



GREENWALL PRODUCT GUIDE



VICINITY



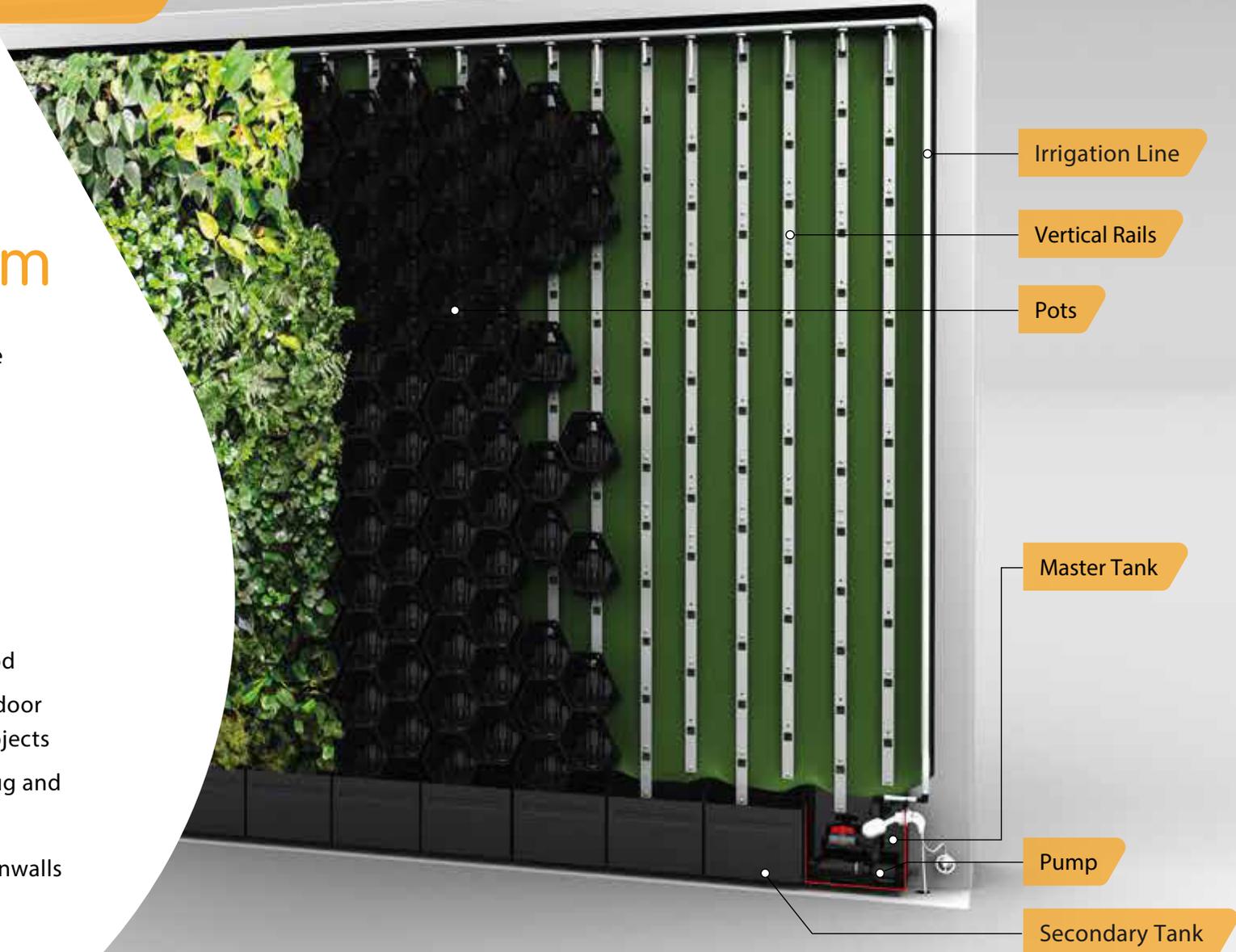
BUILDING GREENWALLS

Industry Problems	Vicinity Solutions
<ul style="list-style-type: none">• Fabricating water tanks from steel or fibreglass is expensive and can leak	<ul style="list-style-type: none">• Modular water tanks are plug and play, flexible to any length and do not leak
<ul style="list-style-type: none">• Irrigation system not provided and I have to design my own	<ul style="list-style-type: none">• Pre-engineered irrigation systems are suitable for up to 6 x 10m and a plug and play solution
<ul style="list-style-type: none">• The wall looks patchy when I have finished my project	<ul style="list-style-type: none">• Hex pot gives an instant effect

SYSTEM OVERVIEW

Vicinity has engineered a modular system

- Buy one entire system or the separate parts you need
 - Completely scalable to the size of your project
 - Lower labour costs: one person, 8m², 4 hours separate components
1. One system – multiple applications
 2. Indoor / Outdoor & Decoration / Food
 3. Integrated water storage for easy indoor projects and water wise outdoor projects
 4. Integrated irrigation kits for easy plug and play irrigation installation
 5. Fast, cheap, reliable, consistent greenwalls



