

polyflex

FloraDrip

Dripwater irrigation

More growth with less water!

FloraDrip is based on the economical and efficient technology of drip irrigation. The targetted water and nutrients are delivered directly to the roots of the plant therefore saving up to 60 % water. This pays out - drop by drop.

No matter if you need the water for small private gardens or big parks, tree nurseries or sports grounds:
FloraDrip offers tailor-made solutions for every range of use, above the ground or under the ground irrigation.

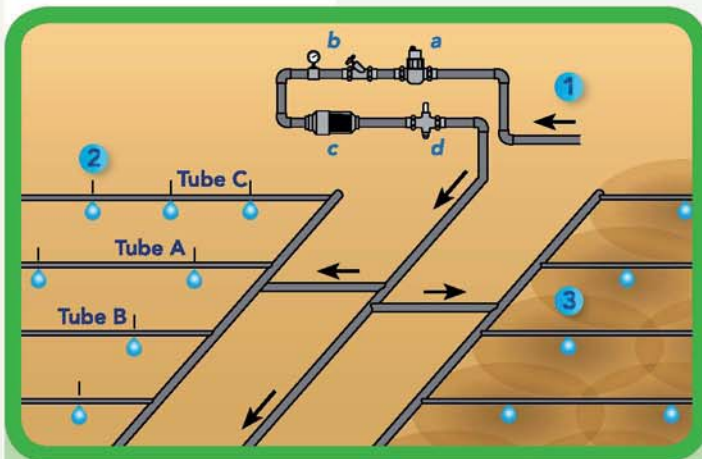
Water savings of up to 60 %

Targeting the water directly to the roots avoids water losses e.g. through vaporization, spraying, drifting away, ground drainage. Water savings of up to 60 % are possible through this system. Also up to 70 % less fertilizer is needed through the targetted and exactly dosable amount.

Plant growth is even improved on the other hand: Directing the underground irrigation straight to the roots reduces the fungal attack of the plants and weeds infestation and intensifies root growth. The ground ventilation is improved therefore reducing ground erosion or compacted soil.






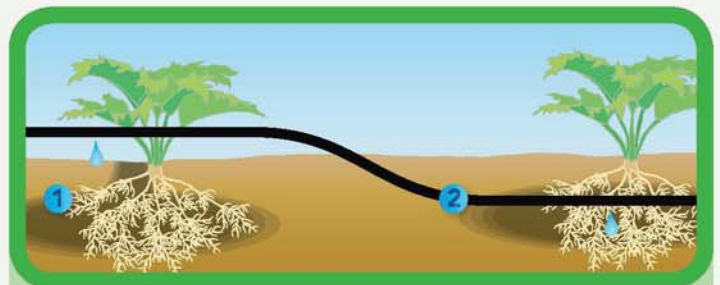
FloraDrip already works at a water pressure of 0.1 bar, a higher elevated water tank is already sufficient. The tube is made of drinking water examined material (PE 100), no pollutants in water and plants.



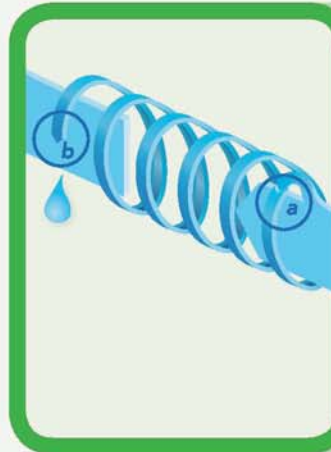
- 1 Control unit consisting of [a] amount regulating valve [b] fertilizer feed [c] filter and [d] pressure reducer.
- 2 Tubes with different drop spacing and drop amounts.
- 3 Adapted to the composition of the ground and the type of culture, FloraDrip achieves a surface dimensional irrigation.

Standard drop amounts and drop spacings:

Tube A	Tube B	Tube C
 2.7 l/h 30, 60, 90 cm	 1.5 l/h 60, 120 cm	 3.8 l/h 20, 40, 60 cm



- 1 The distribution of the water into the ground occurs in a bulbous manner. Water and nutrients are directed straight into the roots.
- 2 The rigid tube allows the installation above or underground. The specific drop outlets prevent ingrown weeds.



FloraDrip is a double walled drip irrigation tube with integrated drop outlets: [a] water inlet into the pressure balance channel through the inner tube [b] water outlet at the drop outlets of the exterior tube.

The drip performance is determined by the pressure balance channel: A longer pressure balance channel reduces the drip performance.

From garden to fruit plantation

The FloraDrip dripwater irrigation system is extendable and individually adjustable with the amount of drops and intervals. It is therefore applicable for most different ranges of use: private gardens, garden and landscape gardening, tree nurseries, fruit plantations, berry cultures, vegetable plantations, greenhouses, green roofs, sports facilities, and even indoor riding arenas. By laying it under mulch or underground the landscape scenery is kept and the danger of stumbling as well as wilful damage (e.g. in public parks) is avoided.

Economically reasonable

FloraDrip does not require any movable sprinkler parts, that have to be repaired and maintained. Due to the long flow channel there is no risk of clogging, because small parts (< 1.8 mm²) are rinsed out. Although only a low water pressure of 0.1 bar (minimum) is necessary, the water supply for a 500 m tube length has a minimum deviation of only ± 1.25 %.

The advantages at a glance

- + Energy savings and resource protection
- + Food safe
- + UV-resistant
- + Installation above or underground
- + Marten bite resistant
- + Load resistant
- + No clogging
- + Drop outlets prevent ingrown roots
- + Usable on slopes up to 7 %
- + Extendable system
- + Simple installation and maintenance

Are you interested?

Then contact us:

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