

## Irrispray-Fixed-I

"Waterin boom for young plant"

This newly developed watering boom for young plant nurseries has many advantages that fulfill the requirements that young plants have.

The watering boom is being transported on two stabile rails. These rails make it possible to support the boom even when the distance between trellis in the greenhouse is 5m apart. That means: the rails do not bend when the watering boom moves along the rails. This is of great importance for young plants. In this way, all the young plants receive an equal amount of water and are applied uniformly. The watering boom has a valve for every tap/pipe/channel, i.e. watering pipes, spray pipes and plant protection liquid pipes so the watering boom operator can turn off every tap separately directly at the watering boom.



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The irrigation boom carries a Dosatron (big size), as well as a mixing device with a 50 liter reservoir. Additionally, the watering boom carries a 10 litre tank, for fertilizer solution.

Software / computer control system, the most important part of this watering boom is the software system / computer control system. The software systems provides the following functions:

The watering boom can carry out multiple commands, for example water table 2 and table 15 or supply table 23 and table 28 with plant protection liquids. Operational command can also be programmed for hours during the night, so that the spraying liquids in the reservoir can be activated/ prepared in the afternoon for mixing and the plants can be automatically sprayed at 20h00.



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When working in automatic mode the boom does not work with magnets as indicator, this prevent the risk that a section will be missed and the plants could dry out with a lot of damage as a consequence. The automated control can prevent this, because it can operate independent of the magnets.

The watering boom can also be operated and monitored at the computer, or using a handheld device ( iPhone, iPad, tablet etc.).

The computer software saves a lot of energy, water and materials. This watering boom does not move like a standard watering boom without water to its home position. When the watering boom has completed a command, it waits at that position for the next command. This watering boom only waters and sprays plant protection liquids where it is absolutely necessary. It does not water tables or paths that do not hold any plants. Naturally, the lifetime of the irrigation system is prolonged.



Of course, the computer software can be shut off and the irrigation boom can be operated manually. For this purpose controls are installed on the watering boom, which can be used by the operator to control the separate functions. For this purpose, magnets for the manual selection of zones are also available.

Climate control computer. The watering boom has a climate control software program interface. The software collects information from the climate control software program and when it receives a certain signal (for example the natural light level rises above a certain level, etc.), the watering boom starts watering.

The watering boom can be controlled from the Visser service office via internet. A quick and direct maintenance can be realized in this way.

These watering booms are adjustable in height.

