



Blumat®

Instructions Guide

DOUBLE MANIFOLD KIT INSTRUCTIONS

Water your garden thoroughly, ideally over-night, or at least a few hours before install.

Conditioning Trof Blumats

- Fill a container with water. For best results use cooled non-aerated water (boil & cool first or use bottled water).
- Unscrew tops and soak both parts for at least 15 minutes each.
- While still underwater, use a pipette, eye dropper, or your thumb to squirt water into one of the holes on the inside of top, forcing air bubbles out.
- Keeping under water, screw the tops back on the carrots.
- Soak for at least 15 minutes more. Blumats can stay in water indefinitely, but you should monitor for algae growth.



Build the headers

One foot of BluSoak will water one square foot of growing area.

- Line the 8mm tubing across the shorter side of your bed, making sure it is a foot shorter than the width of the bed. Cut the tubing.
- Each row of BluSoak should be spaced equally. The number of rows of BluSoak in your kit dictates how many cuts you will make.

Number of Rows of BluSoak - 2 = Number of cuts you will make

For example: A 4' wide manifold will have four rows of BluSoak, $4 \text{ rows} - 2 = 2 \text{ cuts}$. So you will cut the tubing twice to create three equal segments.

- Attach two 8mmx8mm elbows (one on each end of the tubing), and attach an 8mmx8mm tee to each cut that you made.

- Make one more cut in the middle of the header (if you have an odd number of rows, make the cut off-center). Insert an 8mmx3mm tee. This is where you will eventually attach your Blumat.



- Cut a 1-1.5" length of 8mm tubing for each 8mmx8mm elbow/tee, and attach them.

- You now have your header. Replicate the header you just made to use on the other end of the manifold. If you are installing multiple manifold kits, make all the headers now.



Scan for manifold video



Blumat Installation video



Trouble-shooting video

Installing BluSoak

Each header will be approximately 6", as a result each BluSoak length should be 1 foot shorter than the longer dimension of your growing area. i.e. a 4x8 Manifold kit has four 7' lengths of BluSoak.

1. Cut BluSoak in equal lengths and lay along your growing area and attach an 8mm x BluSoak fitting on both ends of each length of BluSoak (see diagram).

2. Attach the 8mm x BluSoak fittings (now securely attached to BluSoak) to each 1 inch piece of 8mm tubing coming off of the header you built.



Scan for video instructions

Installing Blumats

1. Attach 8mm supply tubing to

your water source (*extra tubing is not included in the kit*), and make sure you are using a 15 psi pressure reducer (*not included*) if you are going off a hose bibb or pump.

2. Run the 8mm tubing from your water source along the long side edge of your bed, and insert an 8mm shut-off valve at the end (*not included*). If you are linking multiple manifold kits together using the same line of 8mm tubing, make sure the last kit is capped with an 8mm shut-off valve.

3. Cut the 8mm supply tubing as it runs by each header, and insert an 8mm x 3mm Tee (*this tee should arrive connected to your Blumat*).

4. Install a conditioned Tropf Blumat near the 8mmx3mm tee on your header, you can place it either inside or outside of your header.

5. Attach a length of 3mm tubing (you will need more than what comes attached to your Blumat) to the 8mmx3mm tee on the header and run it through the top of your Blumat, then insert the other end into the 8mmwx3mm tee on the water line.

6. If your Blumat is not within 3 inches of a piece of BluSoak, **you will need to install distribution drippers**. Cut the 3mm tubing 3 inches away from each Blumat and insert the dripper.

Dialing in Blumats

1. Close the cap of the Blumat completely and ensure the shut-off valves are closed. Turn on the water supply. Flush air out of the system by opening the shut-off valves and letting them run until the water is a steady stream without bubbles. Close the valve when you are finished flushing.

2. Disconnect the 3mm tubing from the 8mmx3mm tee or distribution dripper. Open the adjustment knob by turning it counter-clockwise. Water should start running out of the tube.

3. Slowly close the adjustment knob, leaving just one drop of water hanging on the drip tube. Once you have a "hanging drip" dial back the knob up to two additional triangles clockwise. Reconnect the 3mm tubing to the 8mmx3mm tee or distribution dripper.

