

Containers for the Hi-Grow System

9L Trough with truss support

Compact trough ideal for tabletop or low-volume systems.



18L Trough with truss support

Designed for robust truss support and consistent drainage.



Slab base

Provides stable support for substrate slabs with efficient airflow.



Dimensions



Available colors:



		A	B	C
1305209	9L Trough with truss support*	156 mm	250 mm	511 mm
1305909	18L Trough with truss support	142 mm	250 mm	1014 mm
1302809	Slab base	-	185 mm	-

*Drainage collection is not available for this pot.



▶ Scan
To watch video



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Hi-Grow

Strawberry growing system

plantlogic
innovative products
for smart growers



Healthy roots.
Easy installation.
Smart investment.



INCREASE
YIELD



IMPROVE
CONTROL



SAVE
MONEY

Strawberry production growing systems

Smart design engineered for high-efficiency strawberry production

The Hi-Grow system was purpose-built around key principles of substrate cultivation—standardization, oxygenation, and efficient drainage—while significantly lowering capital costs.

By moving away from the traditional use of costly metal gutters, we introduced a breakthrough innovation that not only **lowers expenses** but also **elevates the quality and consistency** of production.

Engineered to reduce costs and maximize yields

Available in multiple configurations—from affordable to automated—Hi-Grow adapts to any

greenhouse, optimizing density and yield.

Thanks to our innovative design that separates the container support structure from the drainage system, Hi-Grow helps reduce the risk of disease.

In addition, it is more economical than traditional gutter systems, using approximately **27% less steel**—providing a more cost-effective and scalable solution for modern growers.

Easy Installation and reduced labor costs

Hi-Grow installs faster and easier than traditional metal systems, requiring smaller crews and no grading or welding.

Why choose Hi-Grow?

Cost-effective transition



Hi-Grow provides a cost-effective transition from soil or bag culture to elevated systems—using 27% less steel and lowering material costs.

Quick & simple Installation



Hi-Grow eliminates land leveling, reducing labor needs and setup time. Its design simplifies installation and minimizes common adoption challenges.

Optimized for better results, every row



Unlike traditional gutters, Hi-Grow's horizontal design uses a narrow, independent drainage channel—allowing even growth and higher yields across every row.

Enhanced root zone management



Hi-Grow optimizes root-zone aeration and drainage through oxygenation holes, dedicated channels, and adjustable gutters—improving substrate performance and plant health.



Hi-Grow

STRAWBERRY GROWING SYSTEM

Tabletop system - Trough version



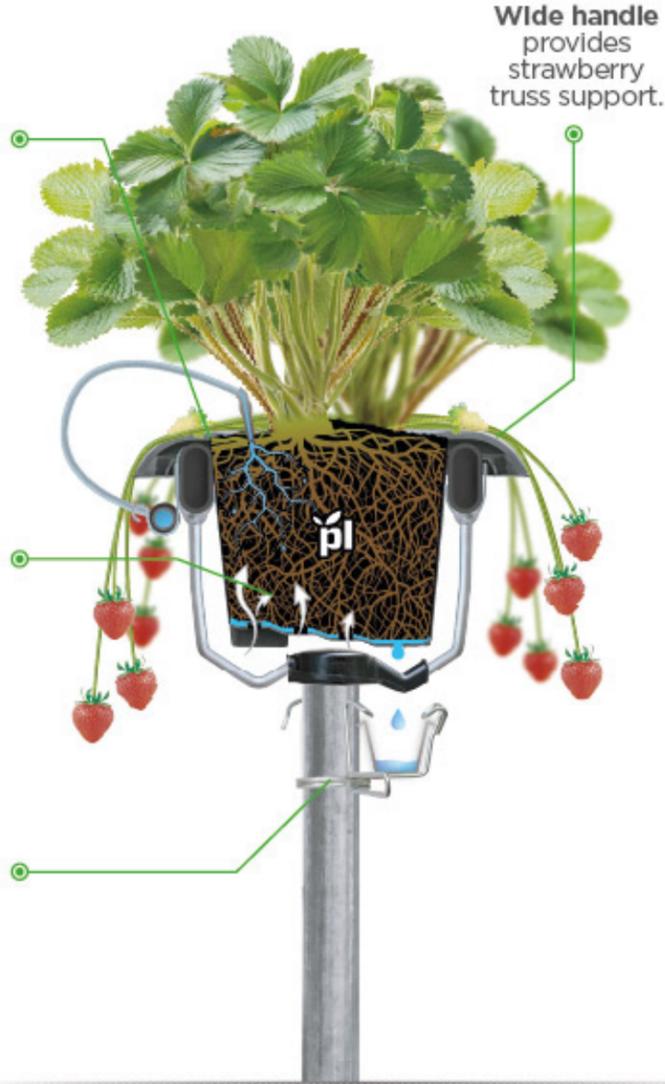
Wire clips
Specially designed for inline or lateral irrigation.



