



The Outside, Inside

TRIPLE LINE OVERHEAD IRRIGATION ASSEMBLY GUIDE

Thank you for purchasing a Premier Polytunnels' Irrigation Kit.

Please take the time to carefully read through this Assembly Guide before you head out into your garden and begin building your overhead irrigation system.

The following is a Guide to the successful assembly of your overhead irrigation system. Please use the Checklist supplied with your order, together with this Guide, to help you identify the different parts of your irrigation kit.

If you are unsure or confused about any aspect of assembly, please feel free to contact us via e-mail at info@premierpolytunnels.co.uk or by telephone on 01282 811250.

Premier Polytunnels are proud to be the **ONLY** polytunnel supplier to offer an out of hours Construction Advice Service, available until 9pm, 7 days a week.

TOOLS REQUIRED: Sharp Knife

*****WARNING: PRODUCTS MAY CONTAIN SHARP EDGES.
ALWAYS WEAR GLOVES.*****

FOR POLYTUNNELS GREATER THAN 24FT WIDE

The following picture shows some of the fittings/parts supplied and used in this irrigation system.



“MEASURE TWICE, CUT ONCE!”

20mm LDPE pipe is used throughout the system as a method of water delivery – Barbed fittings which are inserted into this pipe are a tight fit to prevent the joint from leaking or coming apart.

*****PLEASE NOTE: When inserting barbed fittings into the pipe, heat the pipe in hot water for several seconds before fitting the barb – This will greatly assist assembly (See Fig1).*****



Fig1

Cut three lengths of 20mm pipe 4ft shorter than the length of the polytunnel. Insert an “Elbow” into one end of each of the three cut pipes and a “Plug” into the opposite end. Cable tie these pipes up to the three ridges (a cable tie should be placed at every hoop and the centre of each bay) with the Elbows at the end of the polytunnel at which the water supply will enter.

Cut a length of pipe to run up from waist height on one of the inner door posts up to the door frame lintel. Insert a “Tee” into one end of this length of pipe and the “Tap Connector” into the opposite end. This length of pipe can then be fixed to the inner door post using three “Pipe Clips”.

Screw the “Click Fitting” into the Tap Connector (**Fig2**).

If you have purchased a ‘*Premier Irrigation Kit*’, a “Pressure Regulator” will be supplied and this can be inserted between the Tap Connector and the Click Fitting (**Fig3**).



Fig2



Fig3

****A diagram can be found on Page5 – Use this diagram to aid in the next stages of the assembly.****

Cut a length of pipe to go from the pipe attached to the inner door post to the centre of the lintel. Insert a Tee into one end of this pipe and connect the other end to the Tee at the top of the inner door post.

Cut a length of pipe to run from the centre of the lintel up to the centre ridge. Cut a 6-inch length off this pipe and insert an “Inline Valve” between the short and long pieces. The reassembled length of pipe is then connected between the Elbow at the end of the ridge and the leg of the Tee in the centre of the lintel.

Cut the remaining pipe into two pieces to run from the Tees on the lintel out to the side ridges. Cut a 6-inch length off each of these two pieces and insert an Inline Valve between the short and long pieces. The two reassembled pieces should then be connected between the Tees on the lintel and the Elbows at the end of the side ridges.

Using the remaining Pipe Clips, attach the irrigation line to the lintel, keeping the Pipe Clips evenly spaced across the length.

The final job is to insert the “Sprinkler Assemblies” into the three irrigation lines. This is done by making a hole in the underside of the lines using the “3-inch Nail” supplied (or using the “Hole Punch” supplied with our ***Premier Irrigation Kit***) and pushing in the Sprinkler Assembly (**Fig4 and Fig5**) – A tip to make inserting the Sprinkler Assemblies easier is to hold the white microweight section and use this to push them in place.



Fig4



Fig5

A Sprinkler Assembly should be placed as close to if not directly under each of the intermediate hoops. (**Fig6**).

