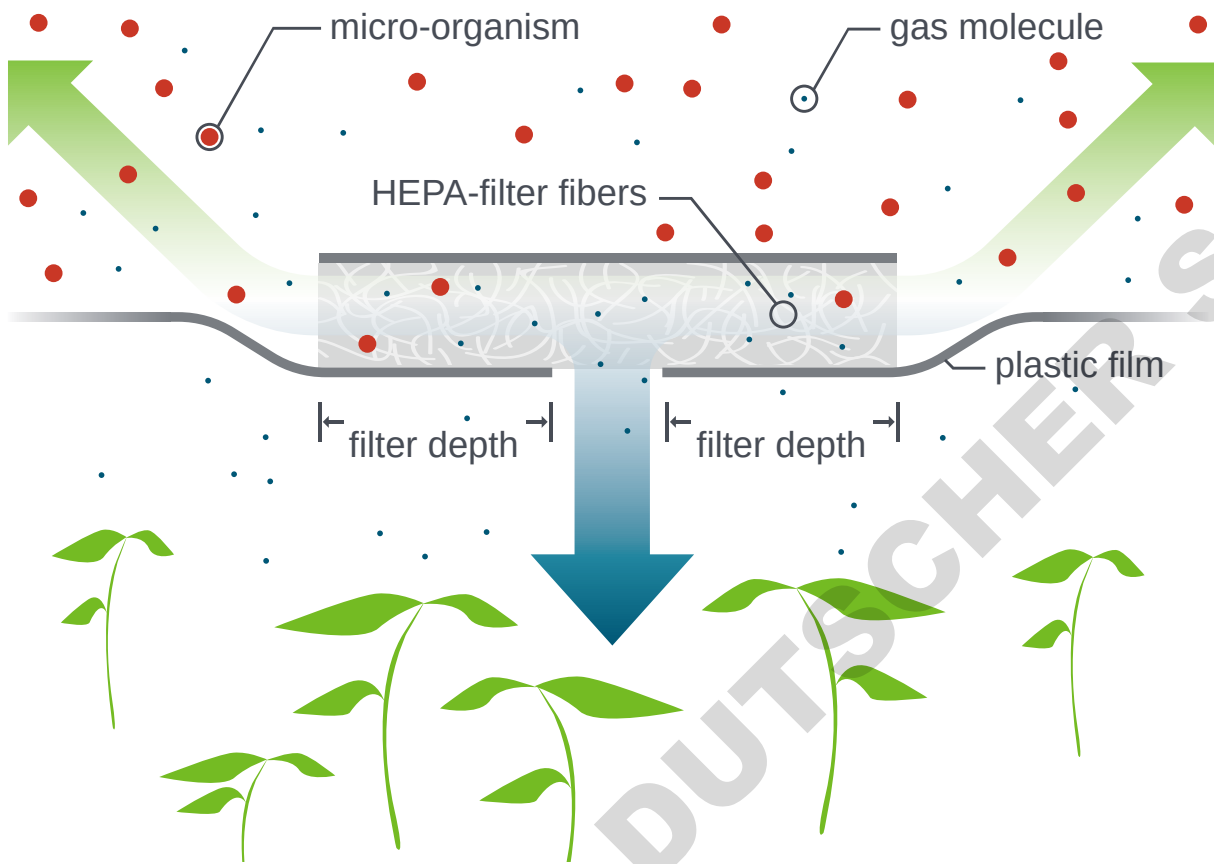


Microbox
BY Sac O₂

We make the filter
that makes *all* the difference.

Microsac
BY Sac O₂



Microbox micropropagation containers feature a patented depth-filtration system providing exceptionally efficient gas exchange you won't find on any other micropropagation vessel—anywhere.



The Microbox advantage

Depth filtration

Microbox filters are based on a depth-filtration principle as opposed to surface filters. Each filter uses randomly arranged fibers (HEPA principle) to effectively trap fungi spores, mites, trips and other contaminants. Depth filters limit dehydration. The gas exchange is controlled by the length of the filter plugs, longer filter plugs mean less gas exchange thus less dehydration.

When using hermetically closing containers without filters, gas exchange of CO_2 and O_2 is poor, concentrations of gasses like ethylene are far from optimal and hyperhydricity can occur. The gas exchange of the Microbox was found to be similar to the gas exchange of 'air leaking' containers without filtration system, but the filtered Microbox has the bonus of added contamination protection.

Shorter weaning time

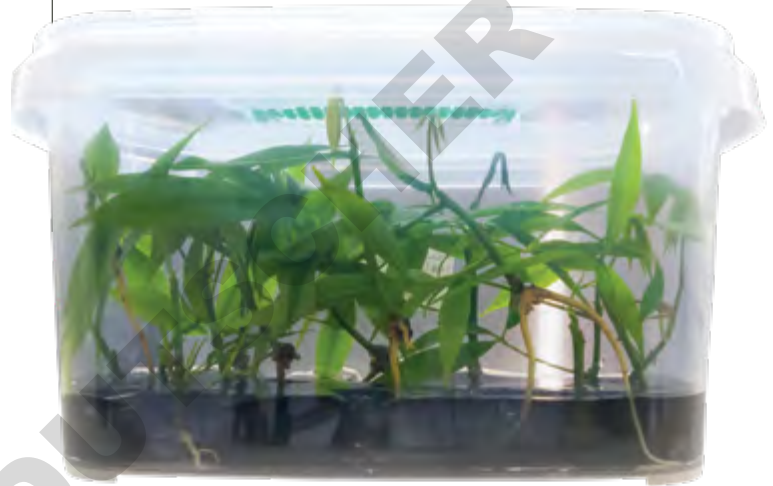
Yet another major advantage: thanks to adequate gas exchange during their stay in the vessels, the plantlets have been well prepared for their autotrophic life and therefore require less weaning.

Eco-responsible – Reusable – Sensible

Our untreated (non-gamma irradiated) **Microboxes are autoclavable up to 7 times.** (The single use gamma-sterilized containers can not be autoclaved and can therefore only be used once.) Each Microbox is 100% recyclable. Lid and container are both ecologically and economically smart.