Airflow & oxygenation
Enhances airflow, reducing humidity and Botrytis risk.



Slope-adjustable gutter
Ensures precise drainage without land grading.



Wide handle
provides strawberry truss support.



Container design
improves substrate performance & root health.



Drainage separation
Keeps plant containers isolated from runoff.



Optional drainage collection
Keeps tunnels drier and reduces disease pressure.



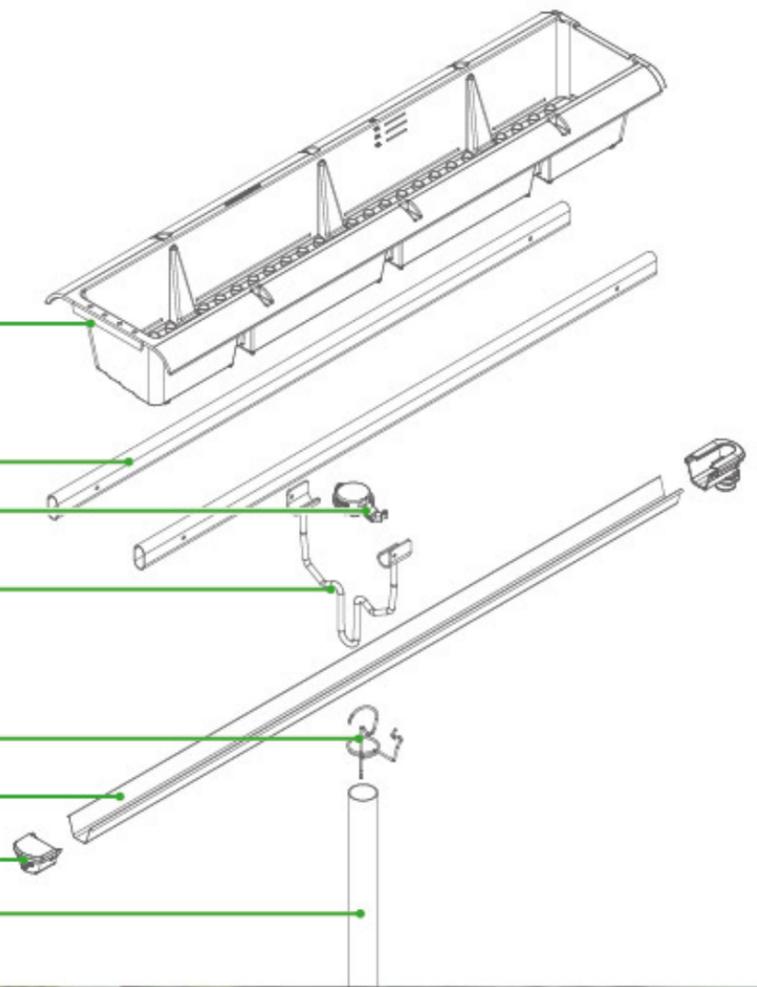
Slope-adjustable gutter

Posts spaced 3 m apart limit sagging to 2 cm.

Precision grading of the posts isn't required, as the adjustable gutter's slope can be set independently.

Tabletop system set-up Trough version

- 18L Trough
- Rail
- Post cover
- Y Bracket
- Gutter bracket
- Gutter
- Gutter end cap
- Post



