

# POTTED PLANT WATERING SYSTEMS

A LABOUR SAVING DRIP SYSTEM FOR WATERING POTTED PLANTS





# LOW COST AND SAVES LABOUR

## THREE MANIFOLD OPTIONS

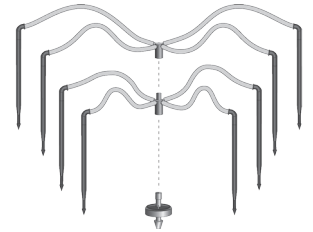


The Flat manifold is ideal for field applications. The low-profile design and durable construction resists damage from field workers.

The Flat Stackable manifold is combined with a 4-Way or 2-Way manifold to create additional configurations.

## FLAT STACKABLE MANIFOLD

When many small pots are to be watered, two manifold assemblies can be stacked together to create an 8-Way assembly. The flow per pot is then 1LPH.



## ANGLE ARROW DRIPPERS

The Standard Angle Arrow Dropper is 160mm in length, used for small and large pots.

## PRESSURE COMPENSATING DRIPPERS

The CNL & PCJ CNL is pressure compensating to provide a constant flow from 15 - 40m and has a built-in check valve to prevent system drainage into the lowest plants.

- Flat 4-Way manifold is usually combined with the 6.0 LPH to 8.5 LPH Dropper
- Flat 2-Way manifold is usually combined with the 3.0 LPH to 4.0 LPH Dropper



## UV WHITE™ PE TUBING



Fully UV resistant and completely opaque to prevent algae growth. This tubing is not coated or layered white, it is solid white for long-term durability. Netafim's UV White™ PE Tubing produces cooler water temperatures

and enhances plant growth.



# IMPROVES PLANT QUALITY

## PRODUCTION TOOL

Comparing a Netafim system to hand watering is like comparing a hand saw to a power saw. A hand tool is fine if you have the time, but for production scale growing, power tools are a terrific step forward.

## HIGHER CROP VALUE

This results from having a highly uniform top quality crop - which is what to expect when water and fertilizer uniformity are improved. Netafim's Multi-Outlet Drippers (MOD) feature both pressure compensation and a built-in check valve. This combination of features (referred to as PCNL) is the highest level of technology available in drippers today.

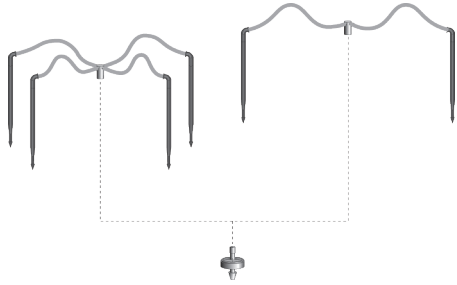
This technology ensures that every plant will receive exactly the same amount of water and fertilizer regardless of where the plant is located within the system. Each dripper adjusts itself automatically to the system pressure and elevation so that even on rolling or sloped ground, the uniformity of watering is 94%. The built-in check valve prevents unwanted drainage of the system onto the lowest plants when the watering cycle is completed.

## LESS DISEASE

Water on foliage and flowers can spread disease rapidly. By applying water directly to the pot, the rest of the plant remains dry. Additionally, pesticides which are applied to the foliage are not washed off by daily watering. This can reduce the need for spraying - further lowering production costs - and decrease run-off contamination.

## FLEXIBLE AND PORTABLE

The 4-Way Flat manifold separates for easy storage or transport in a box. The dripper supply tubing (with the dripper attached) can then be rolled up without tangling the spaghetti tubes. If a different plant spacing is desired, simply change the 4-Way manifold.



## LOW COST AND FAST PAYBACK

Payback for a complete system is usually within the first season of operation.

HAND WATERING SCHEDULE (PER PLANT)	3 SECONDS ONCE A DAY	
Cost per plant	\$0.50	
Wages & Benefits (per hour)	\$9.00	\$12.00
Netafim System Payback (days)	100	76