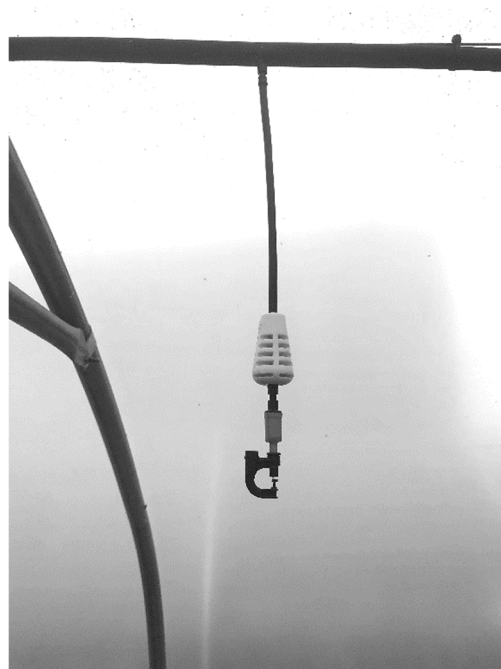


Fig6

If you have purchased our **'Premier Irrigation Kit'** you will have been supplied with a Galcon battery operated "Tap Timer". This Tap Timer connects directly to your water tap and is supplied with manufacturer instructions (**Fig7**).



Fig7

Depending on various circumstances it may only be possible or necessary to use one or two irrigation lines at a time – Use the Inline Valves to control the supply to suit your needs.

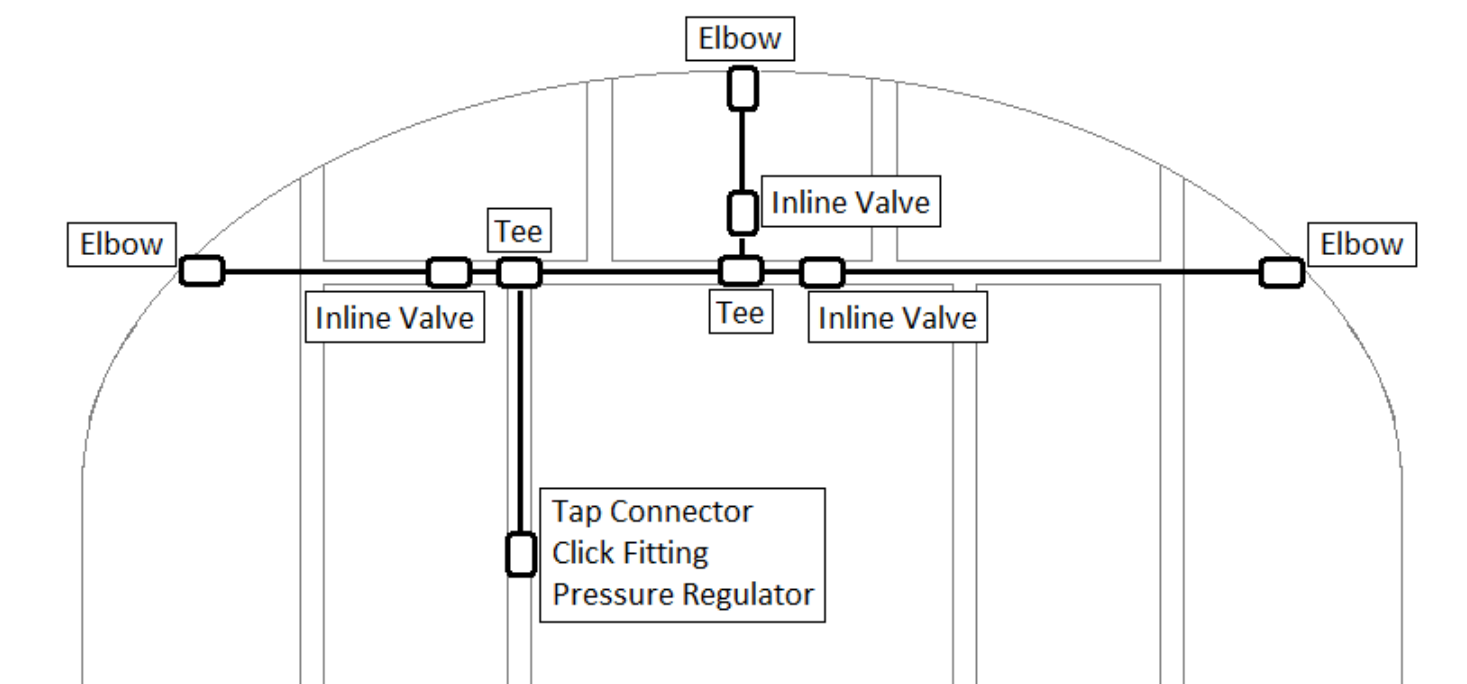


Diagram showing the position of all the fittings around the door frame.

**Now all that's left to do is connect your hose
and retire the watering can!**