

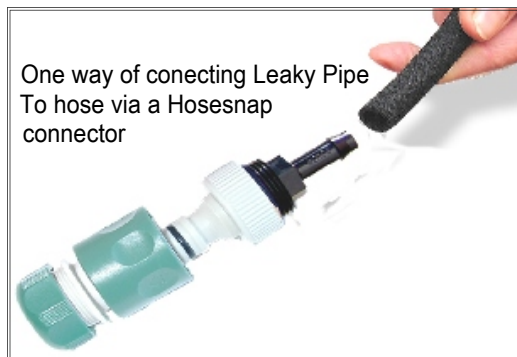
# LEAKY PIPE

Watering Landscapes Economically  
01622 746495  
Sales@leakypipe.co.uk



*Simple, DIY solutions to garden and landscape watering with porous rubber hoses.*

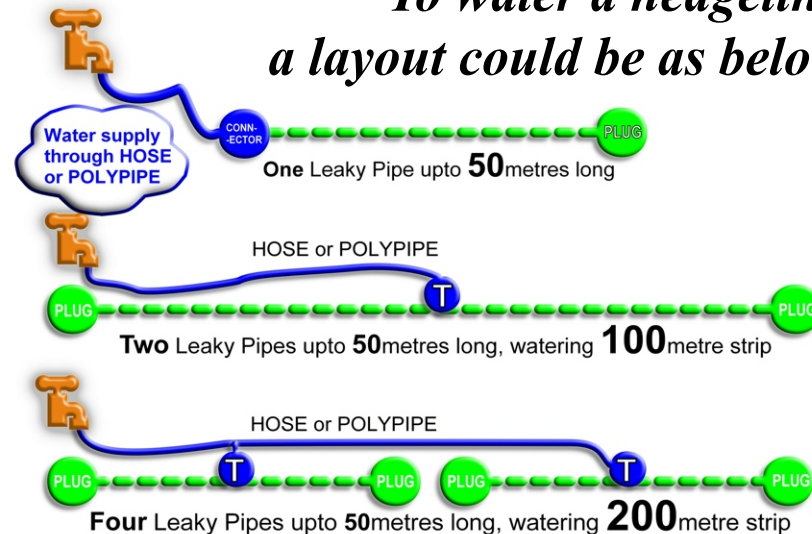
**I**magine being able to water the expensive plants in your garden with no more fuss than turning the water on! Imagine watering the plants accurately without interrupting the use of your garden. Imagine keeping your garden vistas green and colourful while being economical with water. Well, with a little time, some simple D.I.Y. and Leaky Pipe® materials, you can quickly achieve this.



**F**irstly decide what you wish to water in the garden. If it is a hedge, it can be as simple as connecting Leaky Pipe to a hosepipe via a Hosesnap connector that we are all familiar with.

**O**ne or more Leaky Pipe porous hoses are laid where the water is to be placed. It is very flexible so you can either lay it in a straight line or “snake” it around to pass close to the roots of your shrubs, trees and other plants. Spacing in borders should be about 60cm-90cm(2-3feet) apart - it’s not an exact science.

*To water a hedgeline, a layout could be as below.*



**A**ny Leaky Pipe can work upto 50metres in length, from the barbed connection, (see diagrams). After that, it will run out of water! But this is not a limit on the amount of Leaky Pipe that you can work at one time. This limit is dependant on the strength of the water source and how you plumb it around any garden.

**A**s a guide, a water source similar to that of a typical garden hosepipe is usually capable of running 250metres of Leaky Pipe at one time. This total amount can be cut up, placed around the borders and interconnected with either hose or polypipe. We hope we are about to show you how you could easily be watering the whole garden in one go.