5-STEP-SYSTEM

Step 1

Install master tank

Step 2

Install secondary tanks

Step 3

Install rails

Step 4

Install pumps and irrigation systems

Step 5

Hang pots on rail

Step 3

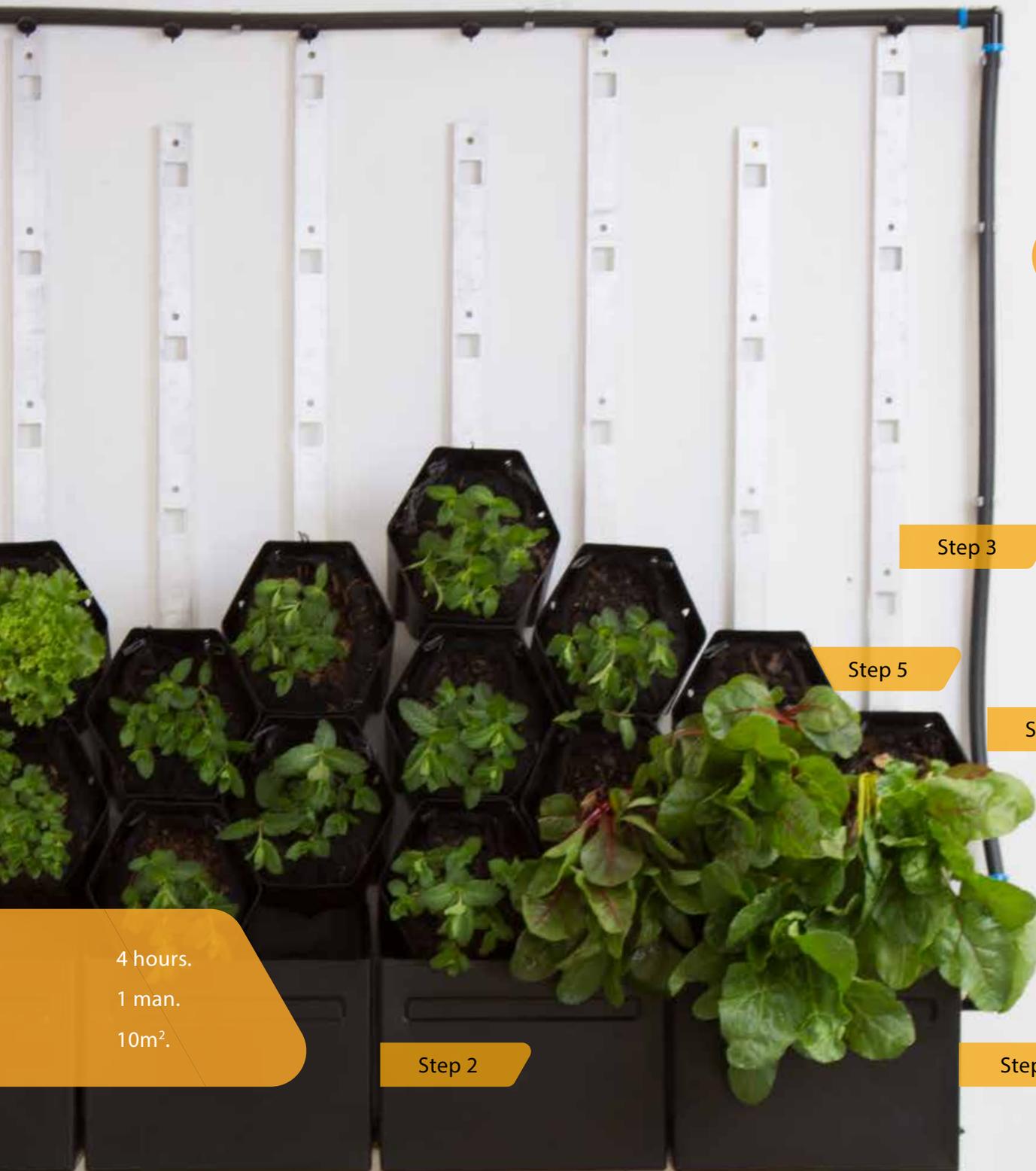
Step 5

Step 4

Step 2

Step 1

4 hours.
1 man.
10m².





Pot system



Tank system



Irrigation system



Vicinity Greenwall System

Installation elements

- pot system
- tank system
- irrigation system

Design of the Pot System

The hex pot

- The hex pot clips onto a rail, at a 30° upward angle.
- The hexagonal shape allows for dense planting while maximising soil volume.
- Plants are not shaded by the hardware above.
- To create an instant effect, the pot can hold a 15cm plant or smaller, with 30 pots per square metre. Seedlings can be used to reduce cost.
- Pots can be transported at level and be planted off site.

The bag

- The bag keeps the soil in place and holds the plant in the pot preventing it from falling out and supporting the neck of the plant.
- The material is weaved from recycled plastic making it non-biodegradable, reusable and UV resistant.

The rail

- The rail is made from aluminium to prevent corrosion, make it lightweight, and allow for multiple fixing points and even weight distribution.
- It can be installed on dry walls and can be cut to size for customisation making it height adjustable.



