



SOLAR  
POWERED



WATERS  
EVERY 3 HRS



MORE SUN =  
MORE WATER



USE WITH A  
WATERBUTT

# Solar Automatic Watering System

25 Metres Micro-Porous Hose  
Instructions for use

Product code: IRR-MPH25



# Instructions for use

## Tools

Scissors  
Round pen  
Small amount  
of soapy water

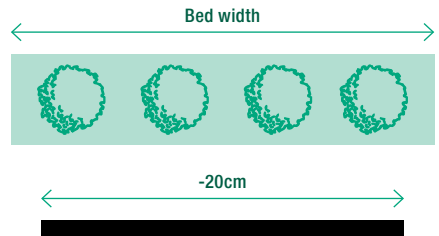
## Kit parts, to make 2 lengths of MPH with a connector and a stopper

6 stakes (*not used here*)  
4 x 3cm lengths  
silicon tube  
4 cable ties  
2 stoppers  
2 barb connectors



## Method

Measure bed width, cut micro-porous hose about 20cm shorter.



- 1 Grip the micro-porous hose between thumb and forefinger at 5 and 10cm from the end and pull together to expose the inner plastic core. Take great care not to crease the end 5cm of white tube.
- 2 Cut 5cm from the black plastic revealed by above and pull micro-porous hose straight again.
- 3 Ease pen into white tube to open it up.
- 4 Insert a piece of silicon tube and tap the end of it until it is in and flush with the end of the white tube.
- 5 Dip stopper or barb into soapy water and push it into the silicon, about 1.5 cm.
- 6 Make a loop in a cable tie, slip it onto the end and pull tight, 5 – 10 mm from cut end.
- 7 After the connections are fitted, soak the micro-porous hose for 12 hours in diluted washing up liquid.
- 8 Connect in with your irrigation system.



## Irrigatia Micro-Porous Hose is made of 3 components:

1. An inner core which provides a channel for water flow even if the hose is buried or kinked.
2. A protective outer layer
3. A Micro-Porous membrane which controls water emission. The pores are so small that water will not pass through unless there is some back pressure. This means that the whole Micro-Porous Hose fills before water is emitted and that it is then evenly emitted along the whole length.

## Irrigation layout

Micro-Porous Hose will water 8m<sup>2</sup> at full rate when attached to a SOL-C24 or half rate with a SOL-C12. It will water a strip approx 33cm wide (depending on soil type) and can be used:

- In one continuous length or a number of shorter lengths. SOL-C12 up to 12m – SOL-C24 up to 24m. Single runs are ideal for rows, whilst multiple rows (or zigzag pattern) are ideal for beds.
- On the surface or covered with mulch.
- Curved or straight.

*Micro-Porous Hose works better if it is always full of water. For this reason it is better when laid lower than the water source and when the anti-siphon is not installed.*

## When laying Micro-Porous Hose care should be taken to:

- Lay it as level as possible, following contours if necessary. Where there are height differences up to 2m, a dripper can be used to regulate flow to lengths at different levels. 1 dripper supplies up to 2m of hose, a dripper at each end up to 4m. Max of 12 drippers if height differences are no more than 2m or 18 drippers if no more than 1m.
- Use plastic stakes provided to fix in place.
- Care should be taken not to damage the Micro-Porous Hose during cultivations. Scrape away any mulch covering before cultivation if necessary.

*The Micro-Porous Hose can be left in position over winter.*

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