

**HOLMAN**

# Charcoal Colour Misting Kit 10 Metres



PRODUCT CODE

**MK21010**

[www.holmanindustries.com.au](http://www.holmanindustries.com.au)

## User Guide

# Contents

Overview	3
Features	3
Components	4
Plan your Misting Installation	5
Installation	6
Understand your Water Supply	6
How to Position Misting Jets	7
Benefits of a Misting Timer	8
Installing Misting Timer to Misting System	9
How to Join Misting Tube to Compression Fittings	10
Installing your Misting System	12
Flushing the System	15
Maintenance	16
Drain Water from your System	16
Clean Misting Jets	16
Flush System	16
Clean Filter	17
Troubleshooting	18

Please read these instructions in full before proceeding with setup.

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# Overview

## Features

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- ✔ Misting kits can reduce your outdoor area temperature by up to 10 degrees
- ✔ Perfect to cool down patios, recreation and pet areas
- ✔ Keeps areas and plants cool during hot summer days
- ✔ The super fine mist is ideal for watering greenhouses without damaging plants or seedlings
- ✔ 7mm diameter high pressure tube with compression fittings
- ✔ Easy to assemble—fittings simply push over hose tubing with no clamps required
- ✔ 3°C minimum working temperature
- ✔ 275 kPa minimum operating pressure
- ✔ 345kPa – 620kPa operating pressure

Also available in CHARCOAL:

**20m  
Retractable  
Hose Reel**

CD1120C



For perfect retraction every time, easy rewind means a tidy and stylish garden, all year round.



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# Overview (continued)

## Components

1. 5× 7mm Barbed/4mm BSP Threaded Tee
2. 1× 7mm Barbed Tee Connector
3. 1× 7mm Barbed/4mm BSP Threaded End Connector
4. 1× 7mm Barbed Elbow Connector
5. 1× 7mm Barbed Joiner
6. 16× Hose Clamps
7. 5× 4mm BSP Brass Jets
8. 1× 4mm BSP Auto Drain Valve
9. 1× 20/25mm BSP Universal Tap Adaptor
10. 1× 20mm BSP Misting Filter
11. 1× 7mm Misting Hose, 10m



### Misting Kit Parts and Accessories

These misting parts give you the ultimate flexibility to build your misting system exactly the way you want.



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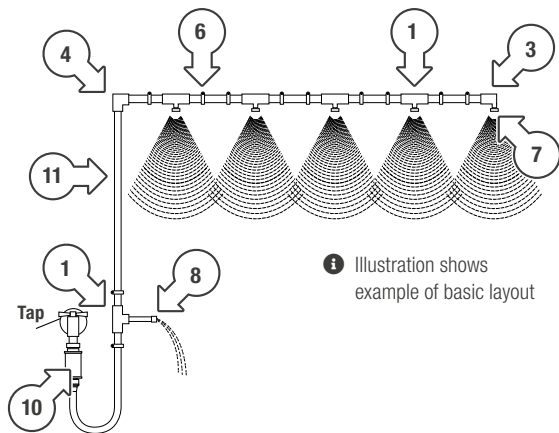


# Overview (continued)

## Plan your Misting Installation

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- i** Plan where to position the **MISTING JETS** ([page 7](#)), where your water source will come from ([page 6](#)) and where the supply pipeline will run
- i** Plan where to attach pipework and a route to easily attach it together
- i** Position **MISTING JETS** to create a “mist curtain” around your outdoor area



# Installation

## Understand your Water Supply

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**⚠ Only fresh tap water is recommended as bore or dam water may contain sediment that will block MISTING JETS**

quicker and more effectively they evaporate and cool the area. A normal household water supply is usually at an adequate pressure

**i** The misting system uses very little water volume. Each jet uses 2 litres an hour

**i** The **MISTING TUBE** can be connected directly to a garden tap

**i** This misting system is designed to run from your household mains tap pressure

**i** You can use a garden hose to bring water from a tap to the start of the **MISTING TUBE** work ([page 12](#))

**i** Please operate within the pressure ratings listed on [page 3](#)

**i** To easily maintain access to your garden tap, install a manifold as shown below

**i** The higher the pressure, the finer the droplets, the

### Metal Tap Outlet Manifolds

Our tap outlet manifolds convert one garden tap into independent, manually operated outlets. Giving you more flexibility in the garden.