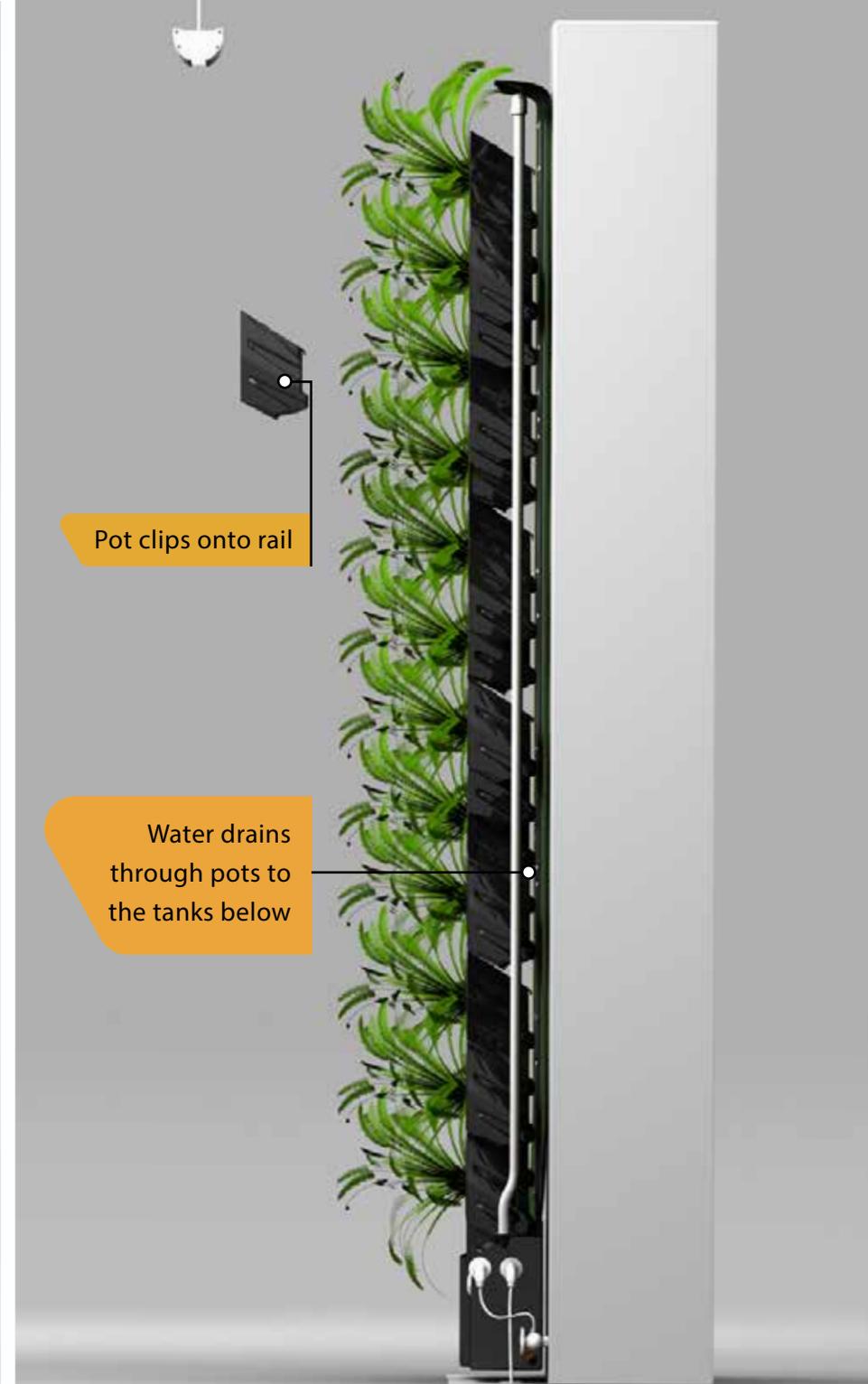
Note: Water doesn't run on the wall, but in case of accidental leak, an additional plastic ground sheet can be used behind the rail to redirect water back into the tanks.

HOW IT WORKS



Pot clips onto rail

Water drains through pots to the tanks below



Tank System Design

Tank system

- Our modular tanks remove the necessity for the user to find a solution for catching run-off water on each project.
- Tanks can be spaced out during installation, allowing for flexibility to tailor the width of the installation on site.
- Our water-wise solution lowers the impact of run-off water.

Connector system

- Bespoke connectors and grommets ensure no leaking, no washers, and no moving parts.
- It's quick to connect with an instant push-through connector.

Optional master tank

- Additional fittings allow connections of a water source.
- A built-in float valve allows for automatic top ups of water tanks.
- It also includes an overflow point that can be connected to a drain.





