

**HOLMAN**

# Charcoal Colour Misting Kit 10 Metres



PRODUCT CODE

**MK21010**

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

## User Guide



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Please read these instructions in full before proceeding with setup.

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# Overview

## Features

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

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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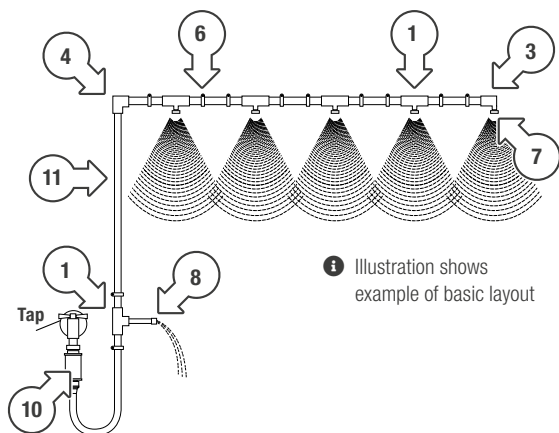




# Overview (continued)

## Plan your Misting Installation

- 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



- i** Illustration shows example of basic layout



# Installation

## Understand your Water Supply

**⚠ 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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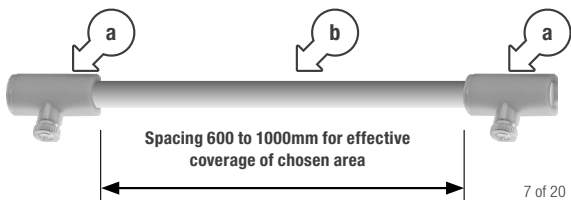




# Installation (continued)

## How to Position Misting Jets

- ⚠ **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

- ✓ 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

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

**⚠ 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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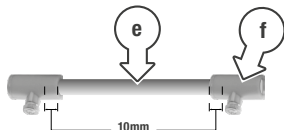
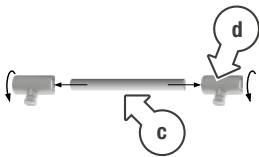




# Installation (continued)

## 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**





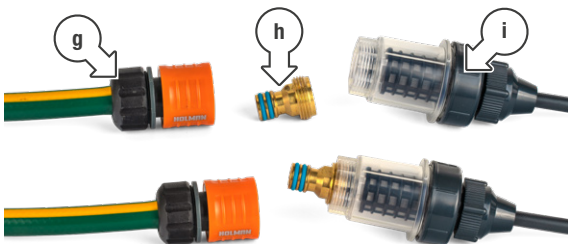
# Installation (continued)

## Installing your Misting System

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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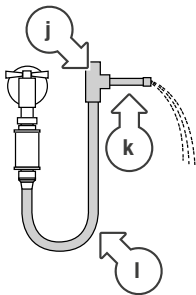
# Installation (continued)

## Installing your Misting System (continued)

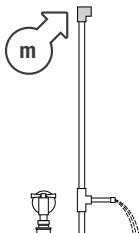
2. Run **MISTING TUBE** [j] to a low position to install **AUTO DRAIN VALVE** [k] using **THREADED TEE CONNECTOR** [i]

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

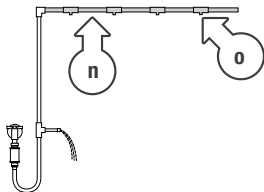
**i** Valve stops **MISTING JETS** from “dripping” and the build up of precipitated salts (like calcium and iron)



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

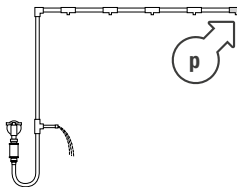




# Installation (continued)

## Installing your Misting System (continued)

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



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

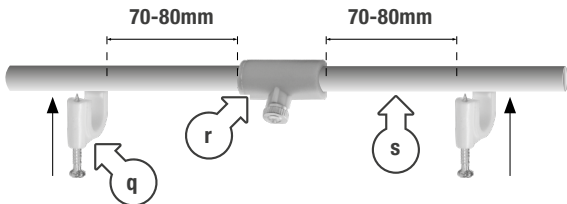
**i HOSE CLAMPS** use a strong masonry nail that should not bend when you hammer it into timber or masonry

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**

**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



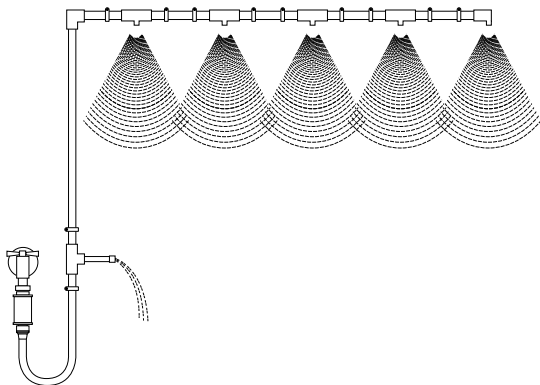


# Installation (continued)

## 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
  - ⓘ 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>



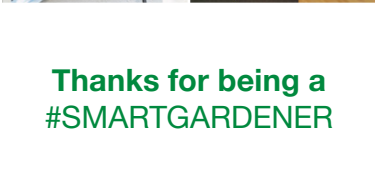
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would like to say thank you for choosing us.**

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