














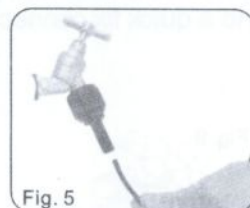
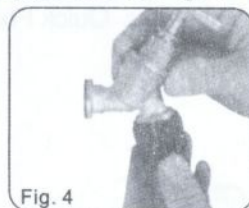
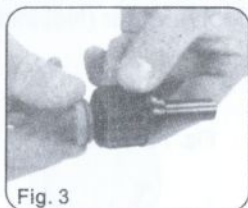
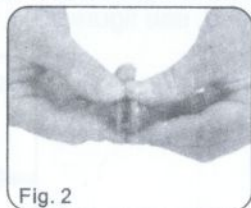
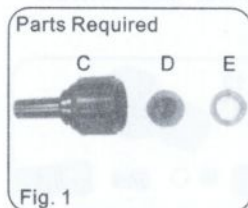
Micro Irrigation System Instruction Manual

Before installing your micro irrigation system please take time to check that you have all the parts listed below.

A End Dripper  x10	B Inline Dripper  x10	C $\frac{3}{4}$ " BSP Outside Tap Adaptor  x1	D Flow Control Valve  x1
E Filter Washer  x1	F Straight Connector  x2	G Tee Connector  x15	H End Clamp  x5
I Support Stake  x15	J Pipe Clip  x10	K 23M (75') Vinyl Pipe  x1	

How To Connect The Hose To The Outside Tap

1. Push together the flow control valve (D) and the filter washer (E). See Fig. 2
2. Put washer and valve assembly in to the outside tap adaptor (C) ensuring the wire mesh is facing up. See Fig. 3.
3. Screw the tap adaptor on to the outside tap. If leaks occur then by hand tighten the fitting, if this does not alleviate the problem use PTFE Plumber's Thread Tape. Do not use pliers to tighten the fitting as this may damage the fitting. See Fig. 4
4. Push the vinyl pipe into the tube at the end of the tap adaptor. See Fig. 5



How To Attach A Fitting To The Hose

1. All the fittings in this set simply push on to the vinyl pipe. To assist this procedure we suggest you use a cup of hot water to soften the end of the pipe before attempting to push a fitting on to the pipe. This is especially useful on cold days. When using a cup of hot water be careful not to scold yourself when dipping the pipe into the water. See Fig. 6
2. Once the pipe has warmed up simply push the fitting onto the end of the pipe. See Fig. 7
3. To ensure the fitting does not blow off under water pressure make sure the pipe is fully pushed on to the fitting. See Fig. 8
4. To use the end clamp simply fold over the end of the pipe and push it into the end clamp.

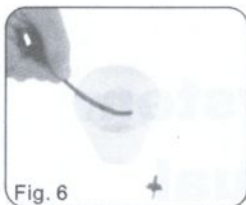


Fig. 6

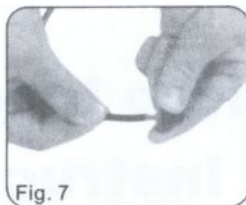


Fig. 7

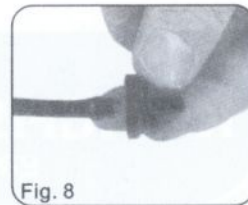


Fig. 8

Installation Guidance

Ground Work

First decide the path the main supply pipe will take. The length of the main supply pipe should be no longer than 15m (50') in total length. Also make the path flow down hill after the first dripper, the first dripper should always be the highest. When cutting the pipe use scissors.

Always conceal the pipe as best as possible to avoid the danger of tripping. Also where possible nail the pipe out of the way using the pipe clips.

Pots

When installing in to plant pots use two or more drippers for pots over 20cm (8") in diameter (See Fig. 10). If you are going to install an irrigation point on a pot which has not been planted yet you can branch off the feed pipe using a tee piece and feed the branched off pipe through the bottom of the pot and through the soil to conceal the pipe (See Fig. 9). When using this method ensure the pipe is not kinked or restricted by the bottom of the pot.

Troughs

Use the inline drippers every 30cm (12") in troughs and window boxes (See Fig. 11). As with the pots you can feed the water pipe through the bottom of the planter and up through the soil, this method is best used when planting a new trough.

Hanging Baskets

When installing on hanging baskets the height of the basket above the ground must not exceed 3m (10') otherwise the water pressure would be insufficient. You can either hang a dripper over the basket or fasten the dripper to the basket using a support stake. On larger baskets use more than one dripper (See Fig. 12).

Flow Control

Once you have installed the irrigation system, it is time to adjust the water flow. You need to turn on the tap enough to get a constant drip. If you get leaks from the connectors it is because the pressure is too high, so turn down the tap. If the end drippers are a lot slower then the first drippers check to see that the pipe is not running uphill from the first drippers. It is normal to get slight variations in flow between the drippers due to the pressure lowering as more drippers are reached.

Connecting To A Hose

If you want to connect the system to a hose there are two options. One is to permanently connect the system to a hose using a Standard accessory adapter (Not included, see figure 14). The other is to convert it to a quick fix connection using a Quick Fix Tool Adapter (Not included, see figure 13).

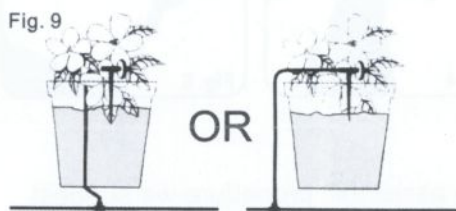


Fig. 9

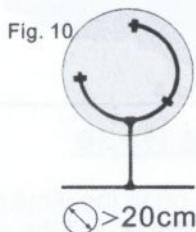


Fig. 10

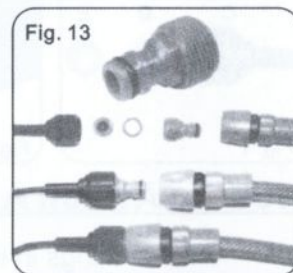


Fig. 13

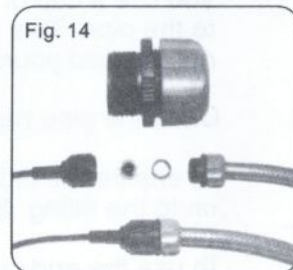


Fig. 14

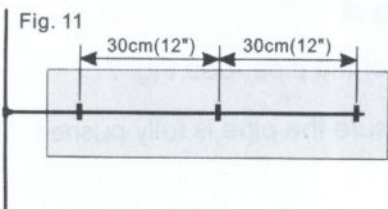


Fig. 11

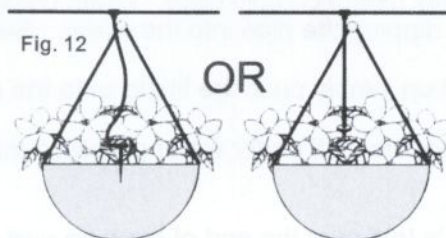


Fig. 12