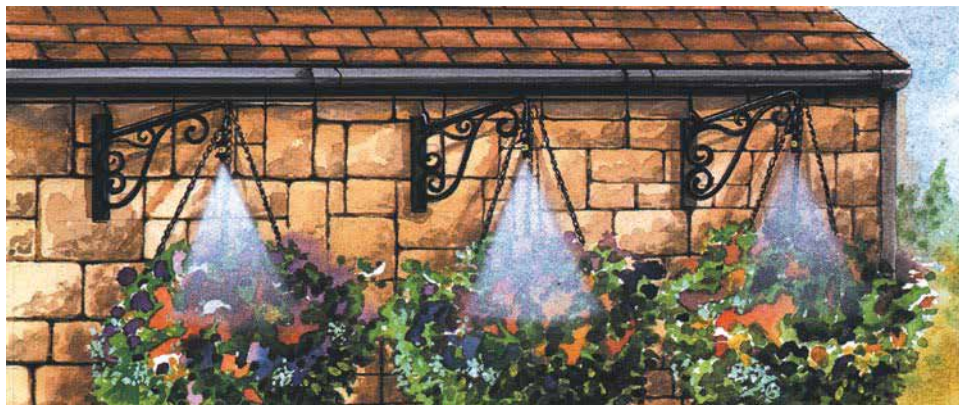


# Raindance

## WATERING AND FEED KITS



- Waters and fertilizes through small bore tubes
- Ideal for tubs, troughs and patios
- Controlled watering of greenhouses and open areas



KIT 3  
With automatic computerised timer



KIT 1  
Manual timer



KIT 2  
With semi-automatic timer

**ADVANCED IRRIGATION SYSTEM  
AVAILABLE IN THE THREE KITS ABOVE**

# Raindance

## RAINDANCE WATERING AND FEED KIT

- ❶ **Runs at full mains pressure - no pressure reducer required.**
- ❷ **Very easy to install all connectors are simple push fit.**
- ❸ **Introduces fertiliser every time you water - your floral displays will look spectacular.**



- ❹ **Option of fully automatic operation with computer timer valve - this is the most popular option.**
- ❺ **Small bore flexible tube is easy to conceal for a neat installation.**
- ❻ **The system can be easily extended or altered should the need arise.**

*Raindance* Irrigation and Feed system is superior in design to other microbore bore systems because it can operate at full mains pressure - this enables small bore tube to be used which is easier to install and far neater as it is easier to hide.

Our system uses 2 sizes of flexible tube, the 10mm O.D. (outside diameter) is used for the main arterial runs where water pressure maybe poor or long tube runs are involved, the small 6mm tube is used to deliver the water to the adjustable sprayheads.

**IMPORTANT** For smaller applications, use of 10mm tube

is not necessary unless your supply pressure is poor (less than 40 psi for example).

Our fully automatic watering and feed system will take excellent care of your plants, regular watering prevents the soil or peat from drying out and cracking - once cracking appears the soil quickly loses its water retention properties. This is especially important for the correct maintenance of hanging baskets, troughs, or tubs etc. which dry out very easily.

The fertiliser system will handle around 10 watering outlets, a cartridge change is usually

required at mid-season. A larger fertiliser system (FS60) is available for larger watering applications (around 15 watering points or more).

The Raindance system is very flexible, it is ideal for watering hanging baskets, patio areas etc. it can also water greenhouses and open garden areas - the system is very flexible due to wide variety of sprayheads available.

You can also get free technical help in designing your system by calling 01507 608100 during office hours (9am-5pm weekdays).

# Raindance

## ADVANCED IRRIGATION SYSTEMS

### KIT 1

WALL MOUNTED TAP WITH DOUBLE NON-RETURN VALVE



#### KIT 1 MANUAL ONLY

- Water supply to be turned on and off by hand.

### KIT 2

WALL MOUNTED TAP WITH DOUBLE NON-RETURN VALVE & TIMER



#### KIT 2 WITH SEMI-AUTOMATIC TIMER

- Semi-Automatic timer needs to be adjusted by hand. The timer automatically stops according to the time you set by hand.

### KIT 3

WALL MOUNTED TAP WITH DOUBLE NON-RETURN VALVE & COMPUTERISED TIMER



#### KIT 3 WITH AUTOMATIC COMPUTERISED TIMER

- Battery powered - no wiring (batteries last for around one year).
- Easily programmed with up to 4 watering cycles per day (full operating instructions included).
- LCD read out for quick review of watering schedules.
- Low battery sensor keeps unit off when batteries need replacing.
- Manual Operation button allows program over-ride.

