ligh Controller CHL-Pro
2 Controller RJ cable (16 ft)
15V DC power adapter
Temperature sensor w/cable
Mounting Plate
2 Plug
Manual

LIGHTING CONTROLLER

MODULAR DEVICES

AQUA C-1 CONTROLLER

SPECIFICATIONS

Product	Innovative AQUA C-1
Power	120 V AC / 15 V AC - 60Hz, 1 A
DC24 Outlets	6 sets AC 24 V / 0.3 A
Dry contact	6 sets
RJ12 Outlets	3 sets DC24V, 1.0A
RS485 Outlets	3 sets DC24V, 1.0A
RS485 Water level sensor	1 set DC24V, 1.0A
Outlet	RJ45
Dimensions (DxWxH)	11.41 x 8.85 x 3.74 in / 290 x 225 x 95 mm
Cable lenght	6.5 ft / 2 m IP20
Net Weight	6.61 Lbs / 3.0 Kg
EC Sensor	(0-10) 1 set
PH Sensor	(0-14) 1 set

FEATURES

Growing lights control
Timing and circulation control
Scheduled growing scheme
Custom nutrition formulas
Mixing works
Recirculation mode
Extra pumps feature

CONTENT

Aqua C-1 with 4 pumps
EC Sensor (0-6 mS/cm)
PH Sensor (0-14)
Pressure-Type Stage Sensor
4 2.5 m Tube
2.2 m Power Cord
12 Dry Contact Connector
10 Self-tapping Screws 1
10 Ring Expansion Screw

OVERVIEW

This irrigation system can be added to the modular Aqua C-1 device.

Equipped with 5' HD touch screen to provide the best human-computer interaction.

Aqua C-1 has 5 sets of 24V DC outputs and 4 sets of 220V outputs, can be used for mixing, recirculation and extra pumps.

AUTOMATION PLAN

Automatic growing plan, includes automatic nutrition distribution, automatic water supplement and automatic irrigation. All in one compact modular unit.
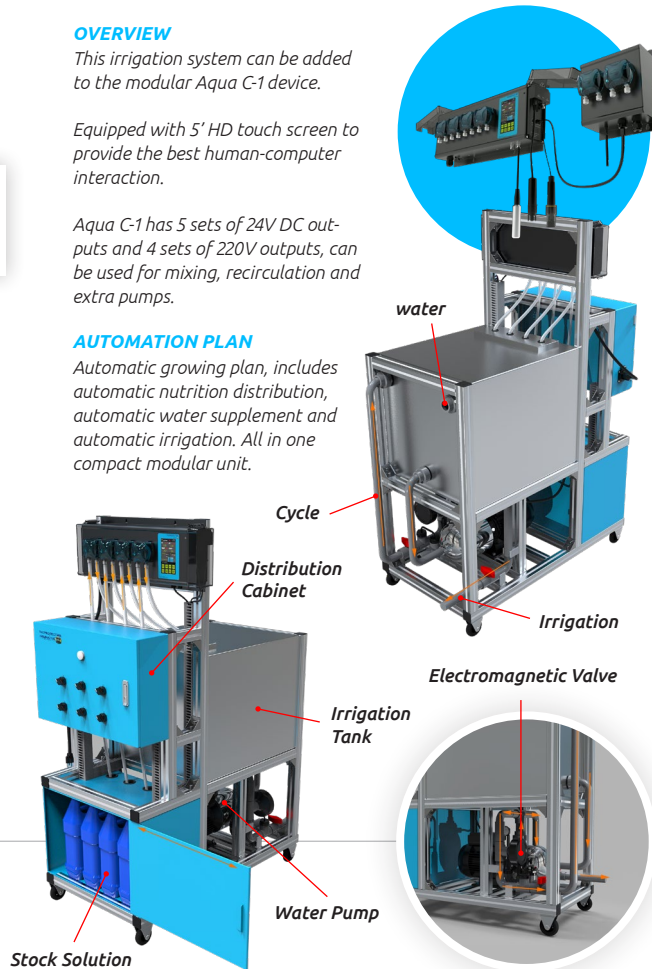
AQUA C-1 IRRIGATION SYSTEM

MODULAR DEVICES

GROW LIGHTS

LIGHT DIMMER

DESCRIPTION

Light Dimmer works perfectly in any grow room. Controls up to 500 lights. Great addition for your Growing setting. Is a manual light intensity controller. User can use it to turn on/off, or boost a single fixture to daisy-chained fixtures.