Install grommet



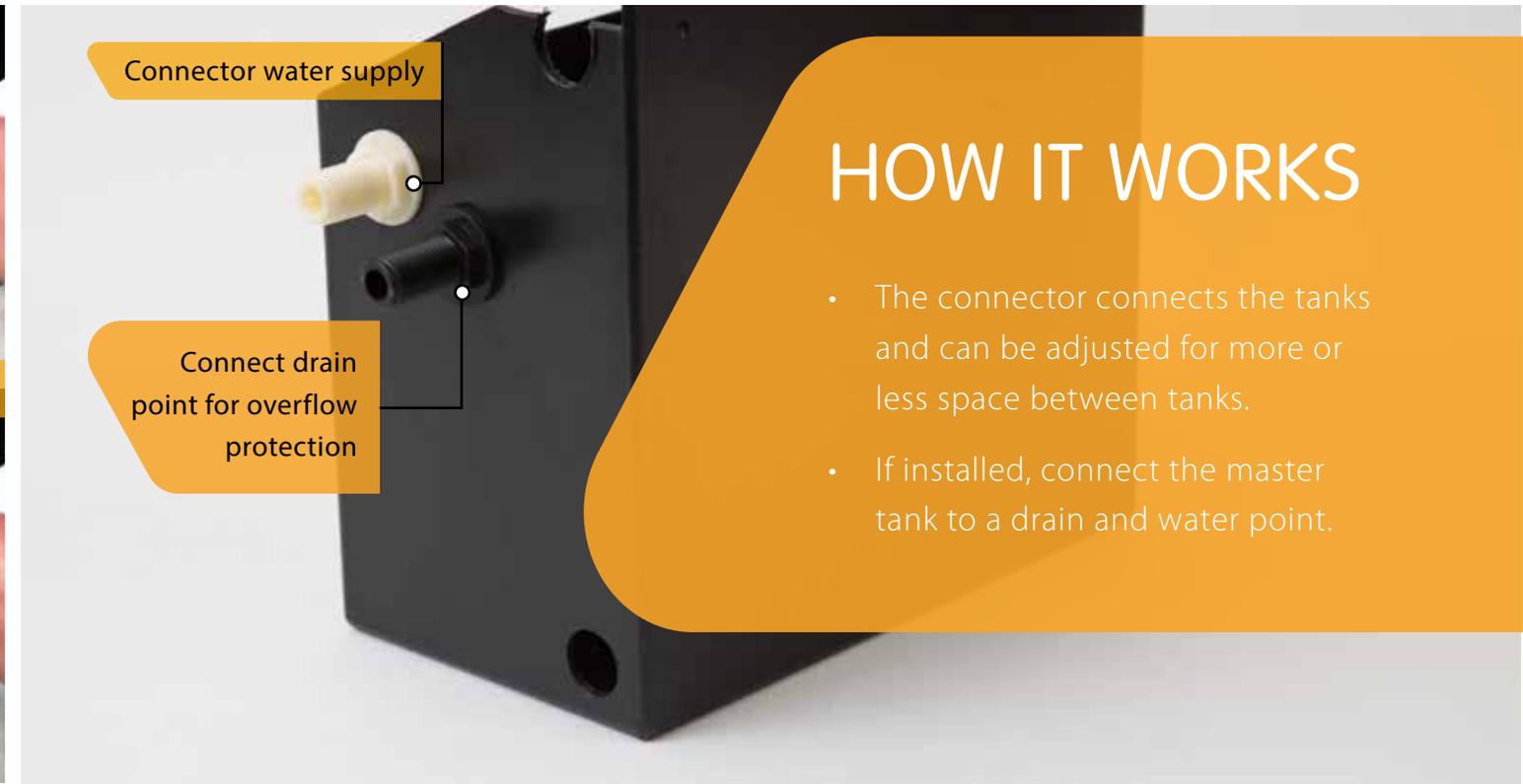
Insert connector pipe



Press tanks together



1
2



Connector water supply

Connect drain point for overflow protection

HOW IT WORKS

- The connector connects the tanks and can be adjusted for more or less space between tanks.
- If installed, connect the master tank to a drain and water point.



