



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

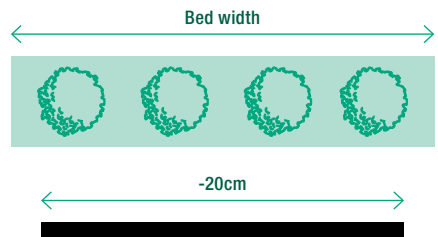
Kit parts, to make 2 lengths of MPH with a connector and a stopper

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 8m² 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.

irrigatia.com

Irrigatia Limited, Norwoods, Long Drax, Selby, YO8 8NH, UK.
Tel: +44 (0) 333 301 0415

Irrigatia B.V., Damzigt 58, 3454 PS De Meern, Netherlands