SPECIFICATIONS

Product	Light Dimmer
Dimensions (DxWxH)	3.1 x 2.6 x 1.8 in / 78 x 66 x 46 mm
Weight	0.3 lbs / 135 g
Inout connector	RJ 6P6C
Output Voltage	0 ~ 11.5 V

FEATURES
Manual light intensity controller
Turn on/off / Dim / Boost a single fixture to daisy-chained
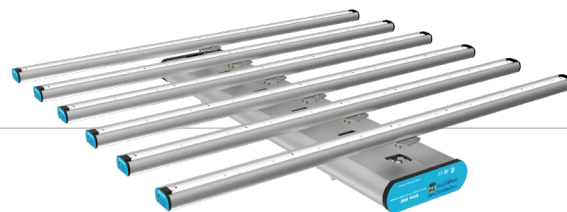
CONTENT
Light Dimmer
Manual

SPECIFICATIONS

Model	Elite 600
Full Spectrum	380 nm ~ 780 nm
Efficacy (1650umols-1)	Over 2.7 umol/J at 600 W
Wet Location	IP65, UL 8800
Light Transmission	97%
Amp Draw	2.7 A
Wattage	600 W
Power factor	>0.9
PPF	1650 umol/s
Dimensions (DxWxH)	38.97 x 38.97 x 4.33 in / 990 x 990 x 110 mm
BTU	2100 BTU/h
Driver Brand	Moso
Light Source	Osram 660nm + Samsung 301b or Seoul
Digital Dimming	Digital signal (RS485): 0-100%
Analog Dimming	Analog signal (0-10Vdc): 35-100%

FEATURES
Improve active ingredients contents
Saving energy while produce more
Make planting easier
Easily sterilized
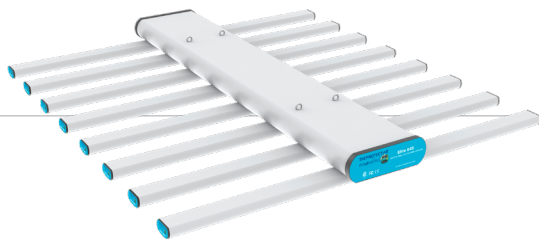With silicone conformal coating
Sealed shut
No fans needed

CONTENT
6 LED Bars
Central Mast
2 Waterproof Connector
Network Cable
Power Cable
4 Rope Slings
Dummy Plug

600W ELITE LED LIGHTS

GROW LIGHTS

GROW LIGHTS

645W ELITE LED LIGHTS

SPECIFICATIONS

Model	Elite 645
Full Spectrum	380 nm ~ 780 nm
Efficacy (1750umols-1)	Over 2.7 umol/J at 645 W
Wet / Damp Location	IP65, UL 8800
Light Transmission	97%
Amp Draw	5.4 A @ 2120 V, 2.7 A @ 240 V, 2.3 A @ 277 V
Wattage	645 W
Power factor	>0.97
PPF	1750 umol/s
Dimensions (DxWxH)	49.29 x 43.34 x 4.33 in / 1252 x 1101 x 110 mm
BTU	2200 BTU/h
Driver Brand	Moso
Light Source	Osram 660 nm + Seoul white 4000K
Digital Dimming	Digital signal (RS485) 0 ~ 100%,
Analog Dimming	Analog signal (0 ~ 10 V DC): 35 ~ 100%

FEATURES
Improve active ingredients contents
Suitable for GMP & GACP facility
Make planting easier
Easily sterilized
With silicone conformal coating
Sealed shut
No fans needed

CONTENT
8 LED Bars
Central Mast
2 Waterproof Connector
Network Cable
Power Cable
4 Rope Slings
Dummy Plug

SPECIFICATIONS

Model	Elite 1000
Full Spectrum	380 nm ~ 780 nm
Efficacy (2650umols-1)	Over 2.6 umol/J at 1000 W
Wet / Damp Location	IP65, UL 8800
Light Transmission	87%
Amp Draw	8.4 A @ 120 V, 4.2 A @240 V, 3.6 A @ 277 V
Wattage	1000 W
Power factor	>0.9
PPF	2650 umol/s
Efficacy	2.7 umol/J
BTU	3400 BTU/h
Driver Brand	Moso
Light Source	Osram 660nm + Samsung 301b or Seoul
Digital Dimming	Digital signal (RS485): 0-100%
Analog Dimming	Analog signal (0-10Vdc): 35-100%

FEATURES
Improve active ingredients contents
Suitable for GMP & GACP facility
Make planting easier
Easily sterilized
With silicone conformal coating
Sealed shut
No fans needed

CONTENT
8 LED Bars
Central Mast
2 Waterproof Connector
Network Cable
Power Cable
4 Rope Slings
Dummy Plug

1000W ELITE LED LIGHTS
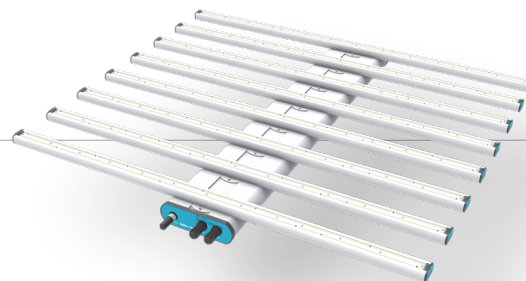
CULTIVATION TOOLS

CULTIVATION TOOLS

SUPER CROPPER

DESCRIPTION

The Super Cropper Tool is specifically designed to avoid in the overall process without causing irreversible damage to your plants.