Clearly superior

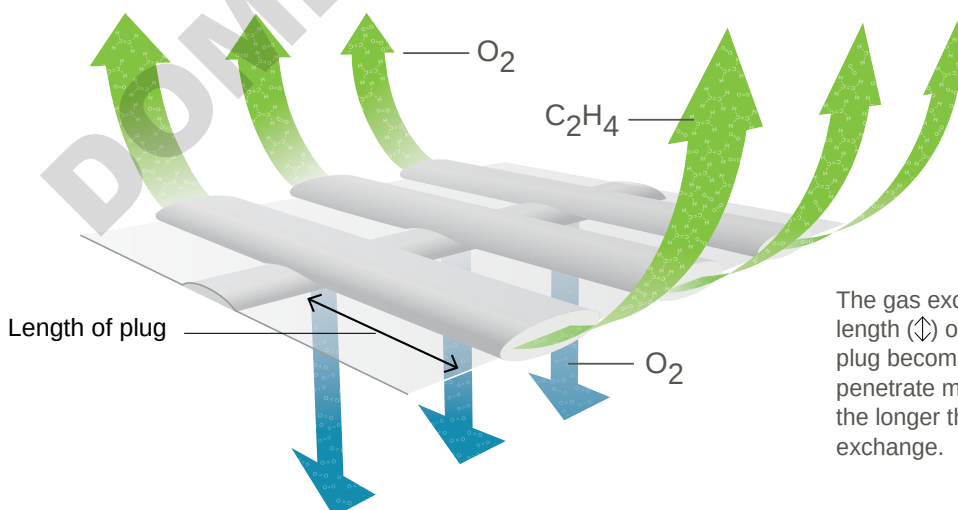
The hermetically-sealing lid with filter, and the box itself, are made of clear, resilient polypropylene. You have an accurate view of your work for greater quality control.



What filter do you need?

Your choice of filter will depend on a number of parameters, such as plant variety, incubation time, atmospheric and lighting conditions in the incubation chamber, number of plants per container, growth phase plants, and volume and composition of growing medium in the culture vessels.

As a rule, #10 (white) and #30 (red) filters are designed for plants with a long incubation time, whereas the #40 (green) filters are developed for plants in need of a high gas exchange and/or plants that spend less time in the Microbox. Comparative in-situ tests are necessary to decide which filter type is appropriate.






The gas exchange is controlled by the length (\updownarrow) of the filter plugs. As the plug becomes longer, gasses have to penetrate more filter material. Therefore, the longer the plug, the less gas exchange.

Transparent polypropylene containers with filtered covers

Sterility Options:

- Gamma-sterile = not autoclavable & not re-usable (**G**) packed in plastic sleeves
- Not Gamma-sterile = autoclavable & re-usable **Not P**acked in plastic sleeves (**NG/NP**)


Filter Options:

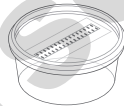
-  #10: white filter
-  #30: red filter
-  #40: green filter


Please mention which options you prefer when ordering.


* We can also deliver the **NG** Microbox wrapped in sleeves


Round Models


Model: O95/40+OD95	
	Cover: 95 mm diameter Base: 80 mm diameter Height: 40 mm Volume: 210 ml

Model: O118/50+OD118	
	Cover: 118 mm diameter Base: 97 mm diameter Height: 50 mm Volume: 365 ml

Model: O95/60+OD95	
	Cover: 95 mm diameter Base: 80 mm diameter Height: 60 mm Volume: 280 ml


Model: O118/80+OD118	
	Cover: 118 mm diameter Base: 97 mm diameter Height: 80 mm Volume: 565 ml

Model: O95/114+OD95	
	Cover: 95 mm diameter Base: 80 mm diameter Height: 114 mm Volume: 520 ml

Model: O118/120+OD118	
	Cover: 118 mm diameter Base: 97 mm diameter Height: 120 mm Volume: 870 ml

For quote requests, ordering options and more information about the Microbox please visit www.saco2.com

For large order discounts and custom orders please contact info@saco2.com

Model: O119/140+OD119/140	
	Cover: 119 mm diameter Base: 90 mm diameter Height: 140 mm Volume: 1000 ml


Ensure optimal filter functioning:

- keep the filter zones free of labels or any other objects
- avoid wetting filters; air dry filters when wet
- before re-using the lids, clean them with damp cloth (do not soak) and let dry completely
- choose the suitable filter type #10 (white), #30 (red) or #40 (green) with the proper ventilation ratio to achieve an ideal gas exchange with minimal dehydration




Photo © Laurent Jouve

Rectangular Models


Model: OV80+OVD80	
	Cover: 150 × 90 mm Base: 125 × 65 mm Height: 80 mm Volume: 540 ml


Model: TP750+TPD750 *	
	Cover: 182 × 120 mm Base: 170 × 110 mm Height: 45 mm Volume: 750 ml


Model: TP1200+TPD1200 *	
	Cover: 180 × 120 mm Base: 170 × 110 mm Height: 70 mm Volume: 1200 ml also available in opaque black

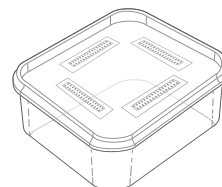
Model: TP1600+TPD1600	
	Cover: 182 × 120 mm Base: 172 × 110 mm Height: 92 mm Volume: 1600 ml

Square Models

Model: TP2000+TPD2000 *	
	Cover: 195 × 195 mm Base: 185 × 185 mm Height: 78 mm Volume: 2000 ml

Model: TP3000+TPD3000 *	
	Cover: 195 × 195 mm Base: 185 × 185 mm Height: 112 mm Volume: 3000 ml

Model: TP5000+TPD5000 *	
	Cover: 195 × 195 mm Base: 185 × 185 mm Height: 191 mm Volume: 5000 ml



* These models are available with filter code: #30 (white filter with characteristics of red filter) and #40 (green) and with four filters on the lid instead of the default 2 filters.



