Green Roof Irrigation System - Installation guide

This is your step-by-step guide to unpacking, assembling and installing your Wallbarn product.

1 Unpacking
Lay out all of the components and familiarize yourself with all of the parts.

2 Supply
To reach a ground level water supply from a rooftop we recommend you run your 16mm piping down some existing vertical guttering. Check your water pressure: it needs to be at least 1 bar.

3 Laying your pipe
Lay piping at the same time as you are laying your trays. Line up your 16mm piping flat on the ground, laying it in between the trays.

4 Positioning your risers
180° risers will produce a 3m spray arc on a standard 2 bar pressure tap. Position the risers, so that the jets overlap ensuring all of the green roof gets adequate water.

5 Pierce piping
Use the yellow barbed key to puncture your 16mm pipe ensuring your holes are no more than 3m apart so their sprays overlap.

6 Attach jet to riser
Insert the vertical rigid riser into the hole you have created in the pipe, then screw clockwise. Point the jets away from walls and upstand.

7 Attach riser
Select the appropriate Vari-jet nozzle for your tray layout (360° or 180° if up against a wall) and attach to the top of your riser. A 90° jet is also available.

8 Pipe joiners
3 x types of joiner are supplied to allow you to extend/change the direction of irrigation:
1. Straight
2. Elbow (right angle)
3. T-junction

Please refer to the M-Tray® Maintenance Guidelines for Ongoing Care Plan
9 Plumbing
Connect to your water source: insert your 16mm pipe directly into your tap connection (filter optional).

10 Filter system (optional)
We recommend a filter system, to be fitted between the tap and your piping, in order to prevent the jets clogging with grit or hard water.

11 Terminate your system
Insert the straight-ended stopper into the piping to terminate the system.

Optional Clips
Clips can be used on the outside of the piping to fix it to something else e.g. a stopper or other connection joint. It works a bit like a jubilee clip.

Spray pattern 360° jet
See above for spray pattern of the 360° jet.

Spray pattern 180° jet
See above for spray pattern of the 180° jet.

Spray pattern 90° jet
See above for spray pattern of the 90° jet.

Optional Timer & Fertiliser
1. Order a timer to allow you to water your green roof at set times while you are away.
2. Order a fertigation kit to feed the sedum with fertilizer over a given period of time.

Watch a How To video on installing your irrigation system at www.wallbarn.com/HowTo/Irrigation