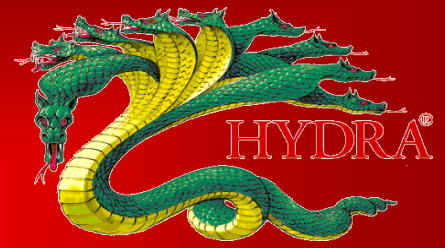
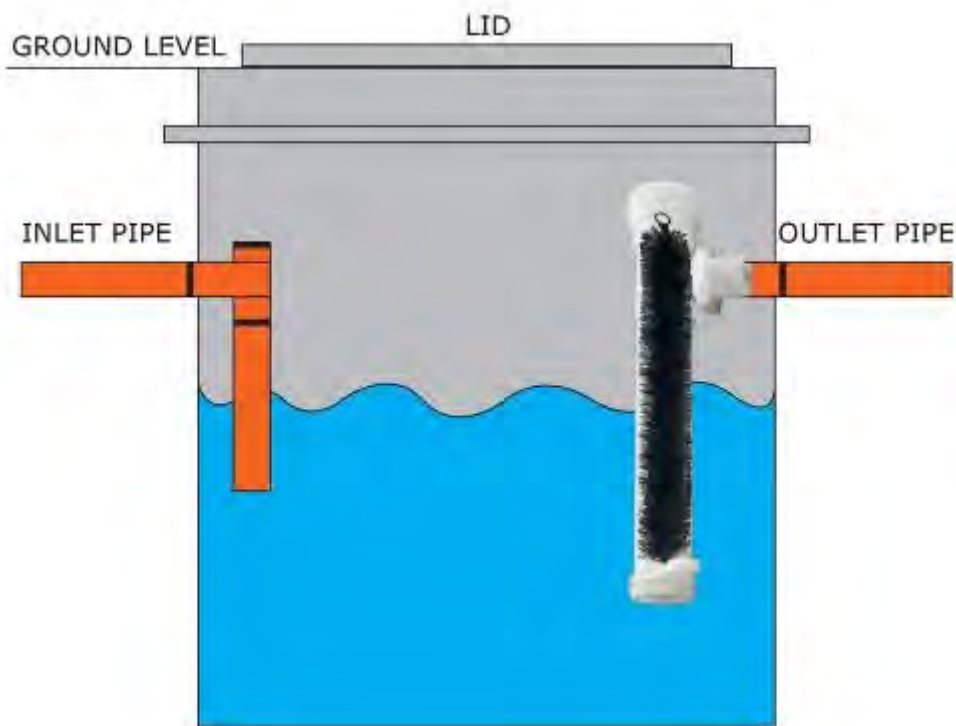


Hydra Septic Tank Filter



Highly Efficient - Stops solids entering soakaway
Very easy to install - Simply slots into outlet pipe



Prevents Blockages
Keeps Soakaways Free Running

HYDRA®

Features & Advantages

Hydra Septic Tank Filter

- Gives superior filtration for tissue, hair, lint, in fact anything that can block a drain-field.
- Contoured design, filters effluent efficiently, greatly reduces filter clogging.
- Gravity flow, pumping is not required.
- Flexible brush design can be used in all tees, square baffles and other hard to reach baffles.
- Designed with non-directional bristles for unrestricted flow of effluent.
- Full length 24 inches.
- Easy to install and clean.
- Fits any existing 110mm / 4 inch pipe or baffle.
- Contains over 400 cubic inches of open area to prevent clogging.
- Self-locking bristles hold the filter firmly in place, eliminating "filter float up".
- Extends life of soakaways and drain-field.

The Problem

A major problem with **septic tank systems** is that their soakaways can block with the suspended solids that have been carried out of the septic tank outlet and into the soakaway itself.

These solids eventually ruin the soil porosity and the soakaway fails.

Some of the following may be signs of untreated effluent entering the soakaway.

- Strong/unusual odours in the septic tank area.
- Damp/squashy ground around the septic tank location
- Dark spots of grass in the area.
- Dead or unhealthy grass in the area.
- Slower draining than usual.
- Waste flowing back into the property.
- Unusual weeds or plants growing around the location of the septic tank.
- Dips or bumps in the ground surrounding the septic tank.
- Needing to schedule more regular emptying or maintenance appointments than usual.



All septic tank soakaways have a limited lifespan which is made even shorter by the amount of suspended solids (little bits waste) in the effluent and they are eventually pushed out of the tank into the soakaway.

These suspended solids are made up of hair, seeds, lint, floating organic material, etc.

The only part of the ground that actually 'soaks away' the liquid are the air spaces between the soil particles.

The smaller the soakaway soil particles, (soils with clay or silt as part of their structure) the smaller the air spaces in the soil and the faster they block with these suspended solids.

A worst case scenario the soakaway may need to be dug up and replaced, which is a very expensive job.



Description



Crazy as it sounds, septic tank and sewage treatment plant final effluent is filtered before discharge in most countries throughout the world, **except** for the UK and Ireland.

Hydra have now developed an economic alternative to drain field renewal, simply fit their highly efficient **Septic Tank Brush Filter**.

The **Hydra Septic Tank Filter** is fitted into the vertical part of the 'T' on the outlet pipe from a single or two chamber septic tank and removes up to 70% of the fine suspended solids from the discharging septic effluent and up to 30% from a sewage treatment unit, vastly increasing the quality of your wastewater and protecting the soak-away from blockage.

Our septic tank filter requires NO electricity and minimum maintenance - you simply pull it out of the tank by the handle, hosepipe it clean and push it back - simple as that!

With over one million filters installed in **septic tanks** and sewage treatment plants throughout the USA and abroad, these filters are the answer for all your wastewater filtering needs.

Thousands of unprotected septic systems fail every year. A new system can fail after only a couple of years without filtration. A small investment in an effluent filter helps you protect your septic system from costly repair.



With a Septic Filter installed, small floating solids are kept in the tank so they can be further broken down and kept out of your soakaway system.

The Effluent Filter directs the outgoing effluent through either a series of very fine slots which prevent anything over 1/16th of an inch leaving the tank, or bristles which tend to trap everything. It also encourages the growth of millions of bacteria throughout its matrix which further digest the organic matter in the liquid.

Slot or Brush Filter?

The 'Slot' filter forces the effluent to flow through a series of narrow slots and the flow reduces the trapping of solids in the filter by allowing them to slough off and fall back into the tank for further digestion, however, they do not trap as many small solids as the brush filters and hardly trap hair at all.

Hydra brush filters are far more efficient at trapping suspended solids and stop all hair and lint fibres from exiting the tank and clogging the soakaway. We have tried them both for many years and find the brush filters far superior, so these are the only ones that we now supply. Bristle septic tank filters have been scientifically proven to trap twice as many particles as slot filters.

The Filter Range

The range extends from filters suitable for single domestic dwellings to filters suitable for treating up to 20,000 litres/day.



Laboratory Facilities

Hydra International Ltd.'s Research & Development Laboratories are a hub of activity where new products are developed and formulated. We have working relationships with our raw material suppliers, many of these suppliers are major world-wide chemical manufacturers with their own development laboratories.

As a company we are well known in the chemical industry for being receptive to cutting edge new chemicals which can be incorporated into our products to achieve performance advantages. An important part of the International Standards that we hold is that of constant improvement. We show that we have achieved this at every independent audit.



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