Hi-Grow

STRAWBERRY GROWING SYSTEM

Tabletop system - Slab version



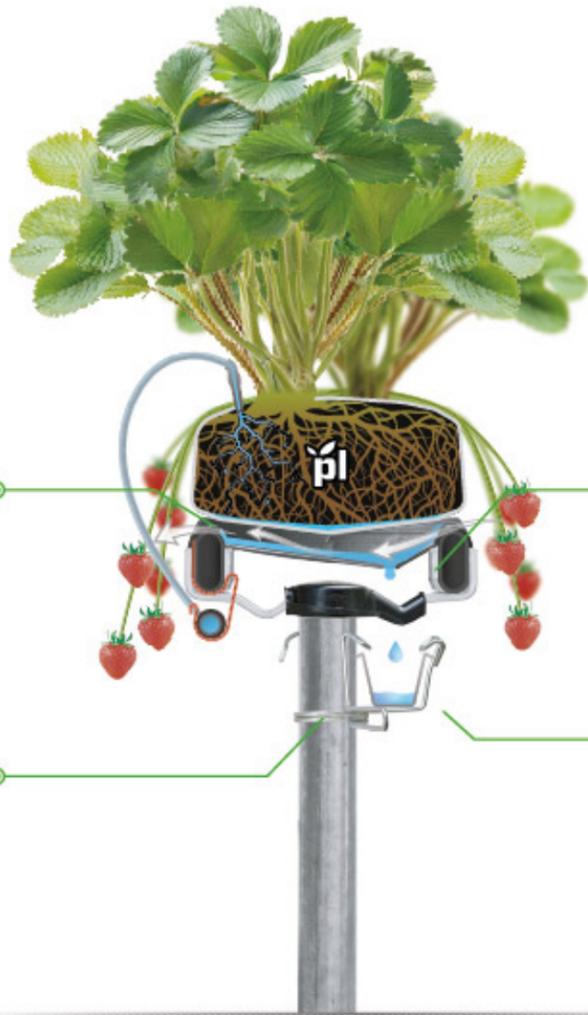
Smart design
Improves airflow under the slab to enhance root-zone climate.



Hose clips
Secure laterals for clean, organized irrigation.



Slope-adjustable gutter
Allows precise drainage without land grading.



Lower upfront capital expense.



Drainage separation
Prevents contact between slab drainage and plant roots.



Optional drainage collection
Keeps tunnels drier and reduces humidity-related disease.



Slope-adjustable gutter

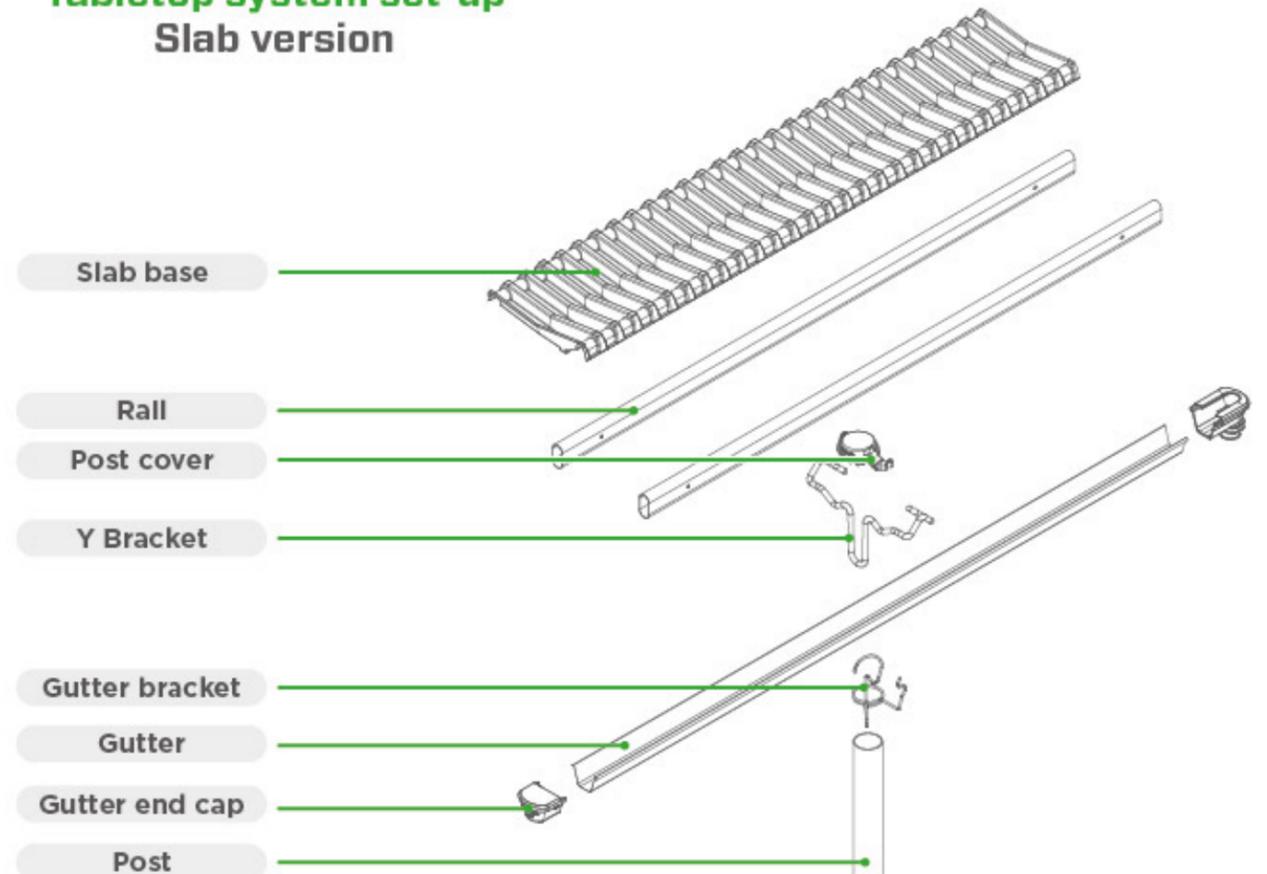
Posts spaced 3 m apart limit sagging to 2 cm.

