

Sustainable Filtration Technology



High performance, sustainable water filtration solutions developed over 20 years by Flocell, part of the Evolution Aqua Group.

What are Flocell XFM Filters?

High performance fine solids removal, low interaction, upflow filtration systems that use patented, proprietary Open Cell Media to retain contaminants that would traditionally be difficult to manage.

- Rapid installation
- Low cleaning frequency
- Concentrated sludge
- Water efficiency
- No short-term consumables
- Cleaned by air



Solids Removal



Over 90% solids removal on a single pass

Phosphate Removal



Phosphate removal to less than 0.03 mg / litre

Water & Energy Efficiency



Over 99.5% water efficient

Patented Open Cell Media

XFM Filter Media is the patented technology inside our systems.

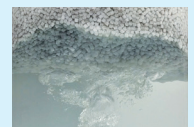
- UK manufactured
- Large protected surface area
- Ability to manage varying load scenarios
- Rapid organic pollutant removal
- High retention capacity



Air Clean Technology

Solids capture and removal made simple with no moving parts.

- Flocell XFM Filters use air to clean rather than backwashing with water
- Cleaning with air using the included low-energy blower package agitates media pack, removing contained solids during a short cycle time



STAYING IN CONSENT



ON-SITE ANALYSIS



SCALABLE SOLUTIONS



RAPID DEPLOYMENT





Bespoke Filtration Solutions

At Flocell, we specialise in delivering tailored filtration systems designed for a wide range of applications.

Whether solutions are required for wastewater management, aquaculture, or industrial processes, our units are perfectly suited to your specific needs.

Standard packages and bespoke builds offer unmatched flexibility and efficiency.

Varying flow rates and unique site requirements can be comfortably accommodated with simple containerised deployments with no civil engineering costs incurred.



- Weatherproof
- Fully secure
- Full side and end-opening
- 4" / 110mm flange connections allow multiple units to be linked in series or parallel
- PVC pipe & fittings
- Weatherproof electrical inlet
- 3 phase WIMES electrical panel
- High-flow side channel blowers for cleaning
- Pumped sludge removal
- Vent fan
- Specify in own brand RAL colour
- No civils required for installation
- Winterisation heater

Examples of Containerised Filtration Solutions

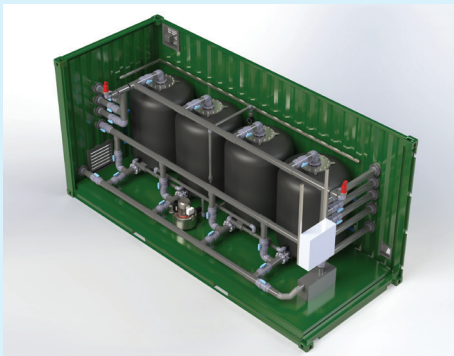
Flocell XFM Modular Filtration Systems



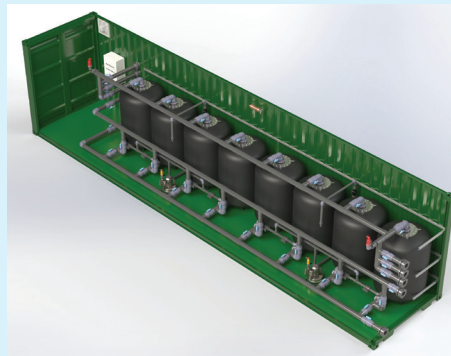
XFM 5 – 5 lps flow rate



XFM 10 – 10 lps flow rate



XFM 20 – 20 lps flow rate



XFM 40 – 40 lps flow rate



ANALYSIS & TESTING

Flocell offers expert technical support and on-site testing through our mobile laboratory, delivering real-time particle size analysis and gravimetric TSS sampling to help bring your site back into compliance.



BESPOKE DESIGN & BUILD

Standard and bespoke builds tailored to your application and flow rate requirements. Designed for maximum flexibility, these systems can be linked in series or parallel to meet specific objectives and site installation needs. Custom finishes and paint-matching options are available.



RAPID DEPLOYMENT

Flocell offers a wide range of filters available at short notice for both duty and standby roles. Whether you need temporary hire or a permanent installation, all our units are readily available at short notice.



SEAMLESS INTEGRATION

Gravity or pump-fed, containerised XFM packaged solutions can be commissioned within one hour and require no civil engineering. Typical cleaning cycles of only 30 minutes reduce site visits, labour and costs. No moving parts eliminate the need for short-term consumables and require minimal periodic servicing.



MULTI-SECTOR

Flocell provides filtration technology to a wide range of sectors including Wastewater Treatment, Food and Beverage Production, Aquaculture, Aquarium Systems, Industrial Applications, Hydroponics, Aquatic Research Facilities, Agriculture and more.