SPECIFICATIONS

Product	Super Cropper Tool
Dimensions (DxWxH)	8.25 x 3.5 x 0.75 in
Weight	4 Oz / 113 g

FEATURES

Ergonomic design, to give best comfort
Specialized finish and grip to avoid damaging
Easy to conceal, carrying around
Ready for work

CONTENT

2 Cropper Tool
Instructions

SPECIFICATIONS

Product	LCD Moisture & Humidity Meter
Display	LCD with green color backlight
Measurements Wood range	6 to 60%
Measurements Building Material range	1.5 to 33%
Measurement temperature range	32 to 122 °F / 0 to 50 °C
Wood and building material accuracy	±4 °F / ±15 °C
Accuracy temperature	±2%
Operating temperature	32 °F ~ 104 °F / 0 °C ~ 40 °C
Relative Humidity operation	<85%RH
Resolution Wood and building material	0.1%
Operating Power	2 LR03 AAA / 1.5 batterie

FEATURES

Low Battery and Power indicators (<2.2V)
8 calibration scales (A,B,C,D,E,F,G,H)
Different types of wood materials
Hold function to freeze the measurement
Protective Cover fits on end of instrument
Automatic 3 min Power-off
Quick Response

CONTENT

LCD Moisture Meter
Manual instructions
No batteries included

LCD MOISTURE METER

CULTIVATION TOOLS

CULTIVATION TOOLS

MOISTURE & HUMIDITY METER

DESCRIPTION

Measure the amount of water vapor in gases, most often in air, in buildings, pipelines, or as part of industrial or agricultural processes to ensure the optimal amount of moisture is present. High humidity also makes temperatures feel warmer, affecting comfort levels and straining HVAC systems. Low humidity, on the other side, will dry things out and can lead to a static electricity build up.

SPECIFICATIONS

Product	Moisture & Humidity Meter
Display	Three color leds indicator
Tests Moisture Content	6 to 60%
Accuracy	±2%
Operating Temperature	32 °F ~ 122 °F / 0 °C ~ 50 °C
Operating Humidity	<90%RH

FEATURES

Low Battery and Power indicators
Protective Cover fits on end of instrument
Quick Response
Accuracy ±2%
Easy to use

CONTENT

Moisture Meter
Manual instructions
No batteries included

SPECIFICATIONS

Product	Dry Rack 6 Trays
Diameter	2 ft / 0.6 m & 3 ft / 0.91 m
Trays	6
Belts	Adjustable from 3 ~ 9 in height
Volumetric dimension	12 sq ft
Max weight supported by tray	N/D
Max total weight supported	N/D
Material	Polyester Mesh Fabric

FEATURES

Center reinforcement, to carry load safely
Double built, for extra strenght
Safety Carabiner steel made

CONTENT

3 FT Dry Rack
6 Mesh Fabric Trays
Digital Scale

DRY RACK 6 TRAYS 2 FEET

CULTIVATION TOOLS

ACCESORIES

DRY RACK 6 TRAYS 3 FEET

3 FEET

DESCRIPTION

Ideal replacement for your CO_2 Generator, when serving time has expired, providing you with 12 FEET, for easy installation and convenience. Built as original specifications, for easy replacement, and keep growing business going, without issues.

SPECIFICATIONS

Product	CO2 Generator NG 12' Hose
Lenght	12 in
Box dimension (WxH)	N/D
Weight	N/D

FEATURES
Hose connection
High quality product
Reinforced connector
Mesh hose
Portable

CONTENT
Regulator
Hose

SPECIFICATIONS

Product	Dry Rack 6 Trays 3 FT
Diameter	3 ft / 0.91 m
Trays	6
Belts	Adjustable from 3 ~ 9 in height
Volumetric dimension	12 sq ft
Max weight supported by tray	N/D
Max total weight supported	N/D
Material	Polyester Mesh Fabric

FEATURES
Center reinforcement, to carry load safely
Double built, for extra strenght
Safety Carabiner steel made

CONTENT
3 FT Dry Rack
6 Mesh Fabric Trays
Digital Scale

CO2 GENERATOR HOSE REPLACEMENT

GROWING MEDIA

GROWING MEDIA

MAGIC POT COCO COIR 1 & 2 GALLON

SPECIFICATIONS

Material Basis	Coco
Box material	Polybag
Brick Dimension (DxWxH)	6 x 6 x 1.8 in
Volume	1 & 2 Gal

OVERVIEW
THEPROTECTOR Magic Pot is a premuim Washed coco coir with Naturally high water Retention. Start growing without any preface. Just open box, plant your seeds and start watering.

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

APPLICATIONS
Aeroponic
Drip System
NFT System

OVERVIEW
THEPROTECTOR Magic Pot is a premuim Washed coco coir with Naturally high water Retention. Start growing without any preface. Just open box, plant your seeds and start watering.