Because gutter slope is adjustable, precision grading isn't required.

This system improves drainage, oxygenation, and reduces salt accumulation.



Tabletop system set-up Slab version



Hi-Grow

STRAWBERRY GROWING SYSTEM

Hanging system - Trough version



Customizable hanging bracket adapts to any grower setup.



Enhanced airflow lowers humidity and minimizes Botrytis risk.



Durable chain or wire suspension ensures stability and safety.



Pot system can be switched to slabs



Prevents runoff contact and improves hygiene.

The Hi-Grow hanging system uses fewer structural materials than traditional gutters—reducing installation costs while improving efficiency.

Optional drainage collection minimizes humidity buildup, while optimized airflow and slope design enhance oxygenation and reduce salt accumulation.



Hi-Grow[®]

STRAWBERRY GROWING SYSTEM

Hanging system - Slab version



Customizable hanging bracket adapts to all facility layouts.



Under-slab airflow improves humidity control and microclimate balance.



Slope-adjustable for precise drainage.

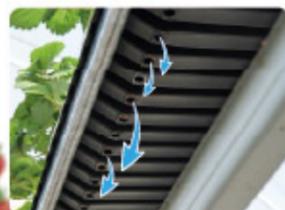
Truss support secures heavy clusters, improving fruit uniformity.



Durable **chain or wire** suspension offers long-term stability and easy maintenance.



Lower initial cost compared to traditional bench or table systems.



Separated runoff channels improve sanitation and disease management.

The Hi-Grow hanging slab system combines efficiency with affordability. Using fewer structural materials than traditional tables, it reduces setup costs and simplifies installation.

Optional drainage collection lowers greenhouse humidity, while optimized slope and airflow promote healthier roots and stronger yields.





Hi-Grow

STRAWBERRY GROWING SYSTEM

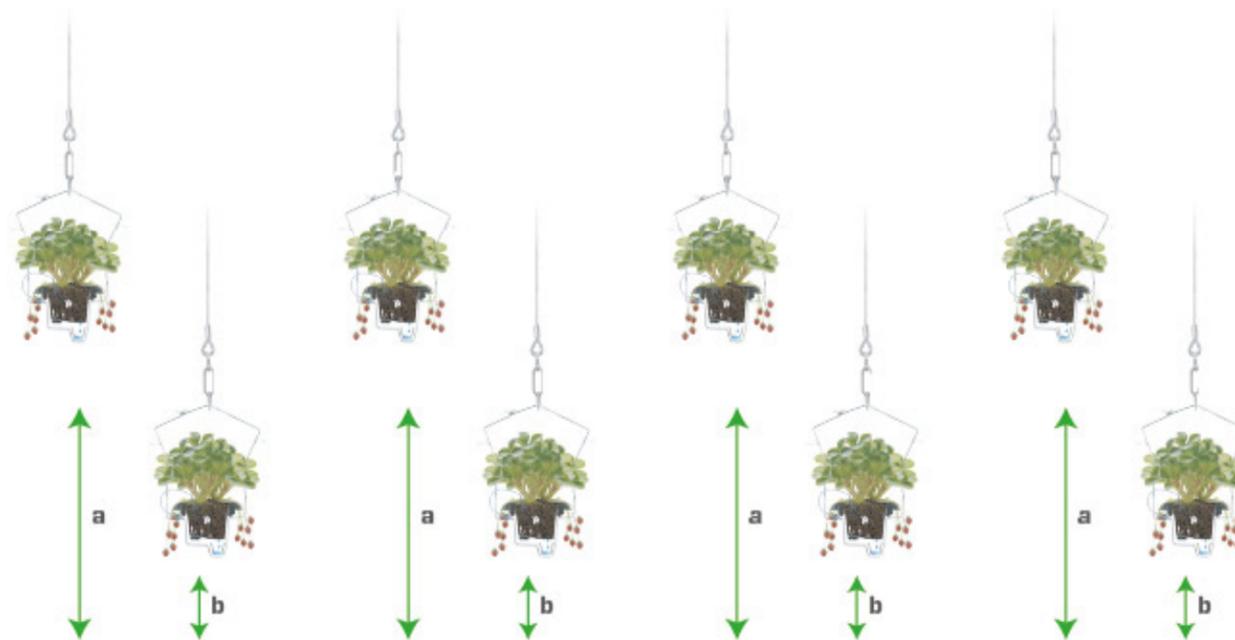
New Hi-Grow Technology Engineered to Maximize Yields



