

# Products & Solutions

for forest nurseries



Plant the Planet



## The BCC Watering Tunnel



easily operated control panel



nozzles for precise dosage of water



chemical dosage unit



drive chain speed can be adjusted to allow for more or less water application

## The BCC Watering Tunnel

### THE PROCESS

After seed sowing an initial soaking of the growing substrate is required for optimum germination. This is normally done in the greenhouse but could also be done directly after the sowing process in the production line. In many cases a preventative fungicide application is done after sowing to reduce the risk of fungal attacks such as damping-off (*Fusarium* spp.) during the germination phase. After the setting of cuttings, it is important to keep cuttings cool while in transit to the greenhouse or rooting area. An initial preventative fungicide application is also common practice in many vegetative propagation nurseries.

The BCC Watering Tunnel is flexible to fulfil the requirements of initial soaking, cooling through misting and application of fungicides.

#### In feed:

In a typical production line, the Watering Tunnel is placed after the Tray Covering Unit. The Watering Tunnel has a drive chain which feeds trays through the tunnel..

#### The watering process:

Spraying starts automatically once the tray enters the tunnel. This is done by a photocell which detects an incoming tray and activates a solenoid valve. Water pressure can be regulated to ensure correct application. A fogging or misting nozzle is used for cuttings to obtain a cooling effect, while a high flow rate nozzle is used for seed to ensure that the media is properly soaked. The drive chain speed can be adjusted to allow for more or less water application. Preventative



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fungicides and other additives are mixed to the water using an integrated chemical injector unit. Run-off water is collected in the bottom of the collection tank and drained through a drainage hole. An external drain can be connected to the drainage hole.

#### Out feed:

After the watering process, trays are fed out of the Watering Tunnel for collection and further transfer to the greenhouse or rooting area.



stainless steel chain for extra durability

### OPERATIONAL BENEFITS & KEY FEATURES

- Additional feeding bars are added to the drive chain for trays like the BCC 96 Insert Frame.



### ACCESSORIES AND EXTRA FEATURES

- Chemical dosage unit

## TECHNICAL DATA

### Technical Data

Dimensions (L x W x H):	1.4 x 1.0 x 1.5 m
Capacity:	Depending on tray type and desired water amount
Power supply:	3x400 V, 50 Hz
Power requirement:	0.2 kW
Water consumption:	13,5 l/min
Water pressure:	200 kPa
Weight	165 kg

\* Note that the equipment can be customized to meet individual requirements

Disclaimer - As BCC AB equipment is continuously developed and refined, the design and capacity can differ from the figures listed here.

