Drip Dispersal Systems for Percolation Areas –Domestic

Drip Dispersal is the most effective soil infiltration system in all soil types and usually eliminates the need for a raised mound because of its low profile. Finished systems are not visible and usually blend into the garden lawn. It uses drip irrigation to strictly control the volumes of water infiltration into the air filled and biologically active topsoil which is unique to drip as a method of infiltration.

Used on Sites where no Other Systems are Permitted

Drip is a viable and cost-effective option in all soil conditions due to its installation near the ground surface and small area size compared to other systems. On completion the end result is invisible and unobtrusive. For this reason it is used instead of raised sand mounds and other systems that can be an eyesore and occupy large parts of the garden. It can also be used on many sites where no other systems are permitted by Irish and international wastewater regulations. Drip distribution of wastewater is the most efficient and environmentally sensitive method of dispersing wastewater into the environment.

Drip System Experience

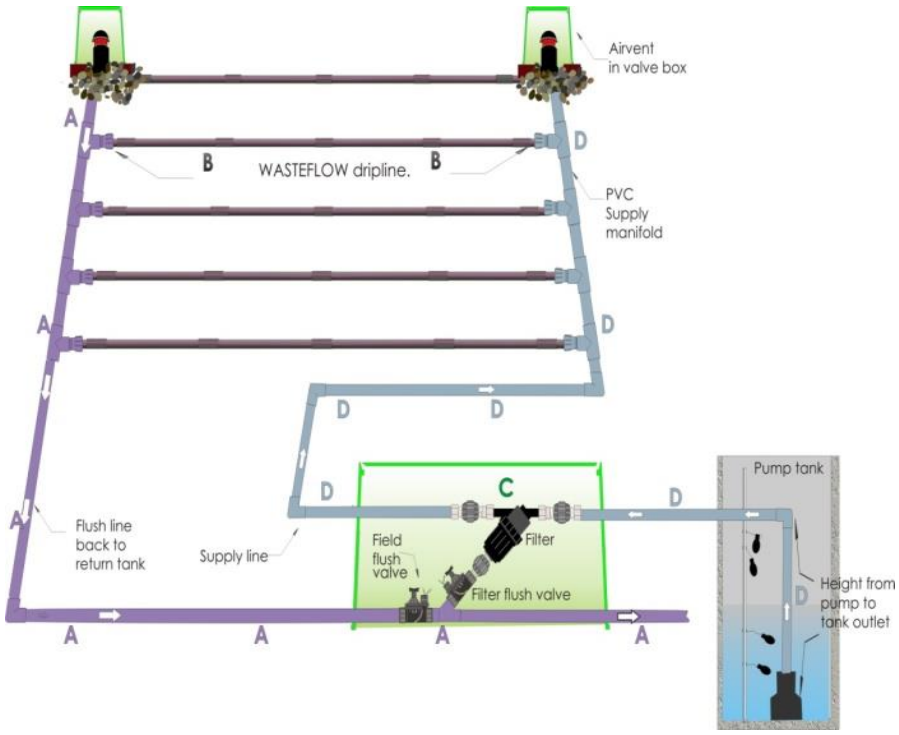
We can justifiably claim to be the experts in Drip Dispersal in Ireland. We are the only company with hundreds of trouble-free drip systems designed and operating both large and small. We have over 10 years of trouble free use of drip systems in Ireland. Installation is by our experienced installers or by our trained and certified partners.

How does it work?

Tiny amounts of water are released from wastewater suitable drip tubing just below the grass surface. The drip tubing is pre-treated anti-bacterial and to repel roots. The water is filtered and pumped in controlled doses day and night.

How is it Installed?

The dripline is typically buried 6 – 9 inches below ground by a mechanical mole plough ideal for tight spaces.



A series of driplines are in inserted into the ground and connected to a pump tank and a secondary treatment system

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Do the Drip Systems Block?

Not if the correct Geoflow drip tubing from Ashtecs is used. A system of continuous line flushing and filtering of the effluent together with the anti-bacterial and anti-root coating Rootguard® as required by the CoP ensures a trouble-free life. The expected life of drip systems is over 30 years. Our commercial systems have been strenuously tested over the years by intermittent upstream malfunctions without clogging or blocking problems during the periods of treatment system malfunction.

Drip system sizes in the 2021 EPA CoP are smaller than most other infiltration systems and tertiary filters because of their proven efficiency, and they are very cost-effective.

The publication of the 2021 EPA Waste Water Code of Practice (CoP) included Drip Dispersal systems. We worked hard to have drip systems approved for use in Ireland and we are pleased that they are now available for use. We supplied the designs and Geoflow drip systems successfully evaluated by Trinity College for the EPA which allowed their inclusion in the 2021 EPA CoP.

Water Reuse

Drip systems provide efficient recycling and reuse of the treated water along with the beneficial reuse of the nutrients as fertiliser in a controlled environmentally friendly fashion.

Summary Benefits of Drip

- ✓ Eliminates the need for a raised mound and costly fill material.
- ✓ Can be used on difficult sites- high water tables, tight soils, rocky areas, steep slopes, around existing buildings and trees.
- ✓ Can be used as a tertiary system as shallow installation maximises use of “good” topsoil for attenuation, water infiltration and percolation through the sub-soil.
- ✓ Take-up of water is maximised by evapotranspiration.
- ✓ The system requires no gravel and is easy to install directly into existing soils.
- ✓ The finished system is usually used as a grassed lawn area.
- ✓ Consumption of nitrates by grass and vegetation is maximised.
- ✓ Installations are invisible and safe for pedestrian traffic.
- ✓ 15-year warranty for root intrusion.
- ✓ Systems are long lasting with a long expected life of 30 years plus.
- ✓ Multiple zones can be used to allow the use of different “parcels” of land.
- ✓ Flushing system of drip lines allows ongoing servicing and life-long operation.
- ✓ A service agreement is recommended through Ashtecs and our certified partners.