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# Installation (continued)

## How to Position Misting Jets

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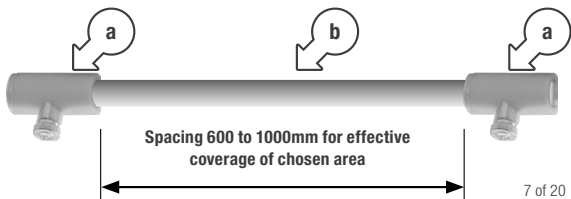
- ⚠️ **Position MISTING JETS away from where people sit as the jets may drip water**
- ⚠️ **Too much water can be a problem. The air can become saturated and even wet the people and objects in the space**

**i** Factors to consider are:

- Spacing of **MISTING JETS** [a] along **MISTING TUBE** [b]
- Location of jets over tables or chairs
- How many jets in a particular area

**i** There are no fixed rules to how you position the **MISTING JETS**. The more jets you have, the more water you will use and potentially the cooler the space will become

- ✔️ Space jets between 600mm and 1000mm apart
- ✔️ Locate jets away from tables and sitting areas if possible
- ✔️ Try to create a curtain of mist on two sides of the area being cooled



# Installation (continued)

## Benefits of a Misting Timer

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- ✔ To achieve the best misting results install a **MISTING TIMER**
- ✔ Regulate the amount of water entering a space by adjusting the “**ON**” times and “**OFF**” times of the timer
- ✔ **MISTING TIMERS** allow you to make these settings in seconds, where other timers may not have this feature
- ✔ We have several Tap Timers with misting settings

Also available:

**MISTING  
TAP TIMER**

CO1609



Beat the heat and complete your outdoor misting setup! Perfect for the short-burst intervals needed to create a cool environment outdoors.



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**BX1**

Bluetooth Tap Timer



Our single outlet **BX1 Bluetooth® Tap Timer** includes a Misting Timer function and is the perfect companion to your **Charcoal Misting Kit**.



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**WX1**

Wi-Fi Tap Timer



Our **WX1 Wi-Fi Tap Timers** include a Misting Timer function and are the perfect companion to your **Charcoal Misting Kit**.



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# Installation (continued)

## Installing Misting Timer to Misting System

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1. Install **MISTING TIMER** directly to tap
  - i** Use **UNIVERSAL TAP ADAPTOR** to connect 20 to 25mm fittings if needed
2. Connect **MISTING TIMER** to **MISTING FILTER**
  - i** If using a **GARDEN HOSE** to bring water from a tap to the start of the **MISTING TUBE** refer to **GARDEN HOSE** installation ([page 12](#))
3. Install misting system and program your **MISTING TIMER** to desired settings



# Installation (continued)

## How to Join Misting Tube to Compression Fittings

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**⚠** Once tubing is installed to **ELBOW, TEE or JOINER CONNECTORS** it cannot be removed

1. Measure and cut **MISTING TUBE** to desired lengths for effective coverage of chosen area



**i** This system features “compression fittings”:

- These fittings grip the **MISTING TUBE** and prevent it loosening or leaking
- To ensure a good joint, the misting tube must be cut square and free of burrs
- To quickly ensure a square cut, use a **MISTING TUBE CUTTER** (sold separately)

Also available:

Misting Kit  
**Plastic  
Tube Cutter**

MS20011

The **Misting Kit Plastic Tube Cutter** gives you the ultimate flexibility to build your misting system your way. The quickest way to ensure a square cut, everytime.