Elevating System

- Increases plant density by utilizing vertical space.
- Adds more growing lines without expanding greenhouse footprint.
- Motorized lift allows individual lines to be raised or lowered for access.
- Improves harvesting and maintenance by creating temporary workspace.
- Ceiling-mounted motor keeps the system out of the way, maximizing efficiency.

Motorized lift system for multi-layer strawberry production



Adjustable growing height allows multiple vertical layers of production, maximizing space efficiency and yield per square meter.



NEW SYSTEM!

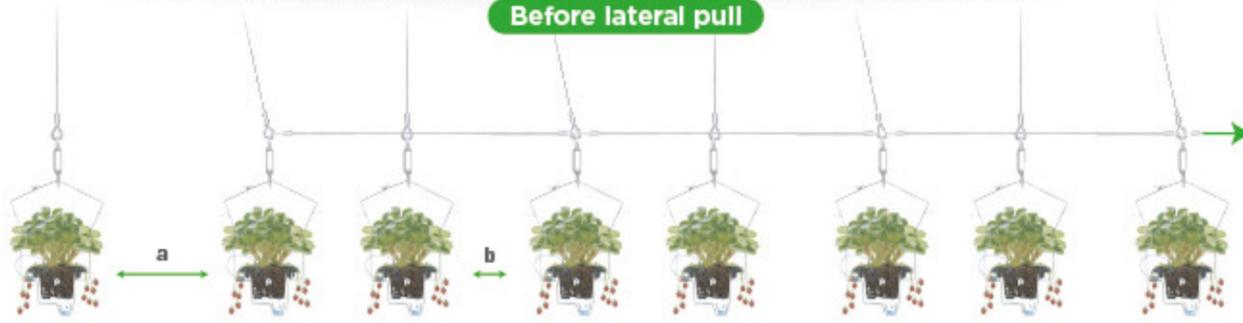
Swing System

- Maximizes greenhouse yield by optimizing line spacing.
- Motorized system horizontally shifts growing lines for flexible layout.
- Simplifies harvest and crop management by creating working space on demand.
- Compact motor mounts on greenhouse side posts, maintaining aisle efficiency.

Motorized system that horizontally adjusts growing rows to optimize space and access



Before lateral pull



After lateral pull

Motorized lateral movement increases planting density and optimizes greenhouse space utilization, allowing flexible row spacing for harvest and maintenance access.

Plastic gutter bracket



Metal gutter bracket



Holds gutter in place and maintains precise drainage slope.

Plastic anti-sinking plate



Metal anti-sinking plate



Prevents post sinking in soft or humid soil.

32 mm post cap



42 mm post cap



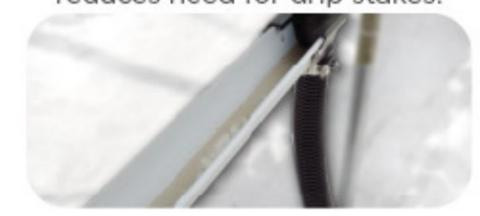
Protects post from corrosion caused by drainage runoff.

*Biodegradable trough cover



Helps maintain substrate humidity and reduces need for drip stakes.

Metal gutter



Collects and channels drainage to maintain clean ground surfaces.

Hi-Grow lysimeter



Enables accurate leachate monitoring for research or production optimization.

*Degradable according to EN13432 standard. Equivalent ASTM D5338-15 (2021); ASTM D6400-23 standard.