

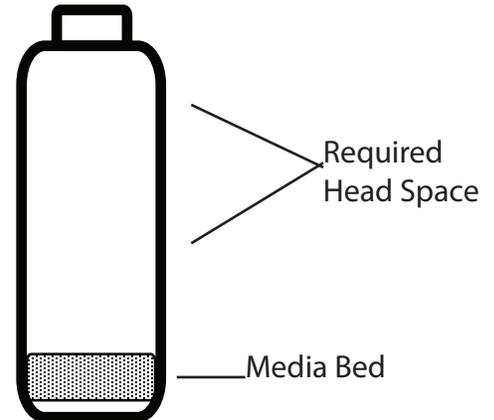
## Filtersorb Granular Comparison

### Watch Water Products Suggest the use of Filtersorb SP3 as follows:

In an 8 x 35 tank suggested use is 3.5Litres of media.

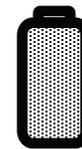
They Also suggest each cubic inch of media will filter appro x. **527gallons of water @ 25 grains**

This data is available directly from the [www.watchwaterproducts.com](http://www.watchwaterproducts.com) website under Filtersorb use formula.



### At Foamulations we have designed our Filtersorb Foam as follows:

We have field tested our units to 80,000gallons using 201 cubic inches of Filtersorb Foam. This shows each cubic inch of Filtersorb Foam to yield approx **398 gallons/cubic inch @ 25 grains.**



Entire capacity of filtration vessel is Filled with media.

### Summary of calculations:

At first glance it seems to be more effective per cubic inch to use Filtersorb Granular media but to get a fair comparison you must consider the head room required when using the granular form of Filtersorb. As suggested by watchwater directly you should use an open head room of 7/8 your filtration vessel. When we consider this the granular cubic inch efficiency drops from **527gal./cu.in. down to 65.8gal./cu.in.** This is because for every cubic inch of media you need 7 cubic inches of open space. Our Filtersorb Foam suspends the media in a open cell reticulated structure which allows us to utilize the entire filtration vessel. This also means you can use a filter housing approximately 6 times smaller for the same capacity filter. For example to build a 100,000 gallon capacity filter @ 25 grains of hardness using granular filtersorb you would need a filter housing @ 1520 cubic inches; to build the same filter using Foamulations Filtersorb Foam you would use a housing @ 251 cubic inches. Also the open cell reticulated structure of Foamulations Filtersorb Foam allows you to use a full canister of media with little to no pressure and flow restriction.

\*Foamulations Filtersorb Foam gallon capacity rating was calculated through actual field use by outside sources under normal conditions.\*