Autoclaving the non gamma-irradiated Microbox

Preferred procedure:

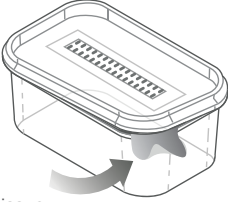
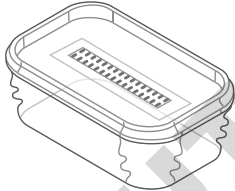
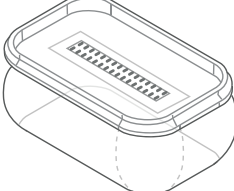
Autoclave containers and medium separately:

Polypropylene containers hold their shape and can be re-used a number of times.

- 1 Pack stacked containers and covers separately in an autoclavable bag (optional: when stacking the containers, put a piece of tissue between the boxes for easy separation after autoclavation)
- 2 Autoclave containers and covers
- 3 Unwrap containers and covers in sterile conditions
- 4 Fill containers with warm sterilized medium under LAF (Laminar Air Flow)
- 5 Carefully snap cover around entire rim to securely close, be careful: containers are flexible and soft when warm
- 6 Store containers with medium in a clean area

Alternative procedure: Autoclave containers filled with medium

- 1 Fill the containers with medium
- 2 Place a piece of non-woven tissue on one edge of each container before loosely closing lids, allowing for vapor to enter the Microbox during autoclaving
- 3 If condensation is a problem, cover lids loosely with aluminum foil to prevent filters from getting wet
- 4 Put containers in autoclave
- 5 Slowly build up pressure to prevent lids from closing
- 6 After sterilization, slowly reduce the pressure in the autoclave and remove container
- 7 Remove non-woven tissue and carefully snap cover around entire rim to securely close
- 8 Allow filter to dry completely
- 9 Store containers with medium in a clean area

Corner of lid left open: no deformation	Hermetically-sealed lid: containers distort with pressure changes	
 <p>non-woven tissue</p>		
gas has free passage	quick pressure increase	quick pressure reduction

Three filter types and gas exchange comparison:

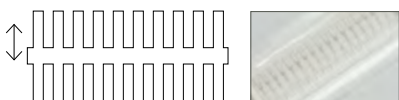
Gas exchange capacity depends on the Kv value of the corresponding filter types.

Kv is the volumetric gas exchange coefficient by means of diffusion throughout the filters. It represents the number of gas replacements in the vessels per time unit (unit: GE/day). The Kv is determined by the type of filter, filter length and gas volume in the containers.

The measurements were obtained with empty vessels in standard conditions, hence these values are not indicative of the real behavior of a plantlet under specific growing conditions.

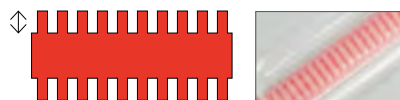
Three filter types and gas exchange comparison:

#10: white filter: Less gas exchange



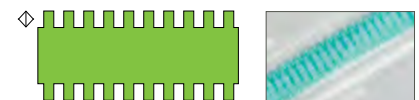
eg Model 118/80: 9,87 GE / day
eg Model OV80/80: 7,44 GE / day

#30: red filter: More gas exchange



eg Model 118/80: 15,58 GE / day
eg Model OV80/80: 10,83 GE / day


#40: green filter: Most gas exchange

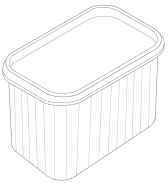


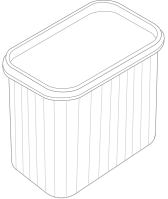
eg Model 118/80: 81,35 GE / day
eg Model OV80/80: 62,87 GE / day

Sterile polystyrene containers & covers without filters


Rectangular Containers

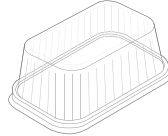
Model: RA40	
	Length: 145 mm Width: 100 mm Height: 40 mm Volume: 300 ml

