PERFECT COMBINATION FOR WATER FILTRATION:

CALPLAS FILTER + AFM®

+

DRYDEN AQUA
SUSTAINABLE WATER QUALITY DISTRIBUTION

- ✓ Bio-resistant
- ✓ High performance in ferric, arsenic, chromium and manganese removal
- ✓ AFM® filters at least 30% better than sand.
- ✓ Lower consumption of chlorine and backwash water
- ✓ AFM® is the perfect filter media to substitute sand and anthracite, in some installations AFM® can even substitute active carbon.
- ✓ AFM® will last for the life of the filters in drinking water applications and should last at least 4 times longer than sand in wastewater treatment in well-engineered filtration.
- ✓ Applicable to pre-treatment of RO, removal of heavy metals, tertiary treatment of effluent, , wastewater treatment, drinking water, process water, pools, aquariums, aquaculture,..

Successfully used in over 100 000 water treatment installations worldwide

AFM® - Activated Filter Media

Characteristics

AFM® is a revolutionary filter media only made from green pure glass developed and manufactured by Dryden Aqua. AFM® advantages:

- 30% better performance than sand or crushed glass
- Chemical products consumption reduction about 50%
- Bio-resistant: no-home for bacteria, viruses and other pathogens. No channelling.
- Arsenic, iron, manganese and chromium effective removal.
- Operation cost decrease
- Less water consumption: Back-wash water reduction, till 50% less water than with sand filters.
- AFM® should last at least 4 times longer than sand.
- Turbidity reduction
- AFM® is manufactured under ISO 9001:2008 standard. It is a filter material certified under NSF 61 and under European Standard for drinking water (98/83/EC) & (80/778/EEC).

Filtration of 5 microns is achieved without flocculation. With optimized coagulation-flocculation with APF and ZPM, a filtration up to 0,1 microns can be achieved.

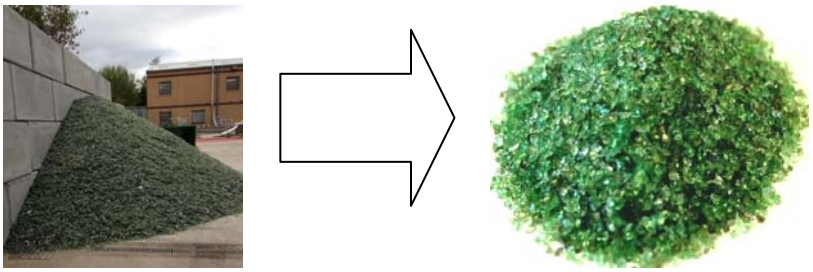
Different filtration and back-washing velocities are required according to application
Please contact calplas@calplas.com for further information

AFM® layers distribution

70% AFM® grain 1: 0,5-1,0 mm
15% AFM® grain 2: 1,0 mm-2,0 m
15% AFM® grain 3: 2,0-4,0 mm
AFM® density: 1 250 Kg/m³

If you are currently using sand or sandglass, simply replace this in your filter with AFM.
Not suitable if sand is working as a biofilter

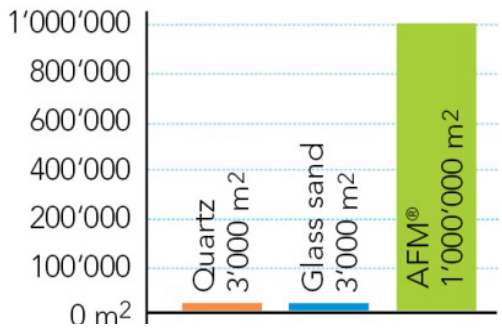
Raw material: Green glass



Green glass has the correct chemical and structural properties for Dryden Aqua's activation process, AFM® manufacturing process prevents bacteria growing on the surface of AFM® grains.

Filtration capacity

AFM® activation process increases the surface area available for adsorption by 300 times over others filtration media



Higher filtration performance, less chemical products consumption.