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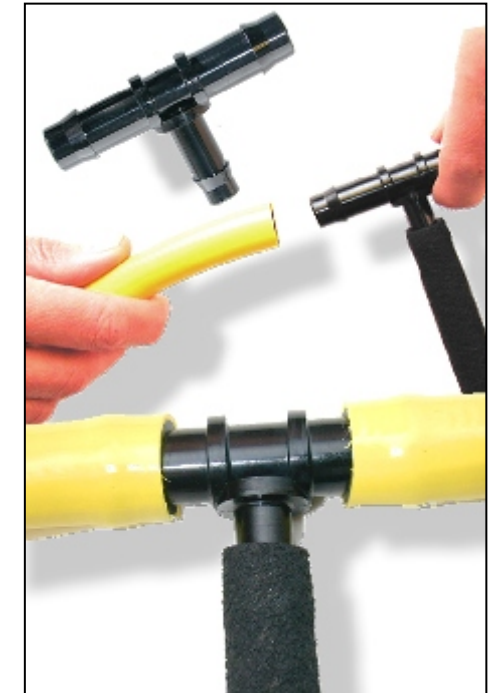
Every Leaky Pipe® lateral needs to be sealed off. This can be done easily by inserting a 12mm barbed plug. Barbed fittings are designed to grip on the inside of pipe and don't need a reinforcing clip to keep them connected with the pressure Leaky Pipe needs to work.



Leaky Pipe laterals can be extended or repaired with a 12-12 connector so if you want to adapt your design in the future you don't lose any pipe. So you can't go too far wrong!



Special equipment required? - A pair of secateurs, some hose, (or polytube), some Leaky Pipe®, barbed fittings and you! A complete range of straight, tee and elbow fittings are available to allow you to plumb your system to suit your application. Remember that Leaky Pipe® fits a 12size barb. Normal garden hose, and 16mm polytube fits 16mm size barbed fitting. Both equal and reducing size fittings are available. (See list at the back of this guide).



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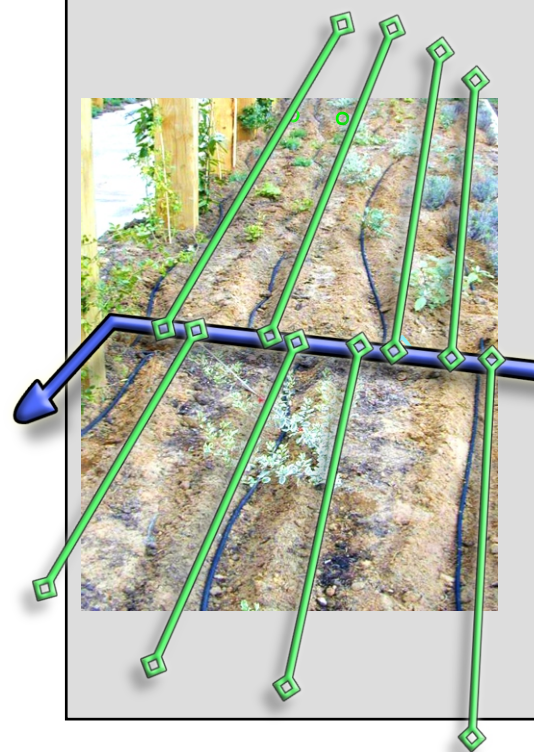


You can use Leaky Pipe on the surface where you can see it working, however, this is not so efficient as the top surface of the pipe tends to dry off with repeated on/off watering cycles. To improve efficiency and economic use of water, we recommend that Leaky Pipes are either buried in the soil or laid on the soil, covered with a mulch. Contact around the pipe helps the movement of the irrigation water away from the porous hose by capillary action. The mulch can be organic or inorganic and will help conserve moisture and reduce weed seed germination. If you ever need to lift the Leaky Pipe, you can simply peel it up through an organic mulch. Of course, you can do the same in soil if it is not too deep and you water for a few hours before pulling it up).



Leaky Pipe laid on the soil then covered with an inorganic mulch with bark mulch topping.

A "belt-and-braces" method.



N.B. The blue line represents polytubes. Green lines show where the Leaky Pipes have been hoed into shallow "v"-shaped drills.

