



**COMMERCIAL ONSITE  
WATER RE-USE OPPORTUNITIES**

# NETAFIM'S EXTENSIVE EXPERIENCE IRRIGATING SOME OF THE WORLD'S HARSHTEST REGIONS HAS FACILITATED THE DEVELOPMENT OF HIGHLY ADVANCED IRRIGATION PRODUCTS TO OPTIMISE EVERY DROP OF WATER.

## NETAFIM WATER EFFICIENT DRIPPERLINES HAVE BEEN IRRIGATING AUSTRALIAN AND NEW ZEALAND CROPS & GARDENS FOR OVER 25 YEARS, SAVING MILLIONS OF LITRES OF WATER EVERY YEAR.

### What Netafim re:SOURCE offers

The Netafim re:SOURCE Division has extensive global experience in water re-use from small domestic systems to large commercial onsite projects.

Our products and services are designed and packaged into solutions to suit any situation and environment.

Every product developed for commercial onsite applications is designed to adhere to government regulations from both an environmental and health perspective, along with general water quality concerns.

### Benefits For Commercial Onsite Applications

Any treatment system within Australia or New Zealand that is over domestic household size has to be authorised and approved by state or regional government. These treatment applications may be a large single dwelling system: such as schools, resorts, motels, caravan parks, service stations, national parks or multi dwelling systems, which are fast becoming the most economical method of collecting and transporting partially treated wastewater from up to 1000 dwellings to a treatment facility.

Multi dwelling systems use a conventional septic tank for pretreatment, removing most settleable and floatable solids from the effluent. Specifically designed pumps then move the septic tank effluent to the treatment site via a network of small diameter pipes.

After treatment, the effluent can be re-used for irrigation as a third pipe system or in public open space. However, most systems use sub-surface drip irrigation for the reduced health risks it offers.

When used on a community scale, multi dwelling systems provide much more scope for higher treatment and further applications for the re-use water - such as irrigation on parks, gardens, agricultural crops and more.



## How Netafim UniBioline Subsurface Drip Systems Work

Netafim's subsurface drip dispersal system delivers a slow and precise application of treated effluent evenly throughout the soil. The soil creates the perfect environment for further treatment of the effluent and helps deliver essential nutrients & moisture to flora.

The UniBioline dripperline comprises of flexible polyethylene tubing with evenly spaced emitters. When water is pumped through the system, these emitters ensure an even, slow distribution of the effluent is discharged into the soil. Like all Netafim dripperline systems, the UniBioline dripperline creates a physical barrier between effluent and human interaction.

## Drip System Layout

A drip dispersal system can be installed either below the ground in turf, or below the mulch in gardens. The layout consists of a central treatment system with a pump, filters, submains, dripperline, air vacuum release valves, a flushline and flush valve.

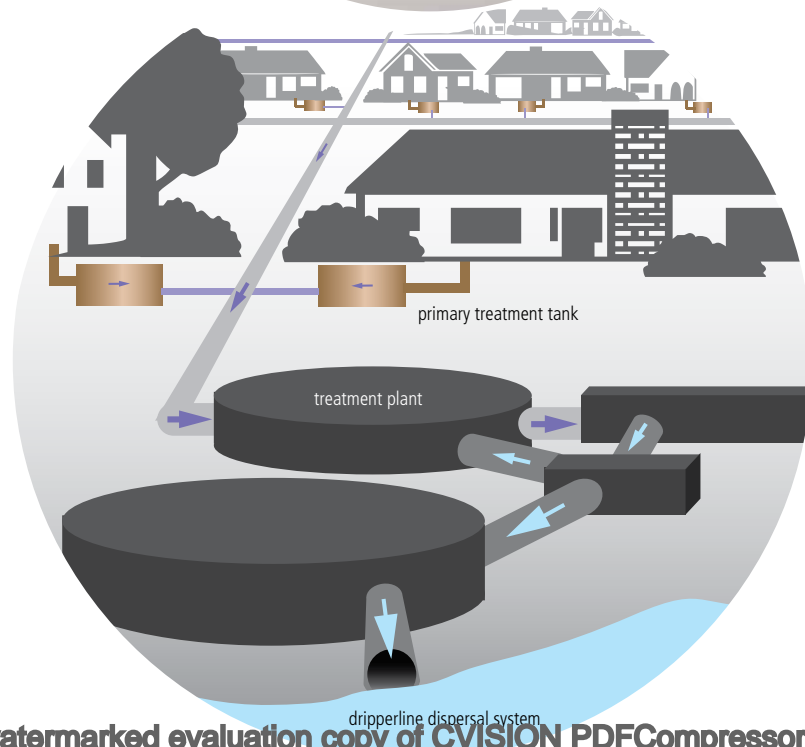
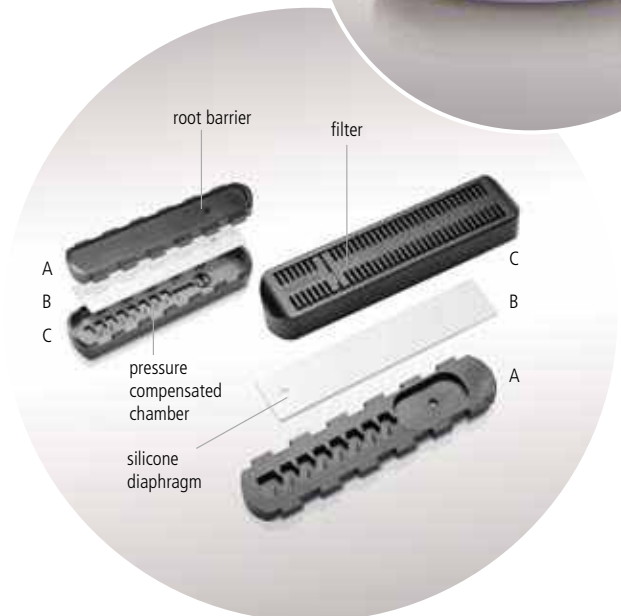
## Why Drip?

- Ideal for difficult site conditions such as clay, shallow soils, steep slopes and high water tables.
- The most advanced technology available for recycling water and re-using nutrients when applied to landscape irrigation.
- Eliminates health risks associated with dispersal methods that allow wastewater to surface or become airborne.
- The slow application rate reduces run-off and ponding of effluent.
- Achieves a balanced water distribution throughout a shallow profile by directly applying the effluent to the root zone of plants.
- Ensures uniform distribution of effluent for a long system life.
- Dosing and resting cycles take full advantage of the treatment capabilities of the soil for cleaner water in the aquifer.

## On Going Netafim Benefits

A key component of the Netafim system includes real time remote monitoring and control options to make managing the system easier for operators.

Netafim's Technical Services Division also provides an ongoing customised service for commercial onsite clientele, offering: project development, design, commissioning & training packages, automation service plans and system reviews.



dripperline dispersal system

**Australia:**

**Melbourne**

213-217 Fitzgerald Rd,

Laverton Vic 3026

PO Box 248

Laverton Vic 3028

t. (03) 8331 6500 f. (03) 9369 3865

**New Zealand:**

**Auckland**

13a Aintree Ave,

Airport Oaks 2022

PO Box 53139

Airport Mail Centre Manukau City 2150

t. (09) 256 2551 f. (09) 256 2552

**Email:** [netinfo@netafim.com.au](mailto:netinfo@netafim.com.au)

**Web:** [www.netafim.com.au](http://www.netafim.com.au), [www.netafim.co.nz](http://www.netafim.co.nz)