Model: RA60	
	Length: 145 mm Width: 100 mm Height: 60 mm Volume: 500 ml

Model: RA85	
	Length: 145 mm Width: 100 mm Height: 85 mm Volume: 750 ml

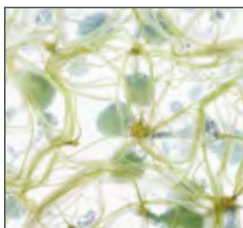
Rectangular Lids

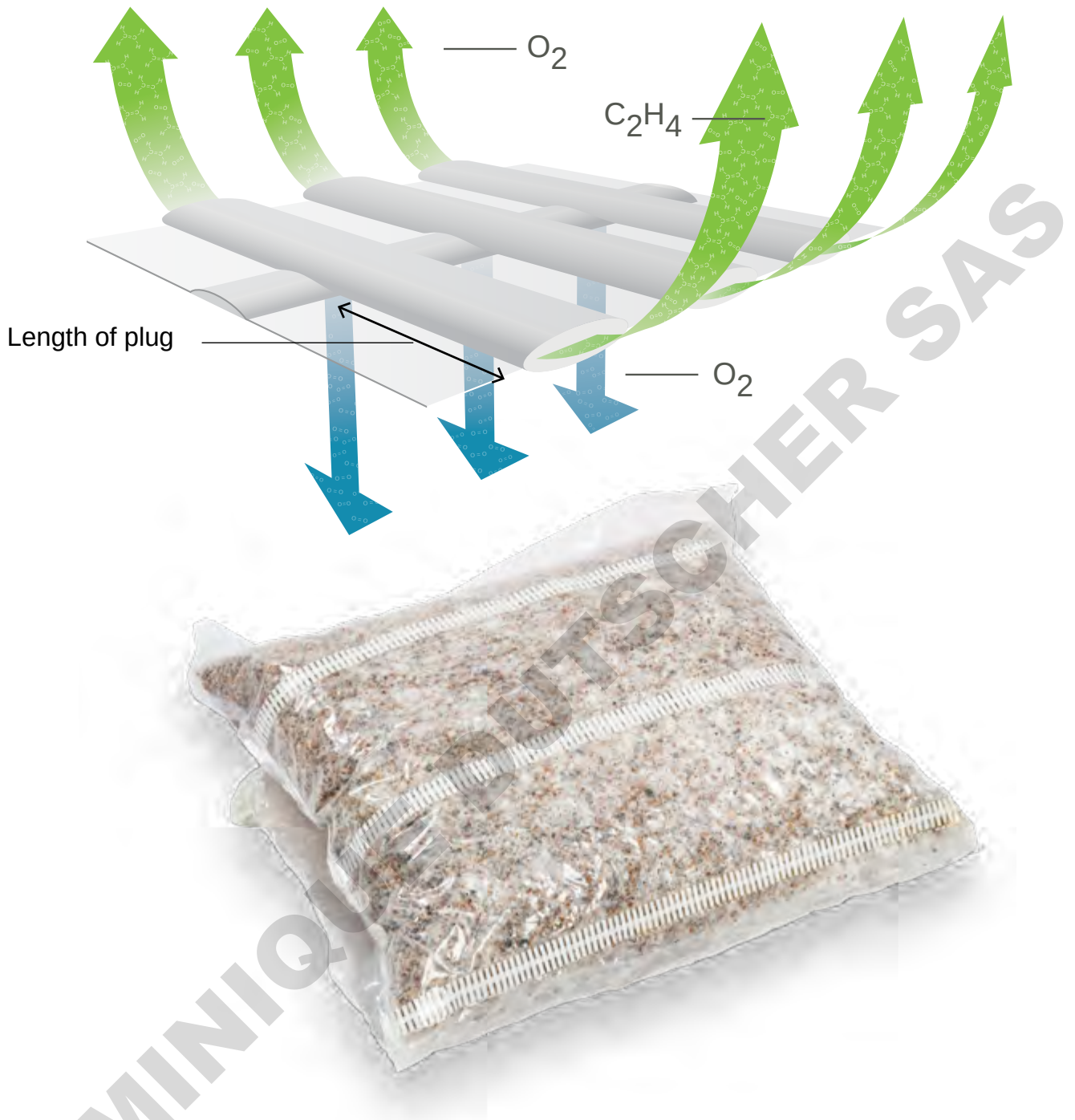
Model: RDA145	
	Length: 145 mm Width: 100 mm Height: 5 mm

Model: RDA60	
	Length: 145 mm Width: 100 mm Height: 60 mm

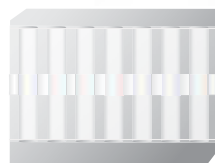
These containers are gamma irradiated, they are **not autoclavable**, not re-usable, not hermetically closing and the lids do not feature the filter.

For more information on the RA container and for quote requests please visit www.saco2.com



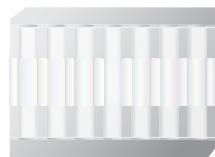


The gas exchange is controlled by the length (↕) of the filter plugs. As the plug becomes longer, gasses have to penetrate more filter material. Therefore, the longer the plug, the less gas exchange.



****R Type Filter: less gas exchange**

longer plug length



*****S Type Filter: more gas exchange**

shorter plug length

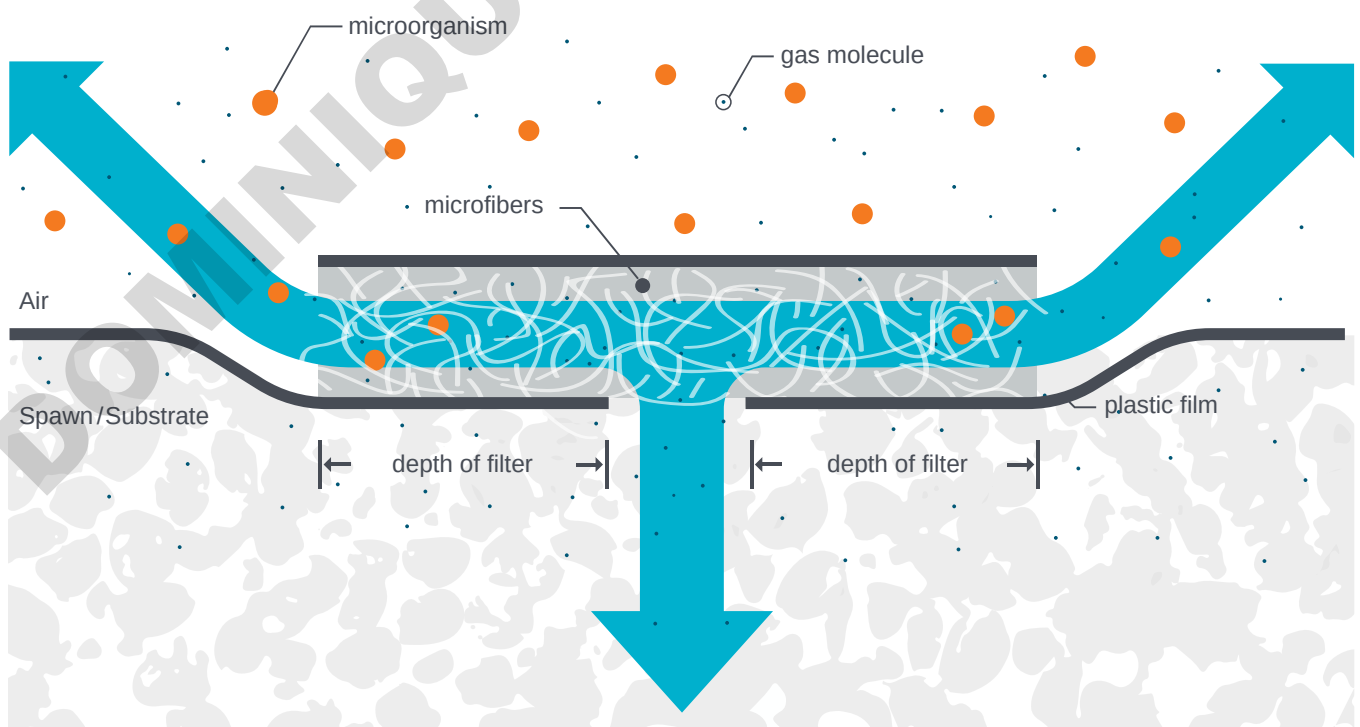
Our PP Microsacs have many advantages, the most important one is their perfectly distributed gas exchange. This makes them the most advanced breathing bags on the market.