SPECIFICATIONS

Material Basis	Coco
Box material	Non-woven
Brick Dimension (DxWxH)	6 x 6 x 1.8 in
Volume	1 & 2 Gal

FEATURES
Prime Quality
Stabilized for proper PH 6-7
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

NON-WOVEN COCO COIR 1 & 2 GALLON

GROWING MEDIA

GROWING MEDIA

3 GALLON COCO COIR

DESCRIPTION

THEPROTECTOR COCO COIR is a great solution to start growing without any preface. Just open box, plant your seeds and start watering. Coco Coir boasts a massive water-holding capacity while maintaining excellent drainage and aeration. Designed to be used alone or mixed with other mediums to increase water retention and improve soil structure.

SPECIFICATIONS

Material Basis	Coco
Box material	Non-woven
Brick Dimension (DxWxH)	2.76 in x 7.48 in x 9.25 in
Volume	3 Gal

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

DESCRIPTION

THEPROTECTOR COCO COIR is a great solution to start growing without any preface. Just open box, plant your seeds and start watering. Coco Coir boasts a massive water-holding capacity while maintaining excellent drainage and aeration. Designed to be used alone or mixed with other mediums to increase water retention and improve soil structure

SPECIFICATIONS

Material Basis	Coco
Box material	Stretch Film
Brick Dimension (DxWxH)	1.97 in x 11.81 in x 11.81 in7
Volume	5 Gal

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

5 Gallon Fabric Pot included

5 GALLON BRICK COCO COIR

GROWING MEDIA

GROWING MEDIA

7 GALLON BRICK COCO COIR

7 Gallon Fabric Pot included

DESCRIPTION

THEPROTECTOR COCO COIR is a great solution to start growing without any preface. Just open box, plant your seeds and start watering. Coco Coir boasts a massive water-holding capacity while maintaining excellent drainage and aeration. Designed to be used alone or mixed with other mediums to increase water retention and improve soil structure.

SPECIFICATIONS

Material Basis	Coco
Box material	Stretch Film
Brick Dimension (DxWxH)	2.91 in x 11.81 in x 11.81 in
Volume	7 Gal

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

DESCRIPTION

THEPROTECTOR COCO COIR is a great solution to start growing without any preface. Just open box, plant your seeds and start watering. Coco Coir boasts a massive water-holding capacity while maintaining excellent drainage and aeration. Designed to be used alone or mixed with other mediums to increase water retention and improve soil structure.

SPECIFICATIONS

Material Basis	Coco
Box material	Stretch Film
Brick Dimension (DxWxH)	N/D
Volume	10 Gal

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

10 Gallon Fabric Pot included

10 GALLON BRICK COCO COIR

GROWING MEDIA

GROWING MEDIA

15 GALLON BRICK COCO COIR

15 Gallon Fabric Pot included

DESCRIPTION
THEPROTECTOR COCO COIR is a great solution to start growing without any preface. Just open box, plant your seeds and start watering. Coco Coir boasts a massive water-holding capacity while maintaining excellent drainage and aeration. Designed to be used alone or mixed with other mediums to increase water retention and improve soil structure.

SPECIFICATIONS

Material Basis	Coco
Box material	Stretch Film
Brick Dimension (DxWxH)	6 in x 11.81 in x 11.81 in7
Volume	15 Gal

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

DESCRIPTION
THEPROTECTOR COCO COIR is a great solution to start growing without any preface. Just open box, plant your seeds and start watering. Coco Coir boasts a massive water-holding capacity while maintaining excellent drainage and aeration. Designed to be used alone or mixed with other mediums to increase water retention and improve soil structure.

SPECIFICATIONS

Material Basis	Coco
Box material	Non-woven
Brick Dimension (DxWxH)	6 x 6 x 1.8 in
Box Weight	30 Lb

FEATURES
Prime Quality
100% Organic Coco Coir
Less than 0.8 EC
Pathogens Free
Stabilized for proper PH 6-7

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

32 BRICKS COCO COIR BOX

CONTAINERS

CONTAINERS

7 GALLON FABRIC POT

OVERVIEW

THEPROTECTOR Non-woven Pot is a high-end container to start planting immediately. It is permeable and drainable and lets start watering without any harmless. Ready to use.

SPECIFICATIONS

Pot Material	Non-Woven Fabric
Handles material	Canvas
Diameter	14 in
Height	12 in
Capacity	7 Gal

FEATURES
Foldable
Drainable
Biodegradable

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

OVERVIEW

THEPROTECTOR Non-woven Pot is a high-end container to start planting immediately. It is permeable and drainable and lets start watering without any harmless. Ready to use.

SPECIFICATIONS

Pot Material	Non-Woven Fabric
Handles material	Canvas
Diameter	19.9 in
Height	14 in
Capacity	15 Gal

FEATURES
Foldable
Drainable
Biodegradable

COMPATIBLE PLANTS
Bonsai, Cactus, Flower, Fruit, Herbs, Orchid, Potted Plant, Rose, Shrub, Succulent, Tomato, Vegetables.