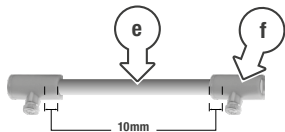
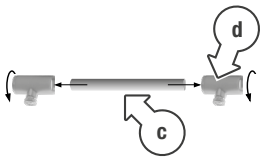
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# Installation (continued)

## How to Join Misting Tube to Compression Fittings (continued)

2. Once **MISTING TUBE** is cut, the compression fitting can be installed
  3. Bring the two parts together, level and straight
  4. Push **MISTING TUBE** [c] in while twisting the compression fitting [d]
  5. The **MISTING TUBE** [e] should enter the fitting [f] at least 10mm
- ⚠ Once tubing is pushed into the barbed fitting it cannot be removed**
- ⚠ Do not push tubing in more than 10mm—this will cover and block the spray outlet**



# Installation (continued)

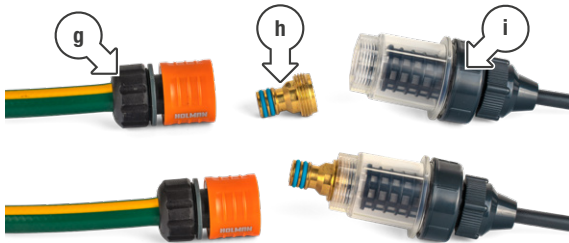
## Installing your Misting System

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1. Start at the garden tap or water source point. If using a **GARDEN HOSE** [g], it is recommended you install a **12mm SPRINKLER ADAPTOR** [h] (sold separately) into **MISTING FILTER** [i] as shown

**⚠** If your **GARDEN HOSE** is running in the sun, ensure it is a good quality hose that can withstand the pressure when the water and hose may get heated

**⚠** It is highly recommended that the **MISTING FILTER** be installed immediately after the connection to the water source



12mm  
**Sprinkler  
Adaptor**  
8010HB

The Quick Release  
snap-on fitting makes  
installing and swapping  
between hose end  
products to your garden  
hose, quick & easy!



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# Installation (continued)

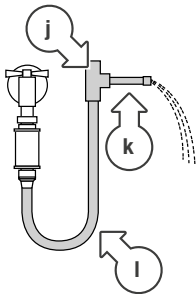
## Installing your Misting System (continued)

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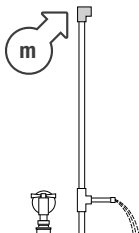
2. Run **MISTING TUBE** [i] to a low position to install **AUTO DRAIN VALVE** [k] using **THREADED TEE CONNECTOR** [j]

**i** Valve automatically releases pressure and “dumps” water in **MISTING TUBE** “above” the level of **AUTO DRAIN VALVE** when water is turned off

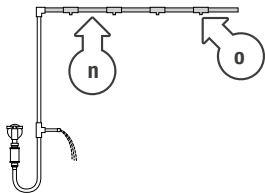
**i** Valve stops **MISTING JETS** from “dripping” and the build up of precipitated salts (like calcium and iron)



3. Use **ELBOW CONNECTOR** [m] to go around corners



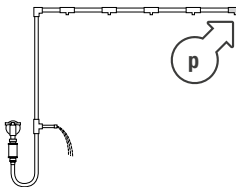
4. Work out the spacing of **MISTING JETS** and cut **MISTING TUBE** [n] to length and install **THREADED TEE CONNECTORS** [o] 600mm–1000mm apart



# Installation (continued)

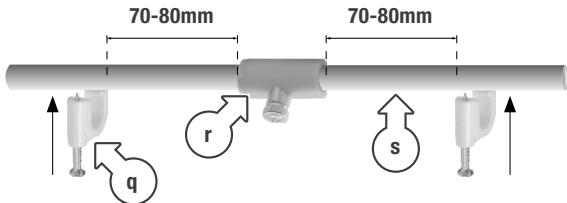
## Installing your Misting System (continued)

5. Finish the line with the **THREADED END CONNECTOR** [p]



6. Position **HOSE CLAMPS** [q]  
70–80mm each side of  
compression fittings to  
attach **MISTING TUBE** [s]  
to wall or beams

