

Seradisc Filters protecting remote off-grid water supplies

Westflight Energy were contracted to provide a small scale hydro-electric system, central heating, water provision and sanitation for a remote off-grid farmhouse near Snowdon, Wales. The clients were not living permanently at the property so there was also a requirement for everything to be automatically controlled and monitored remotely via an on-line communication system. Water was taken from a nearby river for household water and sanitation.

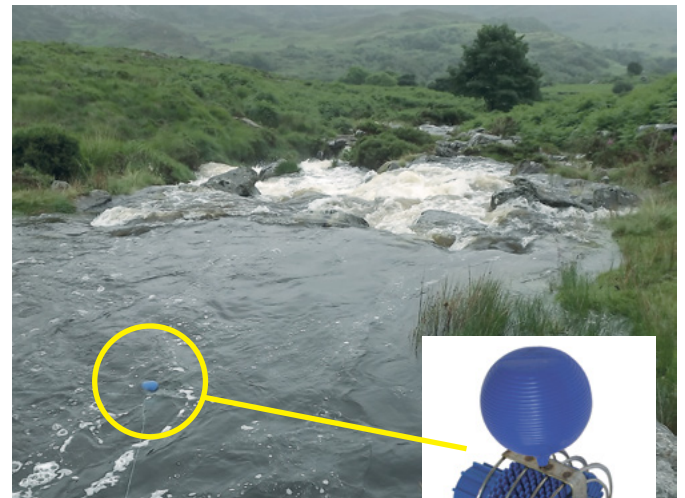


The Problem

Because the system was controlled remotely, it was important that the flow of water was not impeded by an accumulation of debris and silt ingress into the system. The river could be quite fast flowing so a good, durable screen filter was required.

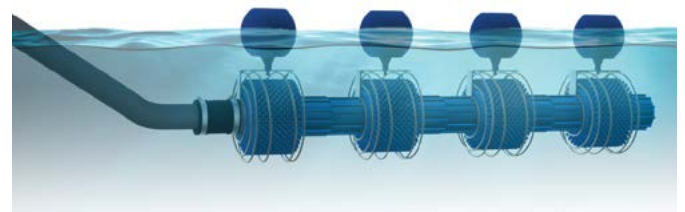
The Solution

Westflight Energy used a **Seradisc Filter** set to 1.5mm which provides essential primary filtration of the household water before passing through a secondary cartridge filtration and UV disinfection. Without the Seradisc Filter, the secondary filtration would become blocked very quickly. A **Seradisc Cage and Float Assembly** was used in the river, the float to keep the filter clear of river bed debris and the cage as added protection from floating debris such as sticks and leaves.



The Seradisc Cage and Float Assembly (right)

and an illustration of how it can be used as an in-series modular system for larger flows (below)

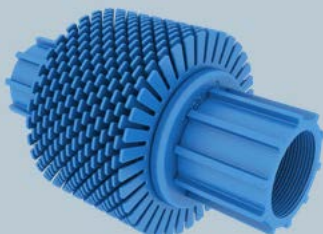


The Installer's View...

We tried the Seradisc Filter for the first time and it was very easy to fit. It has been in operation for some time now and so far we haven't had a problem. We are very pleased with its performance and will certainly be using them again on future projects.

Chris Brooks - Westflight Ltd.

seradisc™



the new filter for long term pump protection!

- Designed with larger screen area to reduce air ingress
- Adjustable filtration grades
- Simple to fit
- Easy to clean
- Tough and durable

www.seradisc.us