15 GALLON FABRIC POT

GREENHOUSE SYSTEM

GREENHOUSE SYSTEM

MASTER ENVIRONMENTAL CONTROLLER

SPECIFICATIONS

Product	Master Environmental Control C-1
Input Voltage	120 V 60 Hz 0.5 A (customizable)
Input Voltage	220 ~ 240 V 50 Hz 0.5 A (customizable)
AC signal output (PORT)	10-channel AC 24 V / 50 mA
Other signal output ports	RJ12 x 4, 4-channel RS485
RJ12 Signal line output	DC24V, 1.0A
Operating Environment	5 °C to 40 °C
Relative Humidity	80% (no frosting)
Network port	RJ45
Dimensions (DxWxH)	4 x 17 x 14 in
Power cord length	≈2 m / 6.5 ft
Net weight	6.6 lbs
Gross weight	9.3 lbs

FEATURES

Temp / Humidity control
CO_2 control
Day / Night Settings
Light Dimming control
Automatic Nutrient dosing
Automatic Irrigation mode
Sun R/S simulation

CONTENT

4 Self-tapping screws
4 Ring Expansion Screw
4 in 1 Sensor (CO_2, %RH, Temp, Light)
AC Station Module
Light Control Module
Y-splitter
2 RS485 cable 5.0m

SPECIFICATIONS

Product	Modular 40HQ Container Farm
Climate Factor	Spec
Working temperature allows	-31 to 122 °F / -35 to 50 °C
Rooom temperature allows	41 to 86 °F / 5 to 30 °C
HVAC System	12 kW
Humidity control	40 ~ 85%
CO2 Level	400 ~ 1,500 ppm
Dehumidification capacity	280 L/Day
Humidification capacity	192 L/Day
Total kW	30 kW
Voltage	480 V (16 m² higher advised)
Color	Blue and White
Individual Size (DxWxH)	12.19 x 2.43 x 2.89 m

DESCRIPTION

A complete automatic Greenhouse Growing Modular System to start harvesting based on your skills. It can resist the erosion of alkali, mild chemicals, acid rain and mildew. Use Wear resistance and UV protection Logo printing. High yeld in control area. Smart remote control system (APP) to manage all functions. GPS control. Green production, no pesticide, cero residues and 95% less water than any other. Optional solar panel supply. Fast return on investment (ROI 1 Yr).
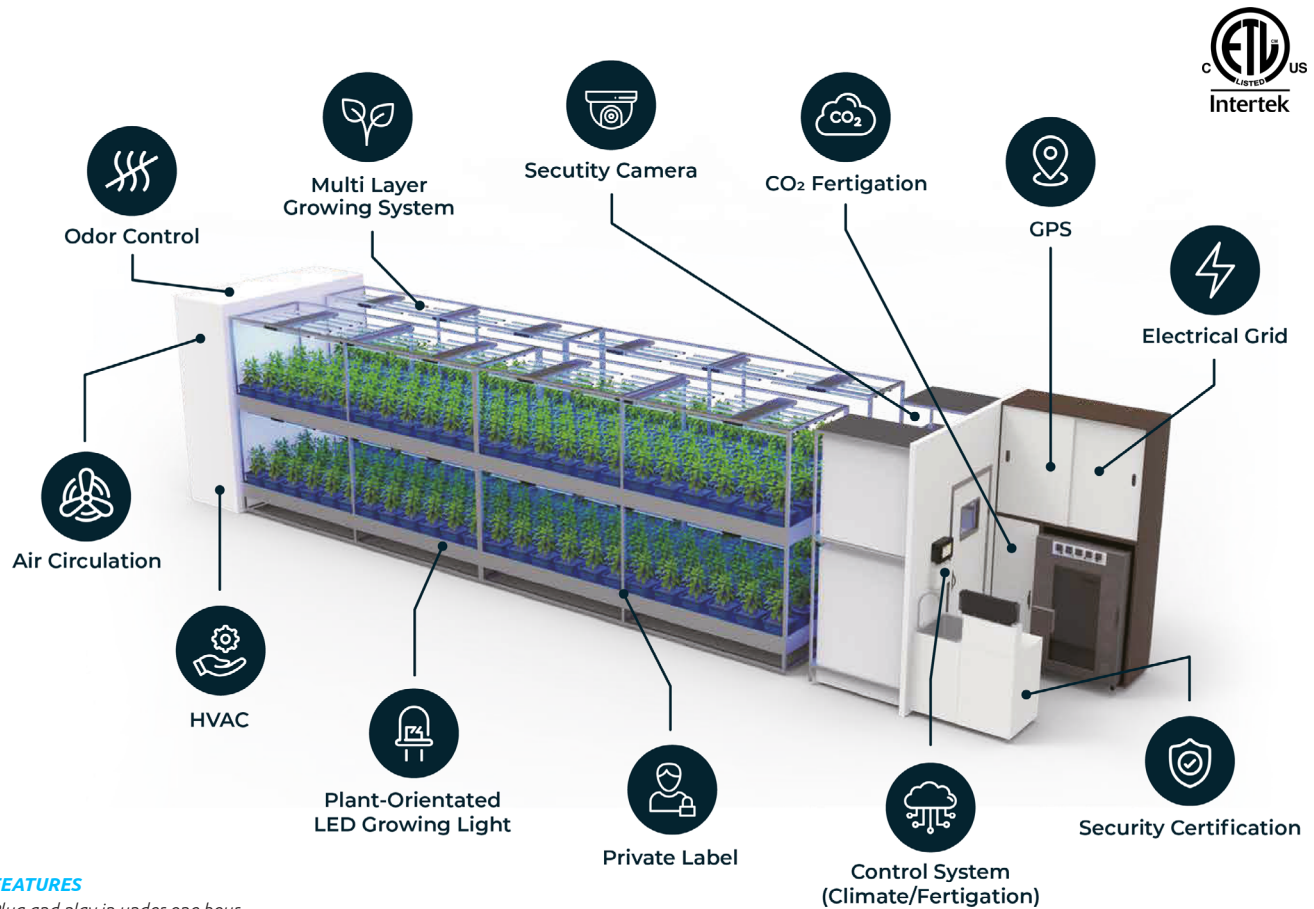

