

Set-Up of the Tropf-Blumat System

Step by Step

1 Fill sensor

Unscrew green watering head and fill the ceramic sensor to the brim with water.

If possible, first soak the sensor a few minutes in water.



2 Closing sensor

Screw watering head back on to the sensor firmly (to ring) but not too tightly (take care not to strip screw). The sensor must be closed enough so that it is airtight. The sensor can also be closed under water (however, see "Control")

3 Soaking sensor

The Tropf-Blumat sensor, filled with water and closed firmly, should then be soaked for at least 1 hour. This allows the ceramic material time to absorb water fully and reduce the pressure built up during the process of sealing.

4 Inserting sensors

Stop! First water the soil thoroughly several times! Optimally, the watering should be done about every 10 minutes, 2-3 times with a watering can so that the soil is somewhat too wet. The sensors should not be inserted into dry or semi-dry soil! The Tropf-Blumat sensors should be placed about 20-25 cm apart in the earth near the roots. The upper edge of the porous ceramic cone should be about 1 cm under the surface of the soil. It is important that the cone have good contact with the surrounding soil.



5 Connecting sensors

The water supply tube has to be cut with scissors at the points where sensors have been inserted, the T-connecting pieces are then inserted. It is also possible to cut pieces of tubing ahead which can then be used to connect the individual Tropf-Blumat sensors. The T-pieces should sit tightly, however, the tube should not be stretched during insertion. The easiest method of insertion is by simply premoistening the T-piece. **Lubricants such as soap or fat should not be used.** The T-piece should be positioned correctly as needed, repositioning later is not possible.

6 Adjusting sensors

The system should first be completely set-up before any adjusting on sensors is done (see "Adjusting Correctly")



7 Connecting distributor drippers - if desired

Cut 25-30 cm long pieces from the drip tubing and connect to the spout of the distributor dripper. The dripper with only one spout should be used at the end of the dripper row. The row of drippers is then connected to the tubing of the Tropf-Blumat sensors and laid, as desired, around the plant roots. When using distributor drippers, the sensors must be adjusted together with the distributor drippers (see "Adjusting Correctly").

Important- follow instructions closely and work carefully!