

## Pumped Polishing Filters

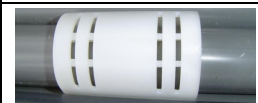
We provide complete pipe systems for single houses and larger systems with all the necessary components for effective pressurised distribution over the total area. Pressure distribution using PVC pipes is a more efficient method than gravity of distributing effluent onto sand and soil polishing filters and so requires a considerably smaller area.

The Irish EPA has confirmed that customised designs are required for each site and the design specification in the Code of Practice is an example.

We take your site information (PE or design flow and area dimensions) and recommend a design so that pressure exists to the furthestmost part of the network. This optimises distribution throughout the Pumped Polishing Filter. Our suggested pipe networks are based on the orifice discharge formula in the US EPA design manual where systems have been in use for over 20 years.



Valve box



Orifice shield option  
keeps soil off outlet holes

### Features

- Packaged systems for small and large systems
- Simple assembly and installation.
- Less land area is required compared to a gravity system
- Pipes are rigid PVC so coiling and bending is not an issue
- Pre-drilled holes so no drilling at the site.
- 90 degree turn-ups allow cleaning access.
- Ball valves at start & end of laterals allow control at installation and flushing of solids.
- Valve boxes for maintenance access to valves.
- Pressure right to the end of each lateral.
- All components are included and pipes cut ready for on-site assembly
- Installation guidelines with photos of typical installed systems are supplied
- Peace of mind during system compliance sign-off.

Simply email us your filter dimensions and flow details and we will suggest a design with quote.



### Optional extra components:

- Concrete pump tanks with lightweight covers
- Stainless steel pumps
- Indexing valve for multiple outlets
- Pressure filters to provide extra screening.
- Orifice shields to keep soil from blocking holes

Design assistance is provided based on US EPA design manual and best practice in accordance with the 2009 Irish EPA Code of Practice.

**New** state of the art Drip distribution systems are also available which may eliminate the need for fill material. Please contact us for references.