MAGIC FARM MODULAR CONTAINER

MAGIC FARM MODULAR CONTAINER

THEPROTECTOR MODULAR CONTAINER GROWING SYSTEM CONTENTS

- Odor Control
- Multi Layer Growing System
- Secutity Camera
- CO_2 Fertigation
- GPS
- Electrical Grid
- Air Circulation
- HVAC
- Plant-Orientated LED Growing Light
- Private Label
- Control System (Climate/Fertigation)
- Security Certification

FEATURES

Plug and play in under one hour.
No buildings to prepare or technicians required.
Start Growing and Harvesting based on your skills.

Individual Box Container Farm

Purpose
Grow from nurcery to harvest, Medicinal & recreational Plants, vegetables, fruits, flowers, Greens, etc.

MEDICINAL HERBS

Combination network Multiple Modular Farms

Purpose
Efective Mass production, Teilor engineering per customer requirements.

GREENS

FRUIT VARIETY

FLOWERS AND PLANTS

Cultivation Possibilities

You can choose to grow more than **200 cultivars in our container farms.**

SEEDING / PROPAGATION

LEAFY VEGETABLE

VALUABLE HERBS

TDRU 715394 0

100% Fresh in hands.

+/- 40°C In extreme climate

25 times Higher yield

O Residues

20 hours Labor requests weekly

95% Less Land

90% Less water

OUTDOOR EQUIPMENT INDUSTRY

THEPROTECTOR

WEEDWACKER COVERS

TRIMMER / EDGER COVER

DESCRIPTION

Our Covers are made with high-end materials, giving the best durability and protection to trimming and backpack blower machines. They are mold resistant, foldable, durable, and extra reinforced seams, providing a long-lasting product.

SPECIFICATIONS

Product	Trimmer/Edger Cover Protector
Material	600D+PVC
Size (WxH)	13 in x 16 - 20 in
Item diameter	10.5 in
Weight	0.8 Lbs

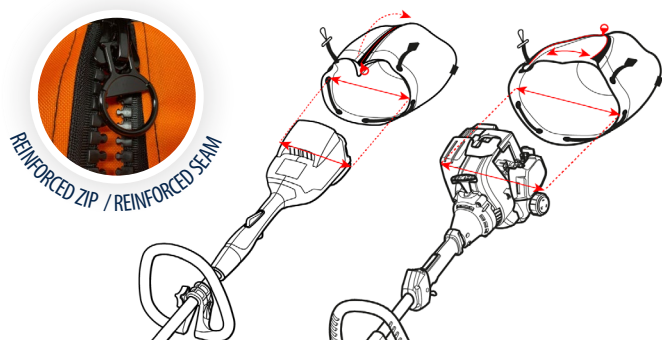| COLORS	FEATURES	COMPATIBLE PRODUCT
Red	UV Resistant	Weed Trimmer
Orange	Mold resistant	String Trimmer
Green	100% Waterproof	Brushless Cutter
Teal	No stretch	Brush Cutter
Black	Coated	

OVERVIEW

Ideal to cover outdoors equipment from the elements, as water, dust, debris, and more. Specially design, to keep your different type of equipment safe and worth for a longer life and better performance.

EXPANDABLE DESIGN

THEPROTECTOR Covers are specially designed to adjust wrap size in order to fit most trimmer machines on market and a unique feature among our competitors.