The Polypropylene (PP) Microsacs

The autoclavable PP Microsacs are equipped with a revolutionary depth filtration system that allows air flow, but blocks contamination. The core of every filter is a double row of tiny filter plugs. The number of filter strips and therefore the level of gas exchange depends on the application: mother spawn, spawn, substrate, etc. As opposed to conventional spawn and substrate bags that use 'surface' or 'membrane' filtration (based on microperforation), Microsac filters are much like a small-scale HEPA filter system: they are composed of hydrophobic, randomly arranged fibers which trap microorganisms. This allows a fluent gas exchange without creating a dry-out zone below the filters, while still forming a firm barrier against contaminants.

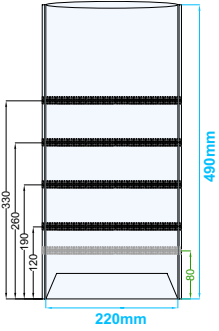
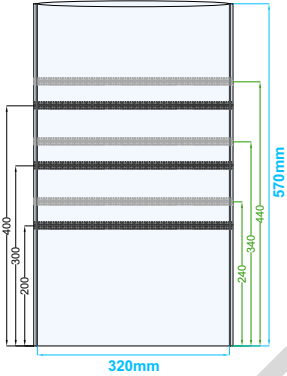
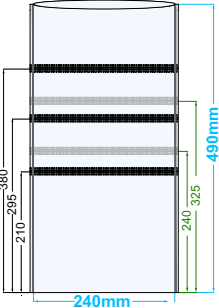
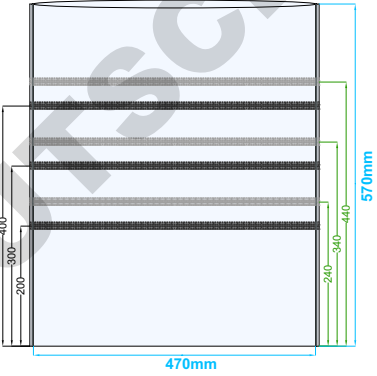
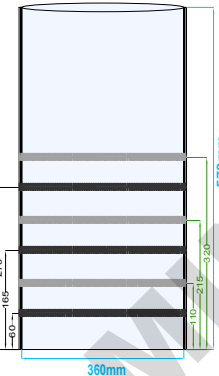
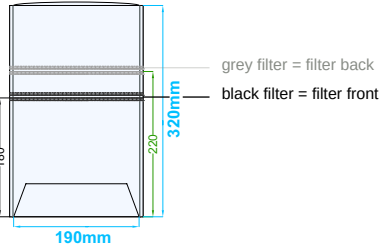
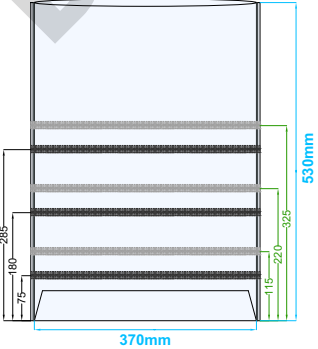
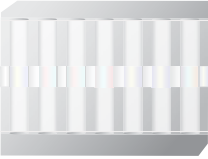

The Microsac's double filter system:

- ➔ **Autoclavable:** the bags are guaranteed to endure temperatures up to 123°C – 253°F, making them autoclave proof.
- ➔ **No dry-out zones:** contact between filter and substrate is limited, minimizing substrate dehydration under the filter zone.
- ➔ **Flexibility:** the length of the bags and the distribution of the filters are adapted to the application and desired gas exchange rate.
- ➔ **Physical strength:** the Microsacs are subjected to rigorous tests to ensure that the bags remain strong after heat treatment and physical handling.
- ➔ **Development:** the Microsacs are constantly tested and improved in cooperation with our sister company Mycelia, ensuring that our products meet large production demand and automation standards.
- ➔ **Transparency:** the characteristics of the plastic film, in combination with the narrow filter strips ensure optimal visual quality control of the bag's content.
- ➔ **No patches:** the filter strips cover the whole length of the bag, optimizing gas exchange and gas distribution.

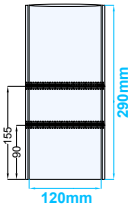
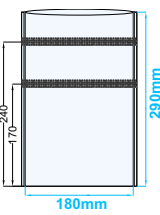


Standard models of the Polypropylene (PP) Microsacs

R-Type PPD Zipper bag**

<p>PPD50/REH4+1/V22-49</p> 	<p>film thickness: 50 µm width: 220mm—8.75" height: 490mm—19.5" filling volume*: 2.1kg, 3L number of filters front: 4 number of filters back: 1 bottom gusset: yes</p> <p>1000 pcs/carton minimum order: 1000</p>	<p>PPD75/REU6/X32-57</p> 	<p>film thickness: 75 µm width: 320mm—12.5" height: 570mm—22.5" filling volume*: 3.5kg, 5L number of filters front: 3 number of filters back: 3 bottom gusset: no</p> <p>1000 pcs/carton minimum order: 1000</p>
<p>PPD60/REU3+2/X24-49</p> 	<p>film thickness: 60 µm width: 240mm—9.75" height: 490mm—19.5" filling volume*: 2.1kg, 3L number of filters front: 3 number of filters back: 2 bottom gusset: no</p> <p>1000 pcs/carton minimum order: 1000</p>	<p>**PPD75/REU6/X47*57</p> 	<p>film thickness: 75 µm width: 470mm—18.5" height: 570mm—22.5" filling volume*: 7kg, 10L number of filters front: 3 number of filters back: 3 bottom gusset: no</p> <p>500 pcs/carton minimum order: 500</p>
<p>PPD75/RED6/X36-57</p> 	<p>film thickness: 75 µm width: 360mm—14" height: 570mm—22.5" filling volume*: 4kg, 5L number of filters front: 3 number of filters back: 3 bottom gusset: no</p> <p>1000 pcs/carton minimum order: 1000</p>		
<p>**PPD75/REH6/V37*53</p> 	<p>film thickness: 75 µm width: 370mm—14.75" height: 530mm—21" filling volume*: 4.2kg, 8L number of filters front: 3 number of filters back: 3 bottom gusset: yes</p> <p>500 pcs/carton minimum order: 500</p>	<p>The gas exchange is controlled by the length (↕) of the filter plugs. As the plug becomes longer, gasses have to penetrate more filter material. Therefore, the longer the plug, the less gas exchange.</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 20px;">  <div style="margin-left: 10px;"> <p>**R Type Filter: less gas exchange</p> <p>longer plug length</p> </div> </div> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>***S Type Filter: more gas exchange</p> <p>shorter plug length</p> </div> </div> </div>	

