IGS ASIA PACIFIC
WATER SOLUTIONS

# AFM® exceeds top performance of sand, quartz and other glass media by far

## The Clear Alternative

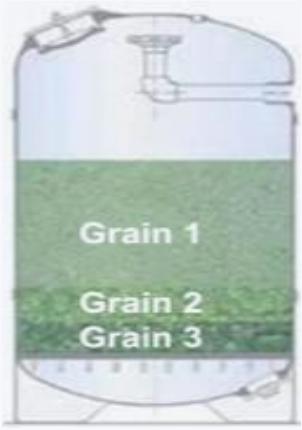
The chemistry of the glass, the particle shape and especially the activation process gives AFM® these important properties to clearly outperform sand and glass sand filters. The large surface has a strong negative charge to adsorb organics and small particles. The surface also has metal oxide
catalysts which produce free radicals and thus a high redox potential. Therefore AFM® is self-disinfecting. AFM® prevents bacteria from settling to make it a unique, bio-resistant filter material.

## What is the recommended layering of AFM®?

If you are currently using sand or glass sand simply replace this in your filter with AFM®. While sand has a specific weight of 1,450 kg/m3, the specific weight of AFM® is 1,250 kg / m3, and Therefore it needs about 20 % less AFM® according to weight.
For example:
If your filter has 150 kg of sand, only 125 kg of AFM® is needed.
AFM® is supplied in 20 kg bags and is
available in four different grain sizes.

AFM® should be used as follows:

AFM® grain 0 = 0.25 to 0.5 mm grain size
AFM® grain 1 = 0.4 to 1.0 mm grain size
AFM® grain 2 = 1.0 to 2.0 mm grain size
AFM® grain 3 = 2.0 to 4.0 mm grain size




AFM® 1 will remove more than 95 % of all particles in the water down to 4 microns. The best is a very high-quality sand or other glass and can achieve 20 microns. At an efficiency of 95 %. AFM® 0 is able to remove particles down to 1 micron at an efficiency of more than
95 %. AFM® 0 has been developed for best filtration where flocculation cannot be used.
Grain 2 can be used for filters less than 1000 mm in diameter instead of grain 3. Also, for all DIN filters with nozzle plate, grain 3 can be substituted with grain 2.

## Your advantages at a glance

**Crystal clear water** – AFM® filters much finer than sand, quartz or any other filter media

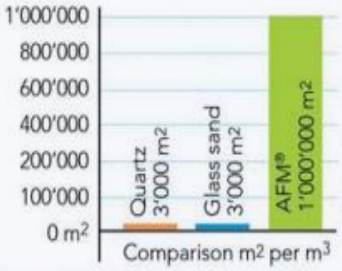
**AFM® prevents biofilm –** It attracts and captures bacteria and algae to prevent biofilm.
Biofilm occurs when bacteria gathers in groups and will form a shield to protect themselves from chlorine.

**Over 90% of biofilm is inside your filter –**
Biofilm dramatically reduces the effectiveness of your filter resulting in poorer health in your pool water.

**AFM® saves resources -**
Reduced maintenance and chemical consumption will save you time and money on chlorine and energy.

***Providing peace of mind for your family and their health.***

**Comparison quartz, glass sand and AFM®**




AFM® has a approximately 300 times greater surface as quartz or glass sand.

+61 (03) 7035 6313
info@igswater.com
www.igswater.com

IGS Asia Pacific,
Ground floor
470 St Kilda Rd
Melbourne, VIC 3000, AUS

AWC Asia Water Council

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# AFM®

**Activated filter media made from green glass**

## What is AFM®?

**AFM®** stands for Activated Filter Media, a revolutionary filter material made from green glass developed and manufactured by Dryden Aqua.

**AFM®** exceeds the performance of quartz and glass sand by filtering about 30 % more organics.

**AFM®** is bio-resistant and self-sterilising which means no biofilm is formed in the filter bed. This important feature makes the pool system healthier, ecological and more economical.

**AFM®** has successfully been used in over 100,000 public and private swimming pools worldwide.

**AFM®** is manufactured under ISO 9001-2008 standards and is a filter material certified under Australian and European standards. standards for swimming pools and drinking water, NSF50 and NSF61.

**AFM®** is a registered trademark and is exclusively made by Dryden Aqua.


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