Together with the equipment shown above - all 3 kits contain the following:

Product code	Qty	Description
MST + V4T	5	MICRO - SPRAY MISTERS with flow adjusters
OCTA8	5	SPRAY/DRIPPERS with flow adjusters
6TEE	10	PUSH FIT 'T' CONNECTORS
6PS	50	CABLE CLIPS
TT	50	TUBE TIES
6BT	25m	6mm OD FLEXIBLE TUBE

A Wide range of SPRAYHEADS and FITTINGS can be purchased separately (refer to ORDER FORM)

# Raindance













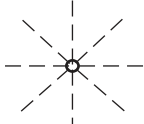





## 6MM & 10MM PIPE - CONNECTORS - FITTINGS

<p><b>TCA6/TCA10</b> TAP CONNECTOR - connects tap (3/4" BSP) to 6mm/10mm tube</p>  <p><b>1 item</b></p>	<p><b>10S6</b> 10MM TO 6MM REDUCING SLEEVE FOR TEE</p>  <p><b>6 per pack</b></p>
<p><b>6TEE</b> 6MM EQUAL TEE</p>  <p><b>6 per pack</b></p>	<p><b>10TEE</b> 10MM EQUAL TEE</p>  <p><b>6 per pack</b></p>
<p><b>6SC</b> 6MM STRAIGHT CONNECTOR</p>  <p><b>1 item</b></p>	<p><b>10T6</b> 10MM REDUCING TEE WITH 6MM LEG</p>  <p><b>6 per pack</b></p>
<p><b>6 ELB</b> 6MM 90° ELBOW</p>  <p><b>1 item</b></p>	<p><b>10SC</b> 10MM STRAIGHT CONNECTOR</p>  <p><b>1 item</b></p>
<p><b>6PS</b> 6MM PLASTIC PIPE SADDLE CLIPS</p>  <p><b>50 per pack</b></p>	<p><b>10R6</b> REDUCING STRAIGHT CONNECTOR connects 10mm tube to 6mm tube.</p>  <p><b>1 item</b></p>
<p><b>6BC4</b> 4 WAY BARBED CROSS* for 6mm tube</p>  <p><b>1 item</b></p>	<p><b>10 ELB</b> 10MM 90° ELBOW</p>  <p><b>1 item</b></p>
<p><b>6BT3</b> 3 WAY BARBED TEE* for 6mm tube</p>  <p><b>1 item</b></p>	<p><b>10PS</b> 10MM PLASTIC PIPE SADDLE CLIPS</p>  <p><b>50 per pack</b></p>

\*Cheaper way of splitting tube, these fittings are less secure & may restrict flow - ideal for splitting tube to several plants.

# Raindance

## SPRAYHEADS, FLOW REGULATORS & SUPPORTS FOR 6MM TUBE

Product Code	Description	Picture	Spray Pattern Produced	Quantity
<b>V4T</b>	VARI-FLOW VALVE Adjusts flow and pressure to spray heads. Use with MST & MS220			<b>6 per pack</b>
<b>MST</b>	MISTER (Max radius 1 metre). Yellow base. Use for hanging baskets and where fine mist is required.			<b>6 per pack</b>
<b>MST + V4T</b>	MISTER + VARI-FLOW VALVE			<b>6 per pack</b>
<b>M220</b>	STRIP SPRAY (2x20° strips). Blue base. Use with window boxes, plant strips and rows.			<b>6 per pack</b>
<b>M220 + V4T</b>	STRIP SPRAY WITH VARI-FLOW VALVE			<b>6 per pack</b>
<b>VRS15</b>	VARI ROTOR SPRAY Adjustable flow. Use for open areas.			<b>2 per pack</b>
	ROTARY SPRINKLER White 55 litre per hour Maroon 70 litre per hour Green 90 litre per hour Blue 120 litre per hour Yellow 185 litre per hour.			<b>1 item</b>
<b>OCTA8S</b>	STAKED OCTA-MITTER			<b>5 per pack</b>
<b>OCTA8</b>	OCTA-MITTER 8 outlet adjustable flow - from dribble to squirt. Use for tubs, conservatories and greenhouses.			<b>10 per pack</b>
<b>VJ180</b>	VARI JET 180° Adjustable flow. General purpose spray in semi- circular pattern.			<b>6 per pack</b>
<b>VJ360</b>	VARI JET 360° Adjustable flow. General purpose spray in circular pattern.			<b>6 per pack</b>
<b>RS</b>	RISER STAKE Takes 6mm or 10mm tube. (300mm in height).			<b>6 per pack</b>

# Raindance

## INSTALLATION INSTRUCTIONS

Installing a Raindance system has been made very easy by virtue of two key features, the small bore pipe used throughout and the simple 'push-fit' connectors. The pipe is simply cut with a sharp knife or scissors, pushed in to the connectors and fastened with clips or ties (in much the same way as an electric cable is fastened). CUT...CLICK...CLIP its easy.