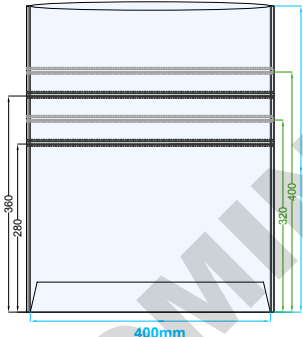
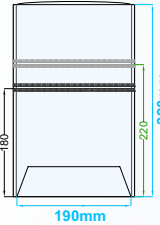
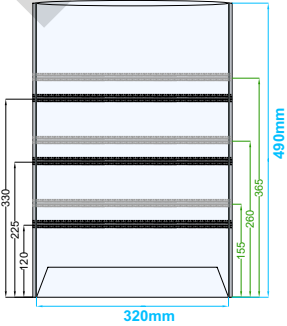
R-Type PP Zipper bag, filters one side

<p>PPD60/RED2+0/X12-29</p> 	<p>film thickness: 60 µm width: 120mm—4.75" height:290mm—11.5" number of filters front: 2 number of filters back: 0 bottom gusset: no</p> <p>available gamma irradiated (G)</p> <p>1000 pcs/carton minimum order: 1000</p>
<p>PPD60/REU2+0/X18-29</p> 	<p>film thickness: 60 µm width: 180mm—7" height:290mm—11.5" number of filters front: 2 number of filters back: 0 bottom gusset: no</p> <p>1000 pcs/carton minimum order: 1000</p>



Our cutting edge is now serrated.
This facilitates opening the
Sac O2 Zipper Filter Microsac.

S-Type PP Zipper bag***

<p>PPD60/SEU6/V40-51</p> 	<p>film thickness: 50 µm width: 400mm—15.75" height:510mm—20" filling volume*: 3.5kg, 7L number of filters front: 2 number of filters back: 2 bottom gusset: yes</p> <p>1000 pcs/carton minimum order: 1000</p>	<p>PPD60/SEU2/V19-32</p> 	<p>film thickness: 60 µm width: 190mm—7.5" height:320mm—12.5" filling volume*: 1kg, 2L number of filters front: 1 number of filters back: 1 bottom gusset: yes</p> <p>1000 pcs/carton minimum order: 1000</p>
<p>PPD50/SEH6/V32-49</p> 	<p>film thickness: 50 µm width: 320mm—12.5" height:490mm—19" filling volume*: 2.5kg, 5L number of filters front: 3 number of filters back: 3 bottom gusset: yes</p> <p>1000 pcs/carton minimum order: 1000</p>	<p>* All filling volumes are approximations and depend on filling mass. Leave sufficient head space when filling the PP Microsac, so the contents can be shaken properly.</p> <p>** A * before the last two digits in the name (eg 12*14) means bags are packed and sold 500 pcs/carton</p> <p>All Autoclavable bags heat resistance: 123°C–253°F</p> <p>Measurement tolerances: Filter placement: 5%, bag dimensions: 2%</p>	



Introducing the Sac O2 Minibags

Sac O2 now offers **Microsac Zipper Mini Bags** to protect your most precious commodity: your research.

Our Sac O2 Mini Bags (PP) are tailored to fit test tubes or petri dishes, protecting their content from the environment in which they are stored and vice versa.

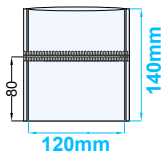
For safekeeping your test tubes and petri dishes, or for transporting between sterile lab environments, our sturdy PP Mini Bags are a perfect solution.

Autoclavable heat resistance: 123°C–253°F



Petri Dish Zipper Bags / (G) = Gamma

PPD60/REH1+0/X12*14



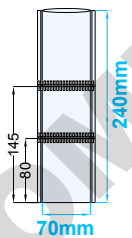
film thickness: 60 µm
width: 120mm—4.75"
height: 140mm—5.5"
number of filters front: 1
number of filters back: 0
bottom gusset: no

**available
gamma irradiated (G)**

500 pcs/carton
minimum order: 500

Test Tube Zipper Bags / (G) = Gamma

PPD60/REH2+0/X7*24

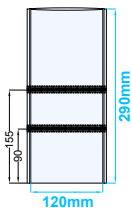


film thickness: 60 µm
width: 70mm—2.5"
height: 240mm—9.5"
number of filters front: 2
number of filters back: 0
bottom gusset: no

**available
gamma irradiated (G)**

500 pcs/carton
minimum order: 500

PPD60/RED2+0/X12-29



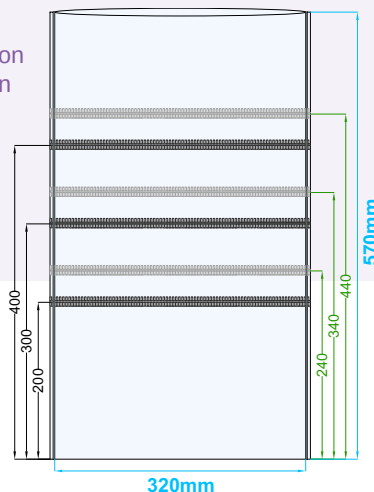
film thickness: 60 µm
width: 120mm—4.75"
height: 290mm—11.5"
number of filters front: 2
number of filters back: 0
bottom gusset: no

