



VISCON
plant technology

PLANT TECHNOLOGY

Watering technology



**Quick return
on investment**



PRECISION THROUGH TECHNOLOGY

Watering & spraying

Viscon Plant Technology is specialized in developing watering and spraying booms which provide your business with precision and efficiency when it comes to irrigation. Viscon develops both fully and semi automatic systems. Whilst designing a watering or spraying boom Viscon specifically looks into the ideal application within your business.

Our watering and spraying booms can be configured with a speed of 5-27 meters per minute. The systems operate perfectly with greenhouse temperatures in the range of 5 and 40 °C.

In the eighties many irrigation and spraying booms were introduced to the market. Since the beginning Viscon has been closely involved in developing the newest irrigation technologies. Up until today our range covers complete systems that perfectly suit the conditions in your greenhouse.

Advantages

- ✓ Higher yields
- ✓ Better quality
- ✓ Low maintenance costs
- ✓ Water savings of 30-50%

Sign up for our newsletter

Go to www.viscon.eu and be updated on new developments and case stories.



WATERING TECHNOLOGY

How it works

The development of watering and spraying booms by Viscon has led to a remarkable revolution in greenhouses. Traditional fixed irrigation sprinklers are known for watering irregularly. This provides a number of disadvantages in comparison with Viscon's watering and spraying booms:

- ✓ Excessive use of water and fertilizer
- ✓ Irregular growth of crops
- ✓ Forming of water drops due to leakage
- ✓ Forming of condensation underneath the sprinklers

Viscon develops watering and spraying booms which distribute the water as equally as possible over plants and crops. This process is enhanced by a water driven dosing pump, the Dosatron. The crops' quality improves while large quantities of water (30 to 50 percent) are saved.

Advantages of the Dosatron

Thanks to this water driven dosing pump you will have:

- ✓ More efficient use of water
- ✓ Ideal concentrations of chemicals mixed with water
- ✓ More efficient use of time



SEMI AUTOMATIC – WATERING & SPRAYING

Irrispray-SA/F

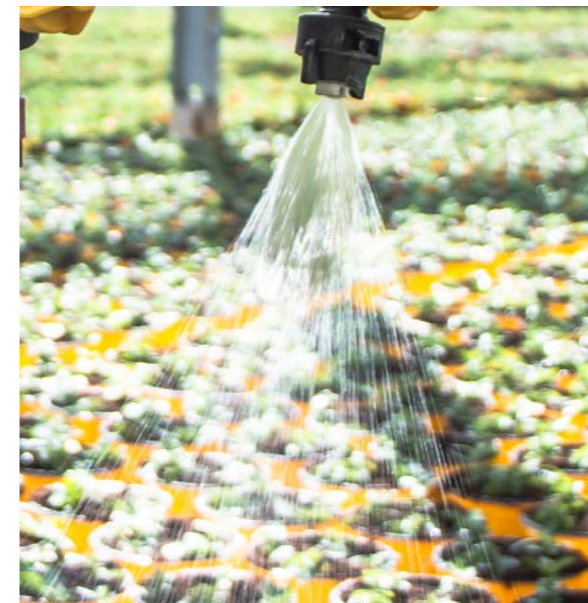
The Irrispray-SA/F is a semi automatic irrigation and spraying system for your greenhouse. It is particularly applicable for irrigation during seasonal growth. Since the Irrispray SA/F is semi automatic the boom is manually transported from bay to bay in your greenhouse.

This semi automatic irrigation system is transportable and covers your plants' basic needs. The Irrispray SA/F also has a trolley on the floor of your greenhouse; you will not require pipes for the transport trolley. The height of the boom above your plants is also easily adjustable, meaning that it can be transported from one greenhouse to another.

With the Dosatron you are capable of dosing pesticides in your greenhouse accurately. This allows you to run your business more efficiently.

Technical specifications

- ✓ Mobile on middle and front path
- ✓ Transportable boom
- ✓ Standing
- ✓ Maximum house length of 65 meter
- ✓ Maximum house width of 9,60 meter
- ✓ 1 or 2 rails
- ✓ Water driven dosing pump



SEMI AUTOMATIC – WATERING & SPRAYING

Irrispray-SA/HS

Viscon's Irrispray-SA/HS is a semi automatic, transportable solution for your watering and spraying applications. The system is specially designed to work on the front path. This watering boom can be transferred from bay to bay easily and creates spaces on the path since it is a hanging system. The height of the boom above your crops is also easily adjustable, meaning that it can be transported from one greenhouse to another.

The Irrispray-SA/HS uses magnets to detect whether the end of the rails has been reached. The rails may either be existing heating pipes or steel galvanized pipes.