4-WAY MOD SYSTEM



2-WAY MOD SYSTEM



ANGLE ARROW DRIPPER

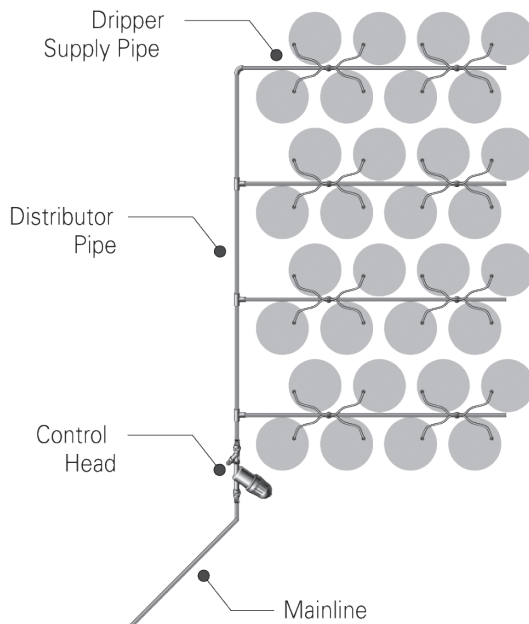
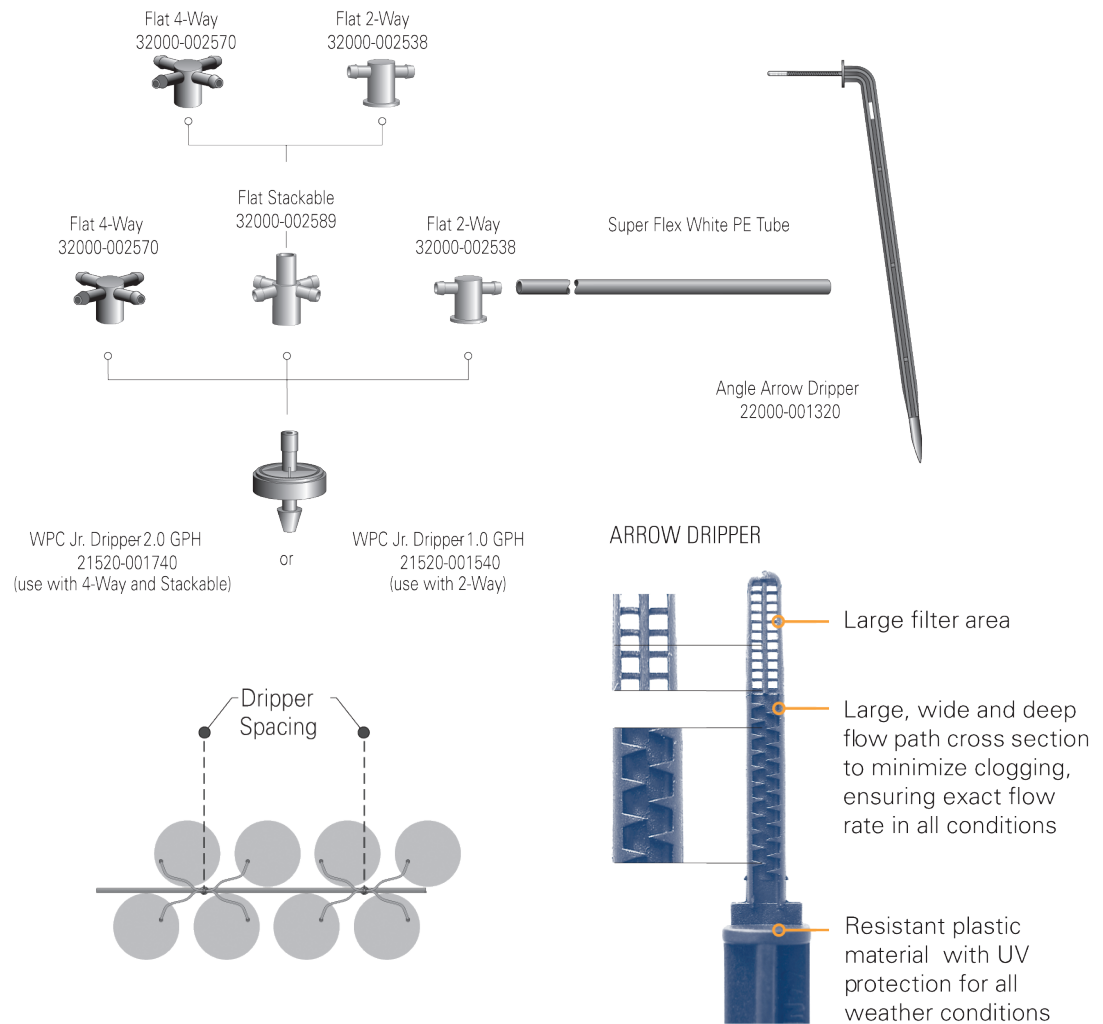


# COMPONENTS AND LAYOUT

## ASSEMBLY

For complete assembly, order one Manifold Assembly and one Pressure Compensating Dripper.