**available
gamma irradiated (G)**

1000 pcs/carton
minimum order: 1000

Name Code of the Sac O2 PP Zipper Bags Explained

Abbreviation	Explanation	Parameter	Example
first part: .../ PPD 60-75* eg: PPD75/	all about plastic film type of plastic PPD polypropylene D (D=durable) film thickness 60 µm PP (D=Durable) 75 µm PP (D=Durable)	plastic thickness	PPD 75
middle part: /.../ S-R E T-U-H-D 2-6 eg: REU6/	all about filter filter type S substrate filter R regular filter filter tissue type E filter tissue type filters position T filters positioned very near opening of Microsac (Top) U filters positioned in upper part of Microsac (Up) H filters spaced equally over length of Microsac (Horizontal) D filters positioned near bottom of the bag (Down) amount of filters (+ indicates one or more filter other side) 2 two filters, one filter each side 6 six filters, three filters each side 4+1 four filters one side, one filter other side	filter type tissue type filter position filter strips	 R E U 6
last part: /... X-V 99-99 99-99 99*99 99-99 eg: X32-57	all about size and model gusset: fold at the bottom X without gusset V with gusset 5 cm high 8V with gusset 8 cm high width of bag in cm 99-99 width inner size packaging - packed 1000 pcs/carton * packed 500 pcs/carton height of bag in cm 99-99 height inner size	gusset width - width - - length - length	X 32 37 - 57 60



Example: **PPD75/REU6/X32-57**

* PP has been replaced by PPD, PP is discontinued and 50 µm has been replaced by 60 µm.

The custom made Microsac

We can manufacture bags to your specifications within the parameters of our equipment.
The minimum order for a custom made bag is 20 000. Listed below are the options and the limitations.

Filter orientation:

Standard: horizontal

Vertical is possible but compared to horizontal more expensive

Height:

Maximum height of bag: with bottom gusset:
53 cm (21 Inches) without gusset 57 cm (22.5 Inches)

Width:

Maximum width: no limitations (within reason)

Choice of polypropylene:

50 μ , 60 μ or 75 μ polypropylene (2 or 3 mil):

50 μ : less material, more complicated to produce (we are phasing 50 μ out for our standard bags)

60 μ : good compromise

75 μ : stronger

Standard: clear PP, soft touch, with or without gusset possible 50 μ , 60 μ , 75 μ

Durable: code PPD, more stretch, tougher, better for cold transport, small variations in size possible, available in 75 μ and 60 μ

Gusset:

Bottom gusset of 5, 6, 8 cm (2, 2.4 or 3.1 Inches) possible; side gussets are not possible

Number of Filters:

Maximum 4 on each side

4 filters: filters are center to center*
minimum 5 cm maximum 6 cm apart (2 to 2.4 Inches)

3 filters: filters are center to center*
minimum 5 cm maximum 10 cm apart (2 to 4 Inches)

2 filters: filters are center to center*
minimum 5 cm maximum 22 cm apart (2 to 8.5 Inches)

Top or bottom filter at least 6 cm (2.4 Inches) away from top or bottom

With bottom gusset: lowest filter at least 12 cm (4.75 Inches) away from bottom

No overlapping possible of filters on opposite sides

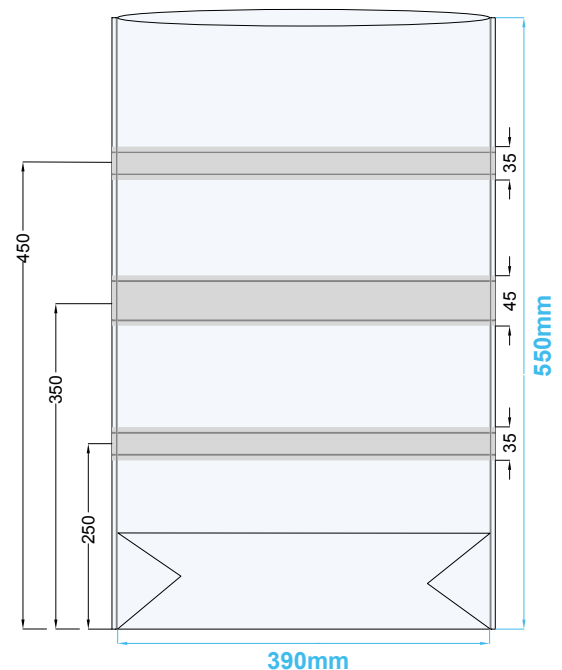
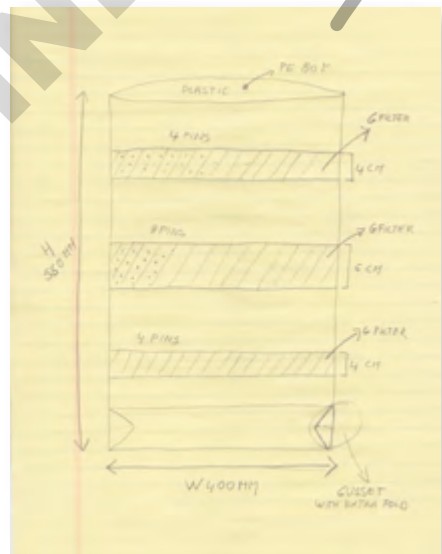


*center filter

Note:

Measurements in inches are approximate. We use the SI System in our coding and pricing. All possible designs are subject to approval and modification.

