



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.



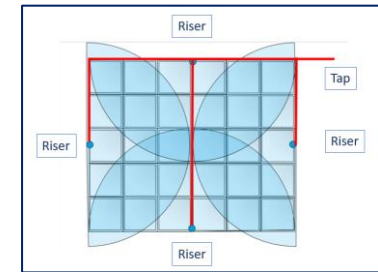
2 Supply

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 1bar.



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



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.