**!** Connect each section  
of **MISTING TUBE** before  
pinning to walls or beams



**!** Avoid installing **MISTING TUBE** in direct sunlight as this may cause the tube to go brittle over time

**i** **HOSE CLAMPS** use a strong masonry nail that should not bend when you hammer it into timber or masonry

**i** If hammering into metal, the correct nails will need to be purchased

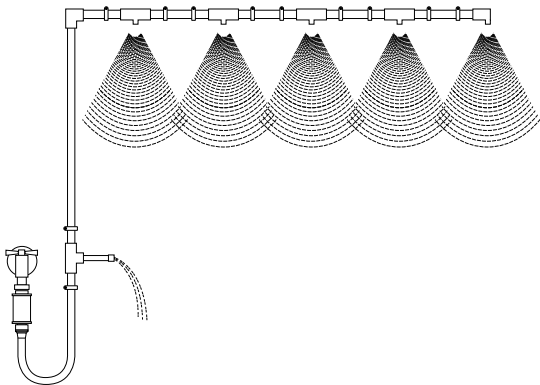
**i** Run pipework along mortar joints in brickwork. Hammer the hose clamps into the brickwork for a reliable result

# Installation (continued)

## Flushing the System

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1. Perhaps the most important part of the installation process is to properly flush the system
2. Remove ALL **MISTING JETS** and connect the water and run for 4 or 5 minutes
- i** This will ensure all dirt and pipe swarf is flushed from the system. If this is not done, **MISTING JETS** will clog and not work
3. After misting system has been flushed, attach **MISTING JETS** to **THREADED TEE CONNECTORS**



# Maintenance

## Drain Water from your System

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- i** When your system is not in use, drain all water from system. If using an **AUTOMATIC DRAINING VALVE**, this will happen automatically
- i** If this is not shutting off while in use, unscrew the valve inside a container and check the internal spring and ball bearing—if these are not moving freely, the valve may need cleaning or replacing

**⚠** **These small parts fall out easily—using a container will prevent the parts being lost**

## Clean Misting Jets

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- i** Periodically clean all **MISTING JETS** by soaking them in a solution of vinegar, or similar calcium and iron remover
- i** If **MISTING JETS** are “dripping” or not “misting” properly, they must be removed and soaked in cleaning solution
- i** If this fails to clean **MISTING JETS**, it is highly recommended to purchase replacement jets and replace as required

## Flush System

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- i** Periodically remove all **MISTING JETS** and flush the system by running water through it for 4 or 5 minutes



# Maintenance (continued)

## Clean Filter

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- i** Periodically clean the **MISTING FILTER** by soaking in a solution of vinegar to remove calcium and iron build up
- i** This cleans solid particles away and dissolves calcium and iron deposits that build up as water evaporates in **MISTING FILTER** and **MISTING JETS**

### Need help? Just ask!

The Holman website has a host of additional information on features. Head to [support.holmanindustries.com.au](https://support.holmanindustries.com.au) for more tips, tricks and support content.

If you still need help, feel free to email our friendly Customer Service team at [support@holmanindustries.com.au](mailto:support@holmanindustries.com.au) or call at **08 9416 9999**.



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# Troubleshooting

Question	Answer
<i>Why is my auto drain valve leaking?</i>	<ul style="list-style-type: none"><li>☑ The line not reaching pressure, ensure there is sufficient supply pressure to run the system efficiently</li></ul>
<i>I cannot remove the MISTING TUBE from the barbed fittings. Can I reuse these fittings?</i>	<ul style="list-style-type: none"><li>☑ We recommend cutting the hose free of the fitting. With a clean cut on the end of the hose, the connection will be better in future</li><li>☑ To remove <b>MISTING TUBE</b> from the fittings, it is possible by soaking the connection in hot water, and wiggling the hose free. This method however is not recommended for a good quality connection</li></ul>
<i>Why am I missing a misting jet? Why do I have an extra 7mm Barbed/4mm BSP Threaded Tee?</i>	<ul style="list-style-type: none"><li>☑ This extra fitting is actually for the 4mm BSP Auto Drain Valve</li><li>☑ Please visit <a href="http://www.holmanindustries.com.au/product/misting-jet-nozzles/">www.holmanindustries.com.au/product/misting-jet-nozzles/</a> for info on where to purchase more <b>MISTING JETS</b> if necessary</li></ul>

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#SMARTGARDENER**



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