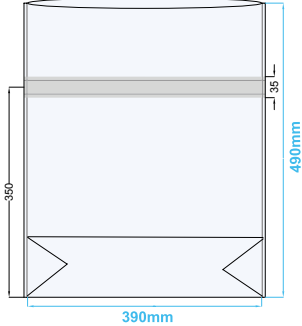
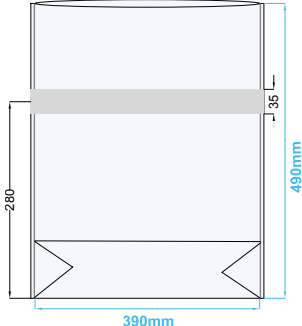
From your sketch to our engineers:





By popular demand: The Sac O2 Growing Bag

Sac O2 Growing Bag

<p>PPD60/G1U-S6/8V39-49</p> 	<p>film thickness: 60 μm width: 390mm—15.25" height:490mm—19.5"</p> <p>filter type: Tyvek® or G-Filter</p> <p>number of filters front: 1 number of filters back: 0 bottom gusset: yes</p> <p><i>1000 pcs/carton minimum order: 1000</i></p>
<p>PPD60/T1U-S6/8V32-42</p> 	<p>film thickness: 60 μm width: 320mm—12.5" height:420mm—19.5"</p> <p>filter type: Tyvek® or G-Filter</p> <p>number of filters front: 1 number of filters back: 0 bottom gusset: yes</p> <p><i>1000 pcs/carton minimum order: 1000</i></p>

Our newest addition, the **Growing Bag**, is made with high-quality materials and is designed with a gusset, helping it to stand upright during the growing and fruiting process.

The bag provides optimal gas exchange to ensure that your mushrooms receive the ideal balance of oxygen and carbon dioxide to thrive. Don't settle for subpar growing conditions – start optimizing your mushroom growth with our new Growing and Fruiting Bag today!



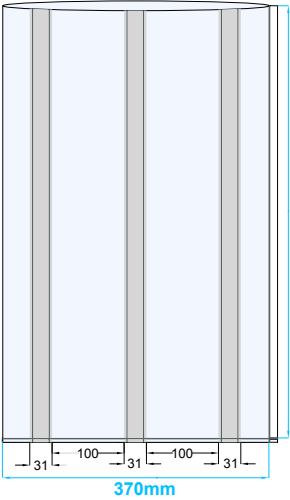



Fruiting body of maitake
(*Grifola frondosa*)



Standard Models of the Polyethylene (PE) Microsacs

Polyethylene (PE) Microsacs are gamma-irradiated and are not autoclavable. Mostly used in bulk systems, they are in many ways similar to other PE bags, but with the advantage of reduced substrate dehydration in the zone below the filters. This is the key to their success and a technological advancement.

We keep the contact surface between the filter and the substrate as small as possible by putting a microperforated plastic film barrier between substrate and filter, without limiting the gas exchange or filtration capacities. We offer Tyvek® filters, multi-component filters and hydrophobic non woven filters.

<p>PE80/T3V-S3/37-60</p> 	<p>film thickness: 80 µm filter: Tyvek® number of filter strips: 3 (front) bottom gusset: no 750 pcs/carton minimum order: 750</p>  <p>3.1 cm 1.22 inch</p>
<p>PE80/L3V-M7/37-60</p> 	<p>thickness: 80 µm filter: L type hydrophobic multicomponent number of filter strips: 3 (front) bottom gusset: no 750 pcs/carton minimum order: 750</p>  <p>5.5 cm 2.16 inch</p>

<p>PE80/G3V-M4/37-60</p> 	<p>film thickness: 80 µm filter: G type hydrophobic non woven number of filter strips: 3 (front) bottom gusset: no 600 pcs/carton minimum order: 600</p>  <p>5.5 cm 2.16 inch</p>
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Name Code of the Sac O2 PE Microsacs Explained

Abbreviation	Explanation	Parameter	Example
first part: .../ PE 80 eg: PE80/	all about plastic film Type of plastic PE polyethylene (PE bags only) film thickness 80 µm (PE bags only)	plastic thickness	PE 80
middle part: /.../ T-L-G 3 S3-M7-M4 eg: T3V-S3	all about filter filter type Tyvek® filter L Type Hydrophobic Multi Component Filter G Type Hydrophobic Non Woven Filter amount of filters 3 filters (PE bags all filters on same side) filters position filters positioned vertical (PE bags only) micro-perforation code micro-perforation code S3-M7-M4	filter position mp code	T 3 V S3
last part: /... 37-60 99-99 60 eg: X37-60	all about size and gusset PE bags have no gusset width of bag in cm width inner size packaging packed 1000 pcs/carton height of bag in cm height inner size	width - - length	37 - 60



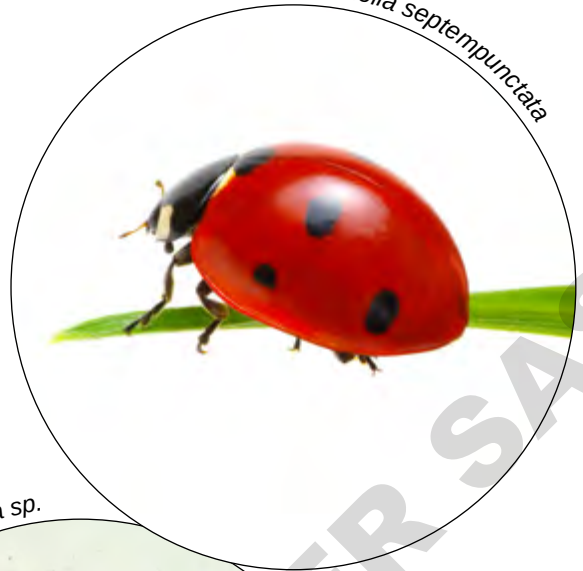
Example: PE80/T3V-S3/37-60

We make the filter that makes *all* the difference.

The uses of our filtered Microbox containers and Microsacs bags are not just limited to tissue culture and mushroom applications. They are coveted by researchers for other applications such as fungal biocontrol products and pest control

In short, if what you grow benefits from safe gas exchanges, our filtered boxes and bags provide the ultimate solution.

Coccinella septempunctata



Parasitic fly *Trichogramma* sp.



Beauveria bassiana on grubs



Why are ours the most popular containers and bags for mushroom growers worldwide?

Because we test, and test, and test. We supply our neighbour and sister company, spawn producer Mycelia, with our bags and containers and this unique collaboration has helped us both to grow into worldwide suppliers with stellar reputations. We share highly educated researchers, we troubleshoot and solve, we invent and improve.

And we love it.

[Check it out at Mycelia.be.](https://www.mycelia.be)



Microsac
BY Sac O₂

Microbox
BY Sac O₂

We make the filter
that makes *all* the difference.

Sac O₂

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Mushroom spawn laboratory
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