REINFORCED ZIP / REINFORCED SEAM

BACKPACK COVERS

BACKPACK BLOWER COVER

DESCRIPTION
Our Covers are made with high-end materials, giving the best durability and protection to trimming and backpack blower machines. They are mold resistant, foldable, durable, and extra reinforced seams, providing a long-lasting product.
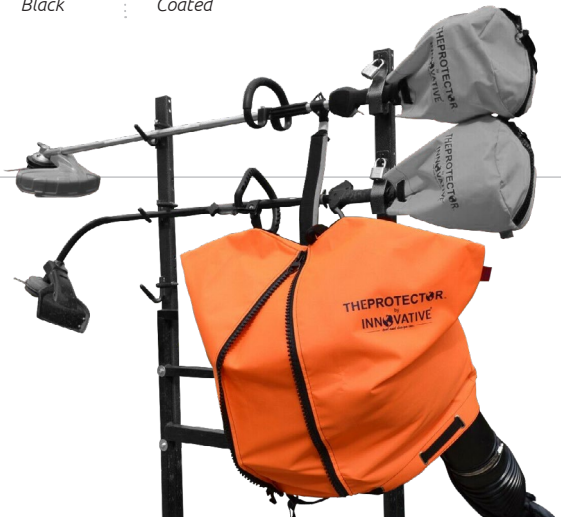
SPECIFICATIONS

Product	Trimmer/Edger Cover Protector
Material	600D+PVC
Size (WxH)	26.5 in x 28 - 31 in
Belt	39 in lenght
Weight	1.71 Lbs

COLORS
Red
Orange
Green
Teal
Black

FEATURES
Inner loop for easy cleaning / Strap for easy carry
Built-in safety belt for transportation and lock
UV and Water resistant
No stretch
Coated

OVERVIEW
Ideal to cover outdoors equipment from the elements, as water, dust, debris, and more. Specially design, to keep your different type of equipment safe and worth for a longer life and better performance.

COMPATIBLE BRAND
For STIHL, for ECHO, for Husqvarna, for Ariens, for BLACK+DECKER, for Broan, for Craftsman, for EGO, for Green Machine, for Homelite, for Kawasaki, for Kobalt, for Mantis, for MTD, for Murray, for Paramount, for Poulan, for RYOBI, for Sarlo, for Sears, for Shindaiwa, for STIH, for Toro, for Troy-Bilt, for Turf King, for Walbro, for Weed Eater, for WORX, for ZAMA, for Ruixing.

TRACTOR PROTECTION

CANOPY KIT FOR ROPS SYSTEM

DESCRIPTION

Provides a great protection to your outdoor work with trimmer tracktor machines and makes easy carring your tools. Includes a canopy shade and two carrier brackets that lets carry trimmer/edger and backpack blower machines.

SPECIFICATIONS

Product	Magic Canopy Kit for ROPS Systems
Material	Metal, 600D Oxford cloth, PVC coating
Size (DxWxH)	36 x 41 x 10 in
Fit Rops lenght	2x2 / 2x3 / 2x4 in
Weight	35 Lbs

COLORS
Red
Orange
Green
Teal
Black

FEATURES
UV Resistant
Mold resistant
100% Waterproof
No stretch
Coated

COMPATIBLE PRODUCT
ROPS System Tractors
CROPS System Tractors
Mower Tractors with rack
Zero Turn Machines

CANOPY SHADE

Designed to provide protection against weather conditions and sun. Made with solid metal structure, PVC and and high-end plastic parts.

HANGER BRACKETS

Multiple purpose hanger bracket welded to the trimmer carrier.

WHY IS MAGIC?

Mounting shade and brackets allows to be ready in under 5 minutes. No tools or assembly is required.

INCLUDED

1 Canopy Shade System
1 Trimmer/Edger brackets
1 Backpack holder
2 Side roll sunshades
2 View rear view mirrors
1 Magnetic Mounting Bucket
1 Trash picker
3 Fit rops (2x2"/2x3"/2x4")

NOT INCLUDED

Trimmer / Edger Covers
Backpack Blower Covers
Weedwacker Machines
ROPS Tractor

THEPROTECTOR

BODY PROTECTION

DISPOSABLE HELMET

DESCRIPTION

Recomended use on but not limited to light sports such as scooter riding, skateboarding, bicycling, playgrounds, small children learning to walk, elderly people who are prone to fall, children with special needs, specially with compromised mobility, post surgery, senior home care, daily walks, snow days and slippery roads and floors, home chores, etc.

SPECIFICATIONS

Product	Disposable Helmet
Pad Material	Expandable Polyethylene
Thickness padded areas	20 mm
Cover material	Non-woven fabric
Package weight	3.5 Lbs

COLORS
Blue
Yellow
Teal

FEATURES
It is flexible, squeezable, soft, folding or rolled for practical compact handling, packaging, shipping and or carrying purposes.

CONTENTS
Sanitized at Package till customer opens the vacuum sealed pouch.
5 pieces per pack included.

