



Bioglas media is acid resistant for long life

## BIOGLAS® MEDIA IMPROVES ODOR CONTROL

Bioglas® media is an acid resistant glass material designed to perform better and last longer than traditional media. This non-degradable glass media is also lightweight, non-toxic and highly porous for optimal biomass growth. Bioglas media can be used as a direct replacement for clay or perlite media in non-recirculating biofilters.

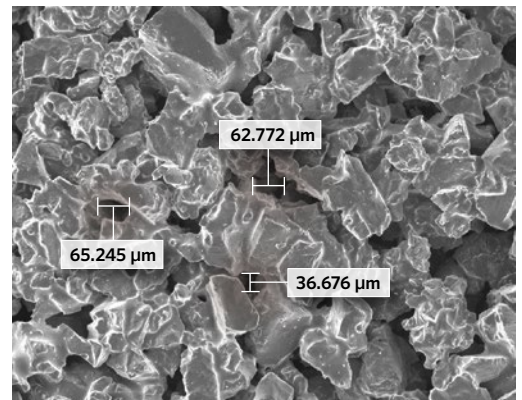
### BIOGLAS MEDIA ADVANTAGES

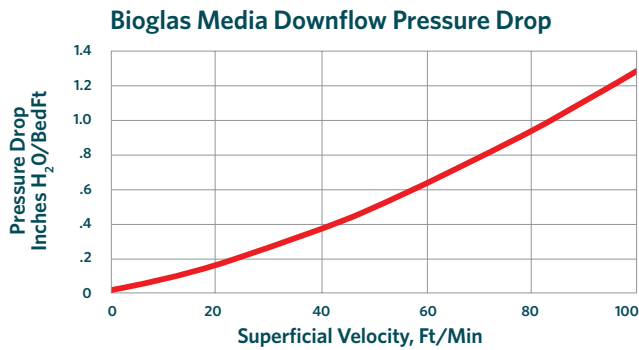
- Made of silicon dioxide (glass) that is naturally resistant to sulfuric acid produced by acidithiobacillus bacteria
- Longer-lasting media life compared to less acid resistant material such as perlite or expanded clay
- Outperforms other media with 4M pores per square inch for biomass growth
- Low-pressure drop for optimal performance
- Made from recycled glass and manufactured in the USA

The image on the right shows the microscopic pores of Bioglas media. A scanning electron microscope was used to measure pore sizes between 25 to 700 (one micron is 1/1,000,000 of a meter). Numerous small pores create more surface area for biomass growth, increasing the performance of the biofilter.

### BIOGLAS MEDIA BENEFITS

- Non-toxic and chemical free
- Lightweight
- Non-degradable
- Non-compacting
- Reusable
- Inert
- No shelf life





The chart above shows the Bioglas media pressure drop per unit bed depth. The low-pressure drop is due to high porosity and low-volume density. This allows the passage of air with little resistance compared to other media. Other media that is less acid resistant can break down over time, causing a higher pressure drop, which results in reduced airflow. This can significantly impact the performance and efficiency of the biofilter unit.

Bioglas media is available in 40 cubic foot supersacks. Evoqua can provide assistance with the removal of old media and installation of new media. Typically no modification is needed for existing fans to replace media. Evoqua also provides a five year warranty on all Bioglas installations against breakdown from acidic conditions.

### BIOGLAS MEDIA SPECIFICATIONS

Material	Foamed Recycled Glass
Density	0.20 g/cc (13.7 lbs/ft <sup>3</sup> )
Water Holding Capacity	30% by volume
Air Filled Porosity	50% by volume

### WORRY FREE ODOR CONTROL

Evoqua has six (6) regional service centers staffed with experienced personnel that can provide turn-key Full Service biofilter units on a monthly rental basis or for capital purchase. Our Full Service program includes on-site evaluation, installation, operation, service, and performance reports. With Evoqua, you can rest assured that odor problems are under control.

### FOR MORE INFORMATION

Contact Evoqua's Odor and Corrosion Control Experts at **1-800-345-3982**.



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