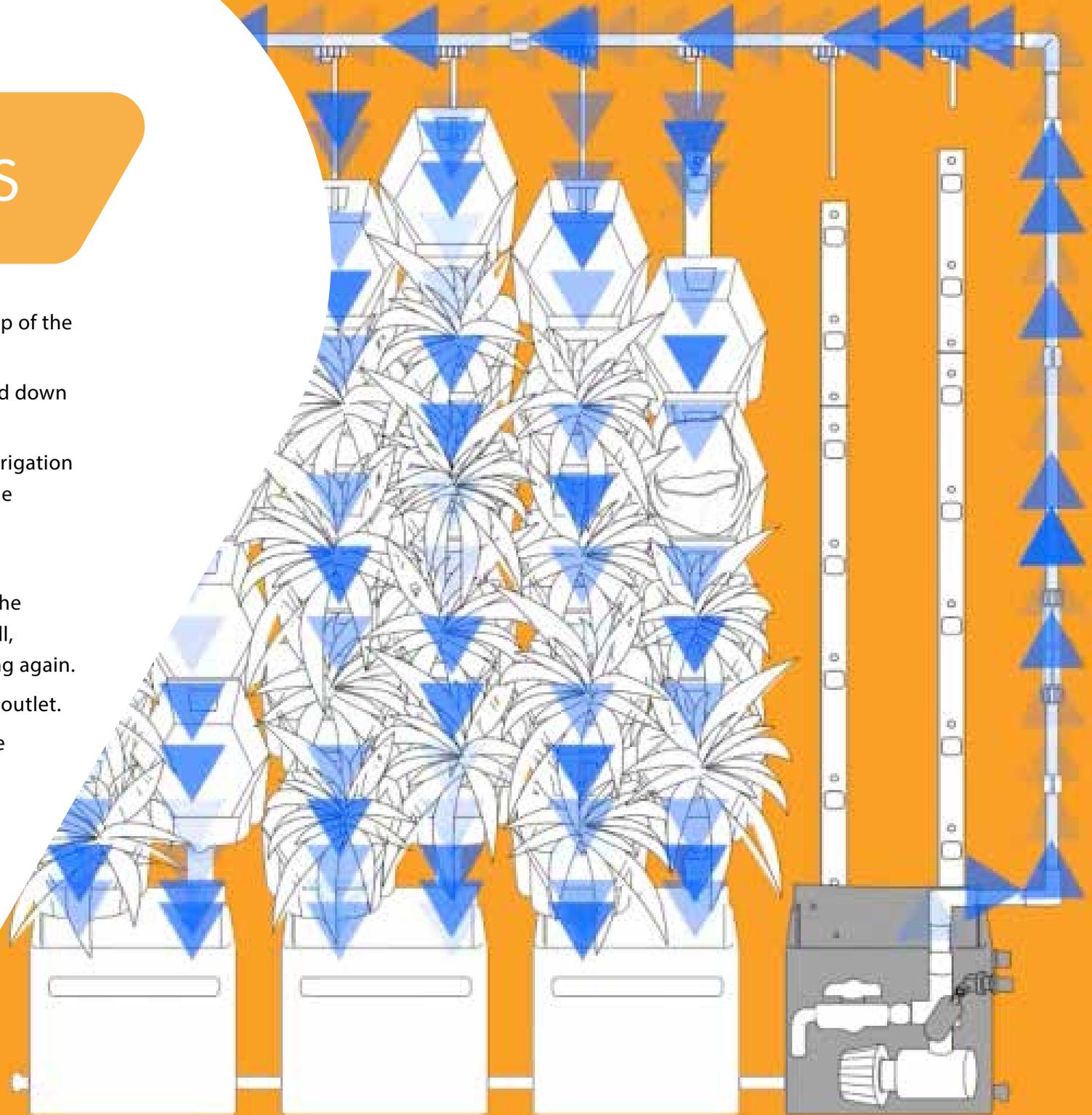
IRRIGATION AND FILTER KITS

Plug-and-play pre-engineered irrigation systems ensure the simple assembly of a proven solution, scalable from 2-60m², without the need for external specialists to consult on irrigation.



HOW IT WORKS

- The dripper system is placed at the top of the wall, dripping water into the pots.
- The water drains through the pots and down the wall, into the tanks.
- The same water is used again in the irrigation system when a pump is installed in the master tank.
- Watering is done on a wet-dry cycle.
- Flood irrigation means water will fill the system for one hour, flood the full wall, and then be left to dry before watering again.
- The pump is attached to an electrical outlet.
- The user can install a timer to manage watering times.





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