



# Glass Media

Using ECOsmarte's glass water filtration media not only results in outstanding performance, but in real cost benefits over the life of a filter bed:

## Savings with Glass

Based on Filtration for a 24" Pool Filter

Product	Cost	Life	Cost over 9 Years
Glass	\$300	9 yrs	\$300*
Sand	\$60	3 yrs	\$180
ZEOLite	\$150	3 yrs	\$450
DE	\$15	2 mo	\$1,500* (1 set grids)

\*Glass provides added savings due to reduced chemical use, and easier/less frequent backwashing. These costs are not reflected.

## Glass at a Glance

Characteristic	Glass	ZEOLite	Sand
Environmentally sound	●		
Long lasting (3x longer)	●		
Ionically charged (traps small particles)	●		
Removes twice the iron and manganese	●		
Self-sterilizing	●		
Reduced chemical use	●		
Less likely to block or channel	●		
Requires a salt bath		●	
Requires more water for backflush		●	●
Requires more chemicals		●	●
Class II Carcinogen		●	●
Harmful to breathe		●	●
Surface houses bacteria		●	●
Strip mined: depletes our environment		●	●

## Glass Filtration Media

**Finely crushed recycled glass for pool, industrial, and environmental filtration that provides outstanding water clarity and quality - a direct replacement for sand or ZEOLite in both freshwater and saltwater pools.**

### Superior Cleaning

- Cleaner, lighter weight, highly angular crushed recycled glass provides an amazing 25% improvement in turbidity removal over silica sand, and is equivalent to ZEOLite.
- Crushed glass filtration media generally removes finer particles from water than silica sand of an equivalent grade, and is comparable to properly configured ZEOLite.
- Weak negative surface charge holds fine particles and positively charged iron and manganese ions that are easily released upon back washing. Perfect for well water pools.
- Crushed glass filtration media is less likely to block or channel than silica sand or ZEOLite and will not support moss or fungus growth in the media.

### Safer to Use

- Glass contains no crystalline silica—resulting in better lung protection for employees and a far healthier environment.
- Glass grains are amorphous, smooth particles that have higher attrition strength and do not permanently trap bacteria in cracks.
- Use of crushed glass filter media will lower your consumption of chlorine and coagulants. Coagulants and metal removers foul ZEOLite and are compatible with glass.
- Manufactured from 100% recycled glass

### Lower Operating Costs: Easy Install and Maintenance

- Labor and time savings at install.
- Improved performance for pressure or gravity-flow filters
- Weighing 20% less than sand, ECOsmarte® crushed glass filtration media provides more filter volume per pound.
- Lower density requires up to 20% less media to fill your filter vessel.
- Better permeability—back washes with up to 25% less water, saving down-time and water/sewer charges.
- Because glass cleans better, you save energy, operating costs, and extend the life of your filter.
- Comparable initial cost to ZEOLite.