



H₂Ortigator

Your replacement plant babysitter

Grow **strong,**
healthy
replacement plants
that **yield seasons**
earlier

H₂Ortigator
Precision irrigation
nutrition &
protection



Rapid establishment & accelerated growth.

Unlock the full potential of your replacement trees and vines with H2Ortigator, providing optimum soil moisture and nutrients for vigorous growth and reduced mortality rates.



The ultimate protection

for young plants. We safeguard them from pests, sprays, and accidental machinery damage while enhancing visibility of replacement plants for machinery operators and staff



The solution to weed competition

The unit suppresses weed growth, allowing your plants to establish without fighting for resources & removing the need for specialised herbicide sprays for the young plants



Provides essential shade & protection

to your plants' rootzone, promoting optimal growth, minimising evaporation & temperature variations.



Seamlessly integrates with your irrigation system,

H2Ortigator connects into and is controlled by your existing micro sprinkler or drip irrigation system



Unbeatable precision & efficiency

With H2Ortigator, you can deliver water precisely where it's needed, reducing waste and maximising plant health.



Works long after your irrigation has finished

Your young plants receive extended irrigation even after your irrigation system has finished, ensuring that they have access to the moisture they need to thrive



Focus on critical tasks

Minimal maintenance required. Removes the need for specialised herbicide sprays, manual irrigation & weeding, freeing up staff time and increasing efficiency.



HOW IT WORKS?

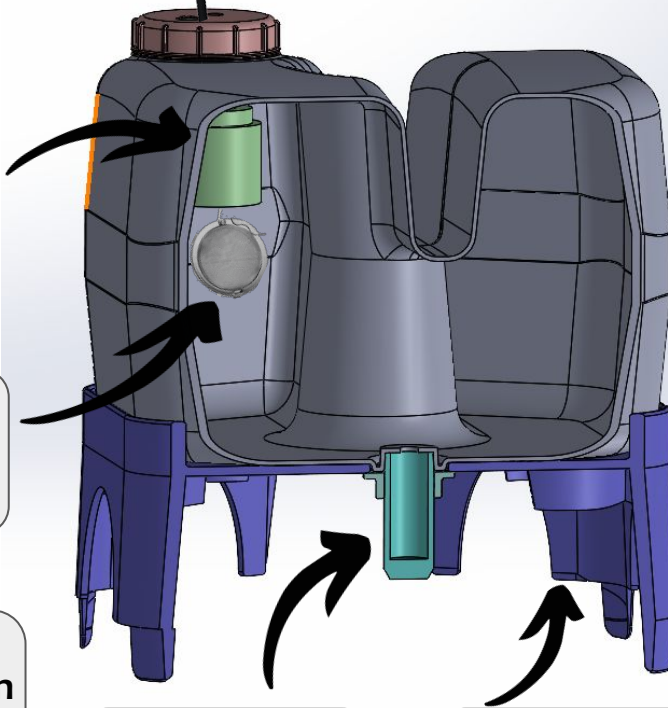
Simplicity is the key!

H2Ortigator operates on a pressure and vacuum system offering a simple, low maintenance solution that mimics the frequent and often irrigation practices utilised in new plantings. The patented self cleaning emitter technology allows the unit to operate all season long without any requirements or maintenance post installation

Connects into the existing irrigation lateral line via a 4mm dropper hose and connector

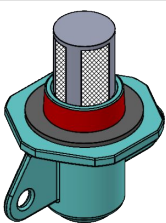


Float valve limits the water volume to ~7 litres



3-month slow release fertiliser prill bell

Emitter unit with 120 micron filter to collect contamination



Ultra low rate drip emitter applies water directly to & remains in the plants small rootzone

Unit shading protects the fine feeder roots & reduces evaporation

Two emitter rates available

1st season emitter 0.15L/hr applies over a 48hr period
2nd season emitter 0.25L/hr applies over a 28hr period

Designed for the first two years of a replacement plants life then move to another replacement plant

Installation

Install the unit at planting

Slide the unit around the replacement plant and under the irrigation line/wire

Connect the 4mm dropper hose into the lateral line or replace an existing micro emitter

Works in conjunction with the existing irrigation system and scheduling

Irrigation is applied to the mature plants



7L of water accumulates in the unit in under 1 minute until limited by the float valve



As the unit fills it pressurises, activating the self cleaning function



After irrigation has ceased for the mature plants H2Ortigator continues to apply irrigation to the replacement plants for 48 or 28 hrs (emitter dependant)



Each fill a small amount of nutrients are dissolved from the fertiliser prill bell



Brendan Hamilton



info@h2ortigator.co.nz



+64 2102567008



www.h2ortigator.co.nz