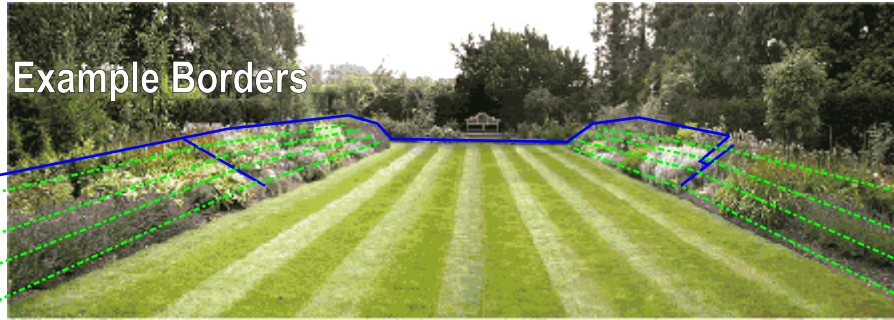


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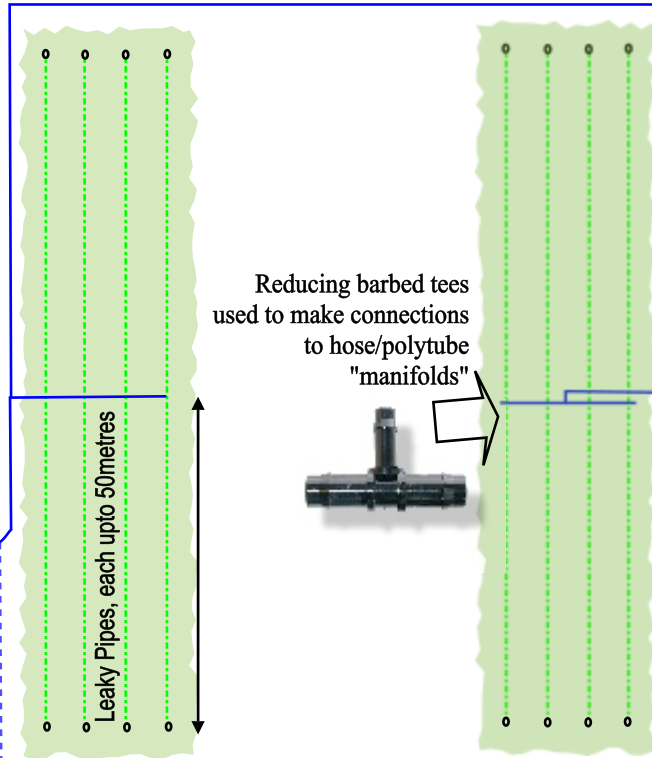
Example Borders



A battery-powered timer connected to a tap.



Hose or Polytube



Reducing barbed tees used to make connections to hose/polytube "manifolds"



Option. Create a "ring" main for better water flow.

Option. Extend the main onto other planting. Trees, hedges, planters, vegetable garden..

## Design?

**J**ust look at some of the illustrations here where the blue lines represent a non-porous pipe that is going to do the water carrying while the green dotted lines are the rough positions of the Leaky Pipe. (Yes, the Leaky Pipe is really being used in these photos!)

**I**f you are looking to water a larger area and you want to get away from dragging hosepipe around, you need to start thinking about how to move the water from the source, (a tap, pump, well) around the garden to connect up the Leaky Pipes. The answer is to plan a way of carrying the water in a non-porous pipe that could be put in a permanent position.

**T**his "main" could be run either on the surface or slipped beneath the soil or perhaps clipped to a fence. Consider running this pipe around the perimeter of your garden, teeing off at each border or island bed. *If it is possible*, try to lay the polytube to complete a circular "ring" main. It will help the water move efficiently and help evenness of watering.

**T**he Leaky Pipe laterals can then be connected to the polytube with the tees and connectors you see here. Yes, it does take some planning and some work, but the investment is worth it when you can water the whole area with no more effort than turning the water on!