### a) PLANNING THE INSTALLATION

Before you commence installation, we suggest you consider the following aspects:

1. Tap location
2. Positioning of computer/timer
3. Positioning of fertilizer system
4. Routing of distribution pipework

#### 1. Tap location

If you decide to use an existing tap, it should be sited reasonably close to the areas where irrigation is required. As a rule of thumb, the tap should be within 25m of the furthest spray head (the higher your mains pressure, the further you can have your tap from the irrigation areas). If a conveniently sited tap does not already exist, consider the following options:

- i) Use an existing tap further away and use 10mm tube (or hosepipe) to run the main feed line to the irrigation areas.
- ii) Use a Raindance 'Tap Extension Kit' to install a cold water line from an existing 15mm cold water copper pipe to the area you wish to irrigate. This is easily done by clamping the 'Opella Speed Fix' valve firmly onto the 15mm cold water pipe and screwing in the tap to pierce the pipe, 10mm tube is then used to route the water to the tap, the tube can be sited inside or outside (outside tube should be protected against frost).
- iii) Use a plumber to install an additional outside tap

NOTE: Remember that all kits include a wall mounted tap with double non-return valve. If you use an existing tap, replace the old tap with the one provided. This will ensure compliance with water bylaw regulations.

#### 2. Positioning the computer/timer

This will usually be on the end of an outside tap. However if security or exposure to passers-by is a problem (e.g. Hotels or Public Houses) the computer/timer can be sited elsewhere. If you elect to put the tap and computer/timer inside, this is easily done using the 'Tap Extension Kit' to run the water feed to the tap. We would suggest that you site the computer/timer in a position which allows the 6mm output pipe to be easily routed outside (e.g. through a window frame or door frame).

#### 3. Positioning of fertilizer system

Install in a shaded location out of reach of small children. Each fertilizer system will service up to 10 watering points.

#### 4. Routing of distribution pipework

In working out where to route the pipework, bear the following in mind:

- i) Keep the total length of pipe as short as possible
- ii) Try to hide the pipe whenever possible by concealing it behind or underneath features of your property such as soffits, fences and walls.
- iii) Ensure there are no kinks or very sharp bends in the tube as this will restrict the flow.

### b) INSTALLING THE SYSTEM

The only tools you will normally require are a drill, hammer, screwdriver, sharp knife or scissors. A well planned installation is simple to fit. Below are helpful hints:

- Use PTFE tape or thread sealant on threaded plumbing joints (not sprayheads)
- Cut PVC pipe off squarely
- Push tube in to push-fit connectors very firmly
- Ensure saddle clips do not kink the pipe
- Do not run the pipework near exposed electrical connections
- Position vari-flow valve as close as possible to sprayheads

**ALWAYS ENSURE THE SYSTEM IS PROTECTED FROM FROST**

### c) SETTING UP THE SYSTEM

If you have a computer controlled valve, fit the batteries and set up according to the operating instructions provided. Turn the water on and adjust the flow to the individual sprayheads to give the spray pattern and flow required at the points nearest the main feed line and work down the line. If you find the system difficult to balance, you can adjust the flow at the tap to regulate the water flow.

### d) ROUTINE MAINTENANCE

Once set up, your Raindance system will require very little attention throughout the season. We recommend that you do the following:

- i) A pack of two fertilizer cartridges should last a season. Replace the first cartridge after two months.

NOTE: Supplementary feeding may still be necessary for some plants.

- ii) Regularly check that all sprayheads are correctly working - in hard water areas misters may block with limescale. Either clean with a de-scaler or replace by screwing in new head.
- iii) At the end of the season, drain the system and ensure that the computer/timer and fertilizer unit are taken indoors (also remove the batteries from the computer).

### e) EXPANDING AND ALTERING YOUR SYSTEM

This is easily done as the push fit connectors will also release the pipe by pushing in the end collars.

### f) FURTHER INFORMATION AND TECHNICAL SUPPORT

A technical support service is available between 9am and 5pm (weekdays) to help with advice on parts and installation. Please call (01507) 608100.