



- Replaces sand in sand filters
- Up to 80% better performance than sand
- Remove most particles down to 5 microns
- AFM will last for the life of the filters
- Double visibility through the water < 0.05ntu
- In chlorinated systems AFM reduces DBP`s by 90%
- AFM does not suffer from worm-hole channelling
- Prevents bed anoxic zones and nitrosamine production
- Pre-filtration prior to 1 and 0.5 micron cartridges increases run phase duration 10 fold over sand simply by changing to AFM.
- Reduce back-wash water by up to 75%



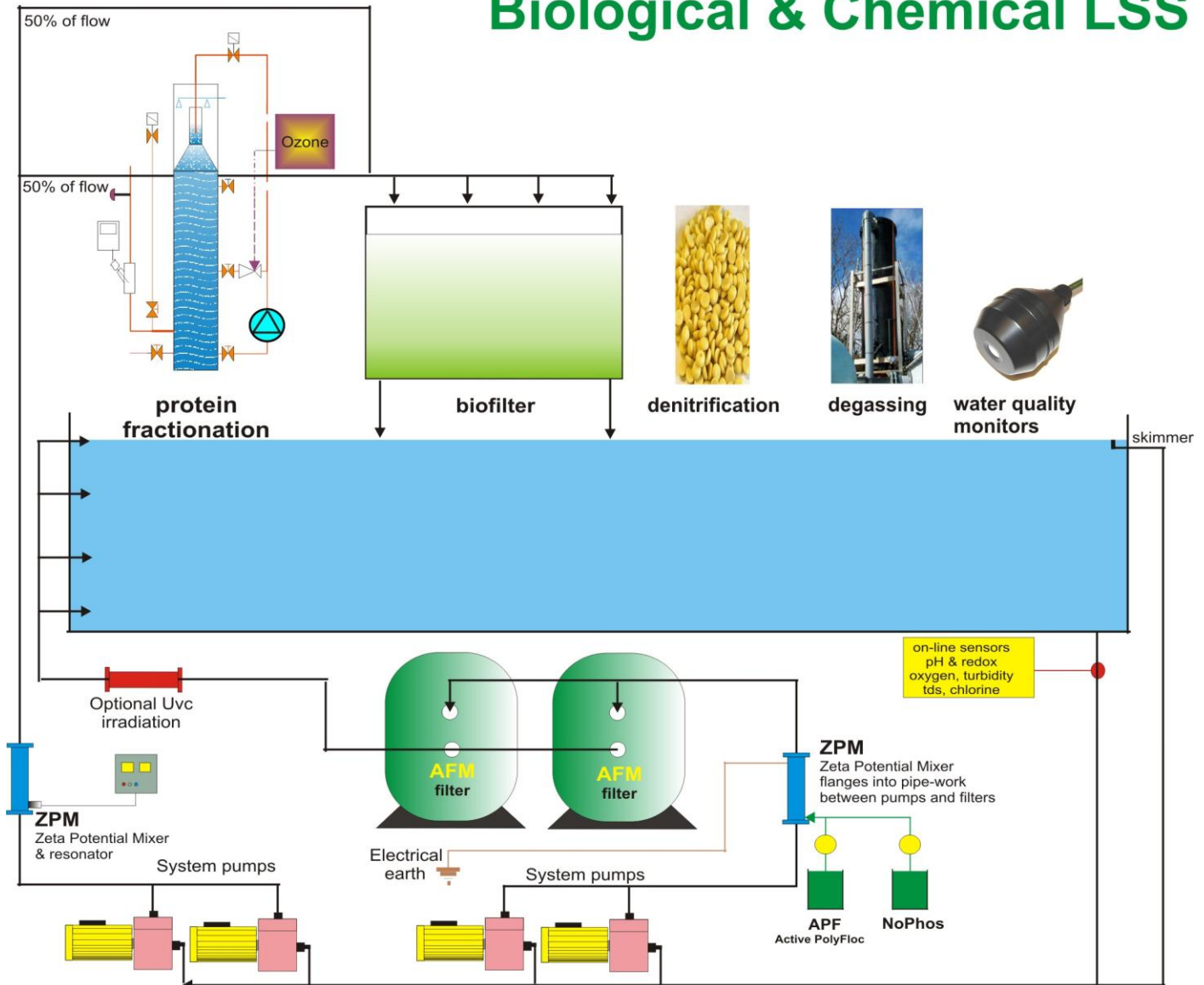
The largest marine recycle systems in Europe now use AFM as the main mechanical filtration media. AFM is also perfect for freshwater farms to provide sediment free water and to protect the eggs or fish from fungal, bacteria and parasitic infection. If UVc is used, you should always use AFM to provide sediment free water to insure disinfection.

## Applications

marine and freshwater systems  
recirculation systems  
hatchery systems  
influent pre-treatment  
effluent treatment  
borehole water filtration  
protect farms from algae  
aquarium LLS life support systems



# Biological & Chemical LSS



AFM is supplied in 25 kg bags or 1 tonne big bags, 3 grade of AFM are available.  
 Grade 1 = 0.50 to 1.0mm the principle filter media grade size, for all applications  
 Grade 2 = 1.0 to 2.0mm support media, below grade 1  
 Grade 3 = 2mm to 6mm support media below grade 2

## How to use AFM

Simply replace the sand in your sand filters with AFM. Dryden Aqua manufacture and supply GRP pressure filters, or you may use your existing filters with AFM. When you change your filter media to AFM it is also best to change the laterals at the same time. AFM has a lower density than sand so you need 15% less AFM by weight than sand if your filter takes 200 kg of sand it will only require  $200 \times 0.85 = 170$  kg of AFM.

For filters under 1m in diameter, use grade 2 media on the base of the filter and grade 1 on top of the grade 2. 20% of the media should be grade 2 and 80% grade 1, for example if the total weight of AFM in the filter is 250 kg then use 2 x 25Kg bags of grade 2 on the base and 8 x 25kg bags of grade 1 on top of the grade 2. For filters larger than 1m diam we recommend three grades of AFM in the filter, 15% grade 3, followed by 15% grade 2 and 70% grade 1. Filter performance is inversely proportional to the flow rate, so it is always best to run the filters at the slowest possible flow. Back-wash flow for sand should be  $>55$  m/hr, back-wash flow for AFM is  $>45$  m/hr.