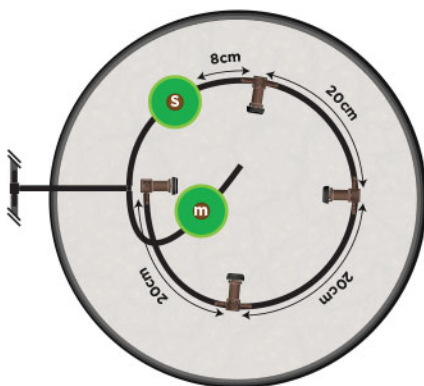


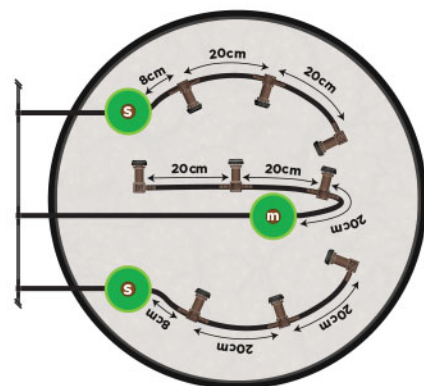
Blumat Drip Pot Kit 10-25L

- 1 X Tropf Blumat
- 1 X Blumat End Distribution Dripper
- 2 X Blumat Inline Distribution Dripper



Blumat Drip Pot Kit 30-70L

- 1 X Tropf Blumat
- 1 X Tropf Blumat Maxi
- 1 X Blumat End Distribution Dripper
- 3 X Blumat Inline Distribution Dripper



Blumat Drip Pot Kit 250L

- 2 X Tropf Blumat
- 1 X Tropf Blumat Maxi
- 3 X Blumat End Distribution Dripper
- 6 X Blumat Inline Distribution Dripper

Blumat[®] COMPONENTS



**TROPF BLUMAT
SENSOR**



**TROPF BLUMAT
MAXI SENSOR**



**BLUMAT END
DISTRIBUTION DRIPPER**



**BLUMAT INLINE
DISTRIBUTION DRIPPER**



**3MM DRIP
TUBE**



**DRIPPER
SUPPORT STAKE**

PREPARE YOUR SOIL

...by getting it to the optimum moisture level.

Apply water in small amounts with a watering can and a fine distribution rose until your desired moisture level is reached. We suggest using the [Blumat Digital Moisture Meter](#) to get your soil into the optimum range, 100-150 millibar is a good starting point for organic living soil.



ORGANIC LIVING SOIL **100-150**
IDEAL STARTING MOISTURE: **millibar**

If you do not have a [Blumat Digital Moisture Meter](#) and are unsure what the optimum moisture level is for your soil, you can slowly water the soil until a small amount of run-off is achieved. This will get the soil to full saturation. **Ecothrive** and **Indoor Organics Eco-Life Soil** is often at optimum moisture content fresh out the box, requiring no watering initially!

SOAKING THE SENSORS

...soaking the Troph Blumat Sensors.

Unscrew the green cap on the sensor and completely submerge the tube and cap in water. If time allows, use water that has been boiled and left to cool. This process drives oxygen out of the water so no air bubbles will form inside the tube.



IMPORTANT: SOAKING PREVENTS AIR BUBBLES IN THE TUBE

Allow the tube and cap to soak for a minimum of 15 minutes. After soaking, using a pipette or syringe, squirt water into the 3 holes under the cap while underwater, this pushes air out of the cap. Now you can screw the cap onto the tube while underwater, so they are completely full of water with no air. Once you have secured the cap and are confident there is no remaining air in the sensor, leave it underwater for a further 15 minutes.

INSERT THE SENSORS

Insert the **Blumat Sensors** into the soil, pushing the sensor firmly down. If using a sensor without any drippers attached, ensure the drip tube is not touching the soil. If using multiple sensors, leave **at least 20cm between them** when in their final position.



