



**Voted the best filtration media**  
Over 40,000 pool installation around the world



**Mención Mención Commendation**

El Jurado / El Jurat / The Jury

Presidente / President / President  
Daniel Serra

**MEDIO DE FILTRADO ACTIVO  
AFM (ACTIVE FILTER MEDIA)**

Secretario / Secretari / Secretary  
Josep Ramon Fontana

Empresa / Company

**DRYDEN AQUA LTD  
PS-POOL EQUIPMENT SL**

Barcelona, 21 de octubre de dos mil nueve

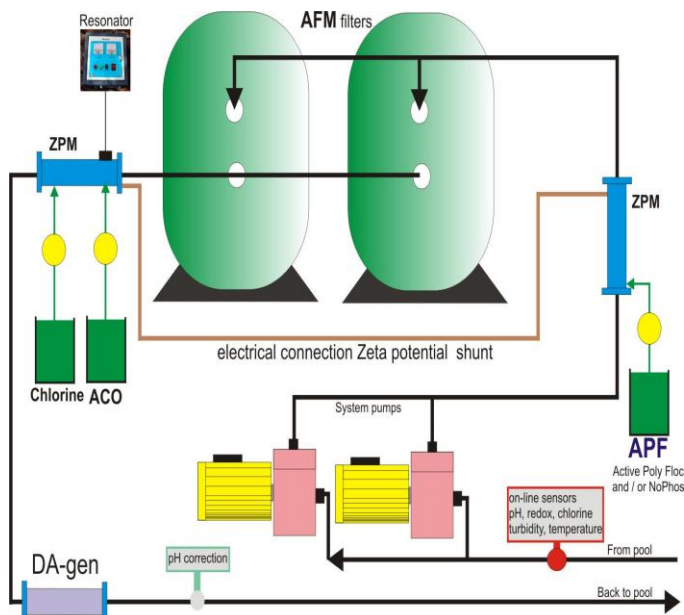


Dryden Aqua Ltd

Butterfield | Bonnyrigg | Edinburgh EH19 3JQ Scotland Tel 018758 22222 Fax 018758 22229 [www.DrydenAqua.com](http://www.DrydenAqua.com)

AFM Compliant with European Water Directive (98/83/EC) & (80/778/EEC). BSEN12902 and BSEN 12904, manufactured under ISO9001-2008





- The only activated filter media
- Electro-mechanical filtration media
- Very hydrophilic electrically charged surface
- High surface catalytic oxidation potential
- Self sterilising (will not biofoul, reduces legionella risk)
- Certified for drinking water under UK regulations
- Manufactured under ISO9001-2008 quality system
- 80% better performance than sand or crushed glass media, confirmed by national government organisations
- Inorganic combined chlorine greatly reduced
- High protection from crypto oocysts, especially when combined with ZPMr
- Gives a return in capital measured in months
- Helps to reduce chlorine consumption by up to 90% as part of an integrated water treatment process, measure by Dryden Aqua Performance Factor

AFM is supplied in 25 kg bags or 1 tonne big bags,

**Grade 1** = 0.50 to 1.0mm, top of filter bed, 70%

**Grade 2** = 1.0 to 2.0mm support media, below grade 1, 15%

**Grade 3** = 2mm to 6mm support media below grade 2, 15%

**Bed depth** (total) for commercial filters should be >1200mm

#### Operational criteria

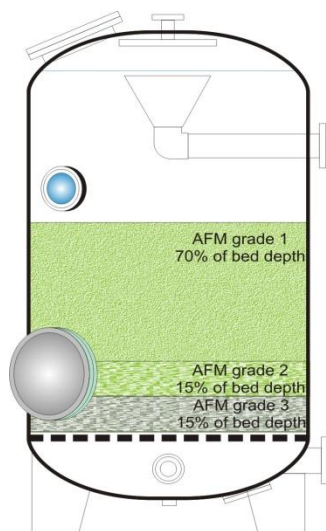
**Run-phase** water flow 15 – 30m/hr

**Air purge** 50 to 100m/hr

**Back-wash** 45 to 55m/hr for 5 minutes. 20% bed expansion

#### Specifications, grade 1

Bulk bed density, average	1.25
Effective size	0.6mm
Sphericity	>0.8
Roundness	>0.7
Uniformity coefficient	<1.3
Aspect ratio	<2.4
Specific density	2.5
OAD	>10
Purity better than	99.95%



## Clients & performance

Our clients range from the largest super yachts constructed in the UK to presidents of super-power countries to regular private swimming pools. The best is available to everyone.

In public pools AFM is used around the world and is widely recognized as the best filter media. Over 25 million pool visit a year in the UK, the best and most economic public pools in France and some of the largest aquatic parks in the world. Perfect results in all cases and not a single recorded incident.

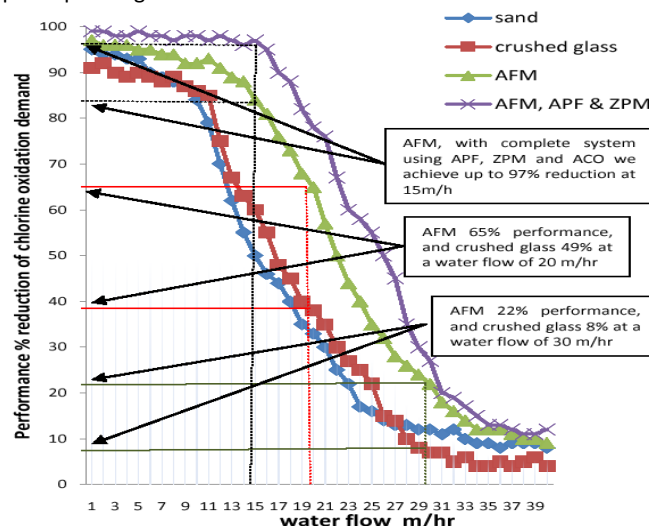


## How to use AFM

Simply replace the sand in your sand filters with AFM. Dryden Aqua manufacture and supply 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.

## Independently tested-checked-certified

AFM was developed from a 1.2million Euro research program with the European Commission. AFM has been tested against sand by Scottish Water and Lyonnaise des eaux, and confirmed to be twice as good as the best available sand. AFM checked by WRC-NSF and certified by European Government authorities. French NGO national government organisation confirmed AFM far superior in performance to crushed glass. The worlds largest pool training organisation recommend AFM to prevent lung damage in life guards and pools staff, and confirmed on 30% saving on public pool operating costs.



## If it's not AFM® it's not Activated or safe

AFM is the original filter media manufactured from glass to Dryden Aqua specification, under ISO procedures. While AFM is manufactured from specially produced glass it is not a basic recycled crushed glass product and will not cause high levels of combined chlorine or pathogenic bacteria. We do not compromise on performance or safety, so if you want the best, without the risk then it needs to be AFM.

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