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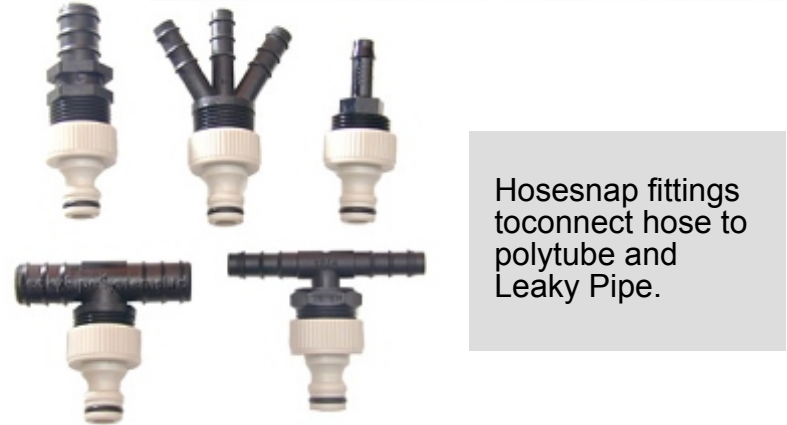


**T**iming devices are a good addition to turn the watering on and off for you. As a general guide, watering duration for typical situations would be in the region of 30minutes per day during the growing season. It should not be watering constantly. Adapt this figure with your own experience. Timers are battery-powered and uncomplicated. They simply “do-up” onto taps, before the hose is attached. They are a great way of giving you predictable watering, improving the water efficiency of your system.

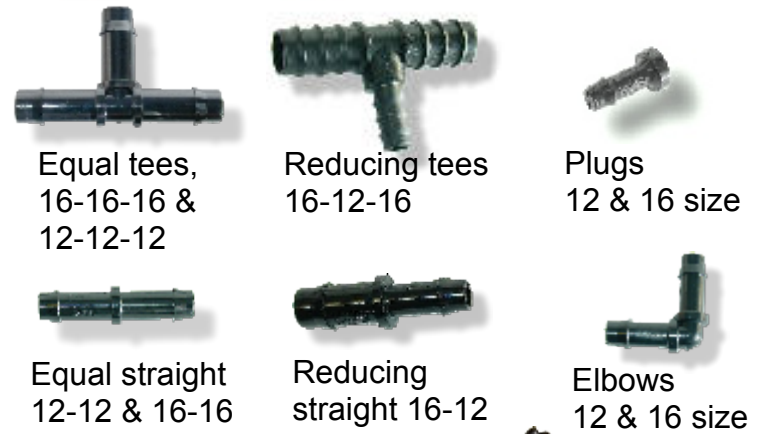
**P**ressure? Don't get too worried about water pressure. Leaky Pipe needs only 1-2Bar, which is not a lot, but it is more than your water butt, unless it happens to be more than 10metres above the Leaky! If you use too much pressure, the Leaky Pipe will start to sprinkle fine jets of water. This is not ideal as it encourages uneven watering.

**F**or systems using 50-10metres of Leaky, you may have to throttle your water supply at the tap to discourage over-pressurising the pipe. With 100metres and above of Leaky Pipe® it may be worth investing in a water filter/pressure regulator unit. But they are not necessary to have, just useful to know exist if you find that high pressure or water cleanliness is an issue. This unit connects into the hose via typical snap fittings.

**L**eaky Pipe® is not a new idea, we have been helping the Landscape industry with this technology for over 25 years. So why not spoil yourself and invest in one of our packs to try. We think you will be impressed enough to buy some more and extend your watering system!



Hosesnap fittings to connect hose to polytube and Leaky Pipe.



Equal tees, 16-16-16 & 12-12-12  
Reducing tees 16-12-16  
Plugs 12 & 16 size  
Equal straight 12-12 & 16-16  
Reducing straight 16-12  
Elbows 12 & 16 size



Leaky Pipe Porous hose



Polytube Or Hose



Timers For Connection To taps



Optional Filter & pressure regulator

See [www.leakypipe.co.uk/acatalog/](http://www.leakypipe.co.uk/acatalog/)