INSERT
BLUMAT
SENSORS

PUSH
DOWN

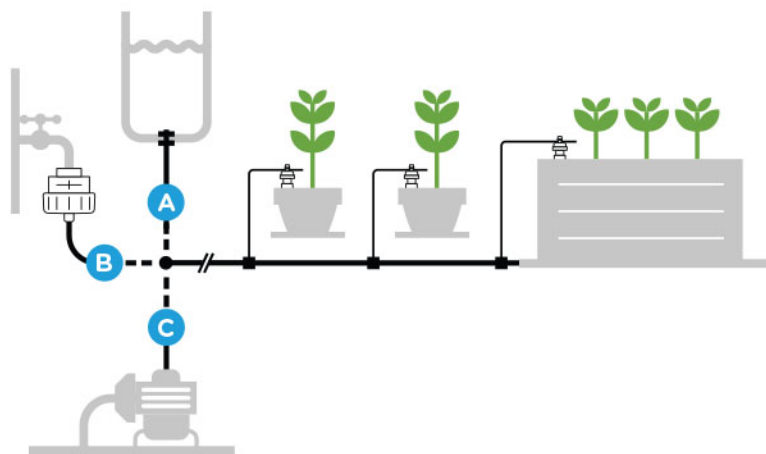


If using pots, insert the small **Blumat Sensor** off to the side. If using the **Maxi Sensors**, position them closer to the centre.

Position the **Blumat Sensors** and any distribution drippers according to the diagram on the **FRONT COVER**.

WATER CONNECTION

Connect your **Blumat Sensors** to the water supply line making sure to not get any tiny soil particles in the line. Contaminants are the biggest issue facing **Blumats**, keeping your irrigation lines clear and only using water to irrigate will ensure the longest life and most efficient watering. Make sure all lines are securely fitted.



A

TANK: Supplying water with a gravity fed reservoir is simple and flexible. The shape and size of the tank does not matter, just make sure the tank is higher than the plants and it holds enough water to not run out between re-filling. A good rule to follow is - **position the tank 0.5m higher than the Blumat Sensors for every 5m of 8mm tubing used.**



B

TAP: Use a **Blumat Pressure Reducer** screwed onto a tap for use outdoors. This connection method is not recommended for use indoors.



C

PUMP: With a pump system you can draw water from a lower lying tank. Pump systems are recommended for larger **Blumat** set-ups. Constant pressure must be maintained using a pump with a pressure vessel. Complete **Blumat Pump Systems** can be purchased from Ecothrive.

DIALING IN BLUMAT SENSORS

On top of the green cap is the brown adjustment screw, this is used to control the flow of water through the sensor, which will allow the soil to be wetter or drier.



From the brown adjustment screw to the first dripper the optimum length is 8cm of 3mm drip tube. Before attaching the drippers you need to dial in the sensor. This can be done by turning the brown adjustment screw anti-clockwise until water flows freely. Slowly turn the adjustment screw clockwise until a single drop of water hangs from the drip tube. If the drop is still hanging after 10 seconds, then attach the line to the distribution drippers.

If you used the **Blumat Digital Moisture Meter** at the start to get your soil to the correct moisture, no further adjustments to the **Blumat Sensor** are needed. If you watered the soil to saturation before inserting the **Blumat Sensors**, turn the adjustment screw clockwise a quarter turn, allowing 2 triangles on the brown screw to pass. Doing this will set the sensor to start dripping once the soil has had the chance to dry slightly, so the dripper will not maintain a fully saturated soil.

Repeat the setup for all other Blumat Sensors you have installed.

TOP TIPS FOR A SUCCESSFUL OPERATION

Moisture Adjustment

If making adjustments via the brown screw to dial in the soil moisture content, we advise only making small adjustments to avoid saturating or drying out your soil. You will notice on the brown screw there are small triangles, a small adjustment is turning half or one triangle back or forward and leaving for 24 hours until you are happy with the soil moisture.



Distribution Drippers. The black screw does not need to be adjusted unless a distribution dripper can be seen to be releasing less water than the others. In this case loosen the black screw by one turn. Unscrew completely and clean between crop cycles.



Even Distribution

Each distribution dripper will irrigate a diameter of around 20-25cm of soil. Try to evenly place your drippers for best spread of water across the soil surface.

You can attach up to 5 drippers to each **Blumat Sensor**. Once you have checked for leaks and feel you have confidently set up your **Blumat Irrigation System** we recommend that you check your soil moisture a few hours after and in the following days to make sure the optimum moisture is being maintained.

Further reading on the **Blumat & Ecothrive** range of products visit: www.ecothrive.co.uk