NOTE: The flow per arrow dripper is equal to the dripper flow divided by the number of arrow drippers on that assembly. To ensure plants will receive equal water flow, use the same assemblies on each zone.



## DESIGN

To get the most out of your potted plant watering system, it is vital that you select the dripper spacing which is matched to the length of the pipe column, the correct size dripper supply pipe and that you identify the correct flow demand.

For design help with Multi-Outlet Dripper Watering Systems, please contact your local Netafim representative.

# A PROVEN SOLUTION

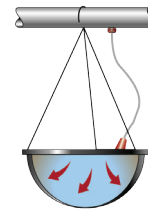
## LOW COST AND FAST PAYBACK

Payback for a complete system is usually within the first season of operation.

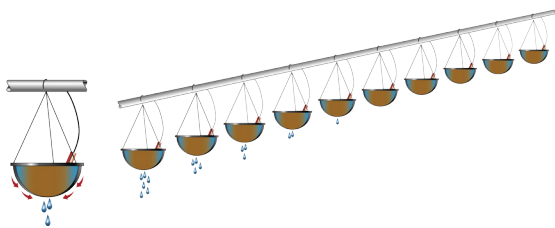
<b>HAND WATERING SCHEDULE (PER PLANT)</b>	<b>3 SECONDS ONCE A DAY</b>	
Cost per plant	\$0.75	
Wages & Benefits (per hour)	\$9.00	\$12.00
Netafim System Payback (days)	100	76

## SLOW, LOW FLOW DRIPPERS

Netafim drippers flow slowly, and uniformly, so the soil media is easily wetted without any run-off around the edges of the basket. The PCNL features of the dripper ensure that each plant receives the same amount of water at the same time.



## NETAFIM SOLVES THIS PROBLEM



Most first generation drippers soak the baskets to overflowing at the beginning of the line by the time the baskets at the end of the line receive adequate water.

One cause is the very high flow of these drippers (often 20 times higher than Netafim drippers). When the soil media dries and shrinks away from the wall of the basket, the high flow from the drippers runs to the edge, into this gap and around the soil, pouring out on the soil and plants below. The relatively low uniformity of these systems compounds the problem.

## MULTI-TIER UNIFORMITY

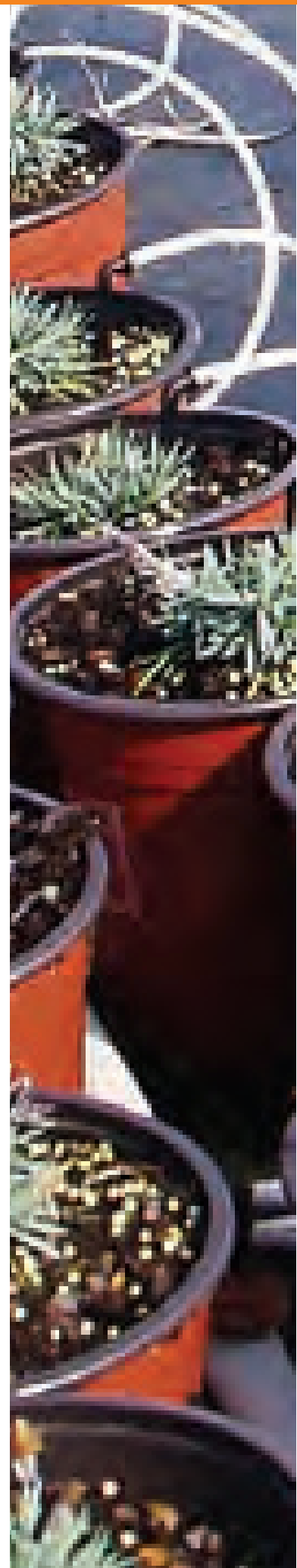
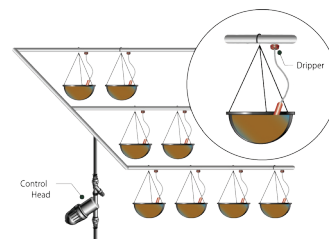
Netafim Hanging Basket Drippers all flow precisely the same, regardless of the length of tube (unlike lead weight drippers). This means that several lengths of drippers can be combined on the same line, with each dripper emitting precisely the same amount of water.



## SUPER FLEX UV WHITE™ PE TUBING



Fully UV resistant and completely opaque to prevent algae growth. This tubing is not coated or layered white, it is solid white for long-term durability. Netafim's Super Flex UV White™ PE Tubing produces cooler water temperatures and enhances plant growth.







# **NETAFIM<sup>TM</sup>**

**GROW MORE WITH LESS**

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