BENEFITS
Disposable
Antimicrobial
Biodegradable materials
No maintenance need it
Ready to use
Confortable
Foldable
Back and front reflective ink
Retraining ropes
Non-woven fabric
Expandable Polyethylene Pads
Ultrasonic sewing

SMALL SIZE
Diameter: 18.1-20"
Deep: 7.75"
Width: 5.9"
Weight: 0.5 lb(s)

MID SIZE
Diameter: 20-22.8"
Deep: 7.08"
Width: 6.69"
Weight: 0.6 lb(s)

LARGE SIZE
Diameter: 21.3-23.6"
Deep: 8.34"
Width: 7.12"
Weight: 0.7 lb(s)

MOUNTING BRACKETS

MOUNTING BRACKET HOME EDITION

DESCRIPTION
Trimmer mounting Kit was designed to support and allow the user to carry weedwhacker, trimmer, edger and not limited to a suitable fit machine till 25 Lbs or less. Same applies to the trash picker. This Kit is designed but not limited to the mowers and tractors which need to carry with the trimmer in the job.

SPECIFICATIONS

Model	House Kit Mounting Bracket
Material	Metal / Plastic
Mounting bracket size	24 in
Max bracket lenght	30 in
Weight	N/D

COMBINATION POSSIBILITIES
The mounting system comes with two holder brackets and they can be fixed in different levels in the mounting bracket, allowing to combine more than 5 possibilities.

COMPATIBLE WITH
ROPS tractors
Home tractor
Pickup trucks
Mowers
Trailers

PRODUCT
House Kit Mounting Bracket

ADVANTAGES
Mounting brackets allows to the most of trimmer/edger in the market.

Can be ready in under 5 minutes.

No tools, hard manuals or assembly is required.

More than 5 combinations possibilities.

FEATURES
Placeable on any small surface
No assembly required
Light and hangable
Waterproof
Easy to install
Plug and play
Hangable
Easy clips

CONTENTS
Mounting bracket
Trimmer brackets
Trimmer edger
6 Knob screws
Trash picker holder
Trash picker

MOUNTING BRACKETS

MOUNTING BRACKET TRAILER EDITION

DESCRIPTION

THEPROTECTOR Trimme & Blower Mounting Kit was designed to support and allow the user to carry a weedwhacker, trimmer, edger and not limited to a suitable fit machine 25 Lbs or less. Same applies to the Backpack blower and Leaf blower machines. To be mounted on the rear of the canopy and smal surface, allowing this Backpack Blower machine to be carried along to assist the operator. Same applies to the trash picker.

SPECIFICATIONS

Model	Trimmer and Blower Trailer Kit
Material	600D+PVC
Mounting bracket size	26.5 in x 28 - 31 in
Max bracket lenght	39 in lenght
Backpack Blower holder size	N/D
Weight	N/D

COMPATIBILITY

Trailers
Pickup Trucks
Small surfaces
Tractors

COMBINATION POSSIBILITIES

The mounting system comes with two holder brackets and they can be fixed in different levels in the mounting bracket, allowing to combine more than 5 possibilities.

PRODUCT

Trimmer/Blower Trailer Kit

ADVANTAGES

Mounting brackets allows to the most of trimmer, edger and backpackc blower in the market.

Can be ready in under 5 minutes.

No tools, hard manuals or assembly is required.

More than 5 combinations possibilities.

FEATURES

Placeable on any small surface
No assembly required
Light and hangable
Waterproof
Easy to install
Plug and play
Washable
Hangable
Easy clips

CONTENTS

Mounting bracket
Two layers Trimmer bracket
Blower brackets
8 Knob screws
Trash picker

ACCESORIES

MAGNETIC MOUNTING BUCKET

DESCRIPTION

This bucket with magnetic mount for outdoor lawnmower machinery, to cover but not limit use on Zero turn Machines, riding tractors of all sizes and shapes. It can be used as a trash can, trash bucket, trash basket, water or any moderated liquid amount, granulates or solids according to customer/user discretion while operator of tractor/machine is in working motion.

SPECIFICATIONS

Model	Magnetic Mounting Bucket
Material	Metal / Plastic
Bucket Height	11.6 in
Bucket Diameter	13.4 in
Collapsed Height	4 in
Capacity	4.5 gal

MAGIC BUCKET

This mounting mechanism is designed to stay on the low speed motion operating machinery during trash picking and or collecting/keeping on its interior light weight content.

COLLAPSIBLE

It can be folded at two different levels of size for adjustment, depending on user needs.

WHY IS MAGIC?

Because it can be placed on any regular or irregular metallic surfaces.

FEATURES

Magnetic hold
Collapsible
Up to 2 sizes
Solid & Liquid supported
4.5 gal (17 liter) capacity
Motion resistant
No tools required

SITUATIONS

Trash Bucket
Trash Basket
Wastebasket
Ice & cooler bucket
Leaf collector
Temporary Pot
Paint or liquid bucket
Laundry Basket
Tools bucket

THE PROTECTOR

MAGIC
BUCKET

INNOVATIVE
tool and design inc.

THEPROTECTOR