Hanging system creates space on the path

Technical specifications

- ✓ Mobile on front path
- ✓ Transportable boom
- ✓ Hanging
- ✓ Maximum house length of 120 meter
- ✓ Maximum house width of 12,80 meter
- ✓ 1 or 2 rails
- ✓ Water driven dosing pump

SEMI AUTOMATIC – SPRAYING

Irrispray-SA/ Omega

The Irrispray-SA/Omega is a semi automatic spraying boom. When the boom is positioned in the bay it will automatically run the preset program. The system consists of a driving unit which will drive over one or two pipes in the bay. On top of the Irrispray-SA/Omega you find a dosing unit including Dosatron, an electric driven mixer and a plastic tank. Since the system is semi automatic, transportation from bay to bay is a manual process.

The spraying boom is delivered with a transport trolley that drives over two pipes above a central pathway. This transport trolley is equipped with four sets of steel wheels in a V-shape. This ensures that the Irrispray-SA/Omega can be transferred manually from bay to bay easily.

Technical specifications

- ✓ Mobile on middle path
- ✓ Transportable boom
- ✓ Hanging
- ✓ Maximum house length of 90 meter
- ✓ Maximum house width of 12,80 meter
- ✓ 1 or 2 rails
- ✓ Water driven dosing pump



FULLY AUTOMATIC – WATERING & SPRAYING

Irrispray-Auto

Viscon developed the Irrispray-Auto I and II to provide for the demand for fully automatic watering and spraying systems in greenhouses. The system is automatically transferred from bay to bay. The Irrispray-Auto will be installed in every bay with an adjustable height setting. Power, water, and additional motors are supplied through a horizontal hose system. The Irrispray-Auto can be delivered with a computer including software to preset all settings in the overview.

The main difference between the Irrispray-Auto I and II is the fact that the system's rails consist of either one or two pipes. This fully automatic system thanks its efficiency to the ability to customize programs in advance. This limits the number of human actions required, allowing you to leave the greenhouse during operation.

Automatic transfer creates efficiency

Technical specifications

- ✓ Mobile on front path
- ✓ Transportable boom
- ✓ Hanging
- ✓ Maximum house length of 100 meter
- ✓ Maximum house width of 9,60 meter
- ✓ 1 or 2 rails
- ✓ Reservoir with a capacity of 10 or 30 liter
- ✓ Water driven dosing pump

FULLY AUTOMATIC – SPRAYING

Spray-O-Matic

The Spray-O-Matic is a fully automatic spraying system. This battery driven unit is provided with a clean water tank, spraying boom, dosing unit and control panel. A transport trolley automatically transfers the unit from bay to bay. Thanks to the battery hoses and cables are not required.

This fully automatic system is the most economic and versatile application for spraying your crops. Additionally, the Spray-O-Matic is known for its low water consumption thanks to its special spraying nozzles. A tank with liquids is positioned on the boom, which means that the excessive use of cables is no longer required.

Besides a fully automatic application, Viscon's extensive range also consists of a semi automatic configuration of the Spray-O-Matic. The semi automatic configuration requires the transport trolley to be manually transferred from bay to bay.

Technical specifications

- ✓ Mobile on middle + front path
- ✓ Transportable boom
- ✓ Hanging
- ✓ Maximum house length of 150 meter
- ✓ Maximum house width of 8,00 meter
- ✓ 2 rails
- ✓ Reservoir with a capacity of 120 liter
- ✓ Battery driven unit



Economic & versatile application.



Automatic transfer creates efficiency.



FULLY AUTOMATIC – WATERING

VWS

The VWS (Viscon World Standard) is a fully automatic system with a fixed watering boom per bay in your greenhouse. It is known for its proven horizontal hose guiding system. The system is specifically suitable for misting or watering a single house. This gantry will run on either one or two pipes at your choice. This is the main difference between VWS I and II. The boom generally drives over two pipes in the bay in case of a high bay width, or when stability during irrigation is highly required.

Supply of power and water is taken care of by the automatic system. Due to the presence of a fixed watering boom per greenhouse it is possible to obtain high capacities.

The VWS I and II have been developed by Viscon to make the simultaneous watering of plants and seeds in different greenhouses possible. As a result of this increased capacity Viscon's proven system is very well applicable to seeds and plants which require regular watering.

Technical specifications

- ✓ Fixed irrigation boom
- ✓ Hanging
- ✓ Maximum house length of 170 meter
- ✓ Maximum house width of 12,80 meter
- ✓ 1 or 2 rails
- ✓ Water driven dosing pump

Excellence in sustainable plant production



Viscon Plant Technology

Mijlweg 18
3295 KH 's-Gravendeel
The Netherlands

+ 31 (0) 78 673 9898
www.viscon.eu