



## Underground Harvest Kit

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Product Ref; Harvest Kit 110

Carbery can supply an underground harvest kit with each of its underground tank installs. This product is not available as a single unit. It is specified to suit 100mm pipework as per normal conditions on most underground installs

The kit consists of

- a) Inspection Chamber
- b) In Tank Diverter
- c) Calmed Inlet
- d) Overflow Syphon

### **A. Inspection chamber**

The inspection chamber is used to separate the rainwater from the sediment carried within it, essentially it acts as a sand-trap to allow sediment settle to the bottom of the chamber. An added benefit is that the unit is compatible with the Brett Martin Riser and manhole cover which makes the suitable for both deep and shallow installations.

### **B. Rainwater diverter – In tank**

This diverter allows rainwater to be filtered and diverted , allowing only cleaned water into

the tanks and dirty water to continue into the sewer. The removable top allows easy access for filter cleaning and replacement



### ***How it works***



1. Rainwater is led onto the filter cartridge.
2. The filter cartridge cleans the rainwater. The cleaned rainwater is led through the calmed flow inlet into the rainwater tank.
3. Due to the steep inclination of the filter and its smooth surface structure the dirt is quickly rinsed away into the sewer.

### C. Calmed Inlet

This provides a calmed inlet for rainwater into the tank. Large incoming flow rainwater from a downpour into the tank can stir up the stored water if the flow is not controlled. This unit fits on the bottom of the 4" inlet pipe. It prevent the disturbance of sediment at the bottom of the tank.



### D. Overflow Syphon



Overflow Syphon is an essential component of an underground harvest kit as it prevents the tank overflowing and backlogging into pipework and drainage systems. It has the added benefit in that removes floating pollen and smaller particles which are floating on the surface water in a tank.