



## Filtration Media

- **CleanGlass** filtration media is made from **100% Post-Consumer recycled** glass. It is pulverized, washed, dried, and screened into optimal US Mesh filtration sizes: [ 6/12 and 12/40 ]
  - As the grains are nearly all **angular** in shape and have a **high** degree of **sphericity**, the filter bed tends to have more opened packing resulting in **better permeability** than a filter of spherical silica grains.
- Because glass is **amorphous** and has no internal crystal structure, the particles are homogenous and have no grain boundaries. This gives glass more **resistance to breakdown** through filtration backwashing cycles.
- Furthermore the lack of grain boundaries **minimizes cracks where bacteria can lodge** and resists flushing in back washing.
- Glass particles have a slight **negative charge** on their surface, which tend to hold onto **fine particulates** during the filtration cycle. Upon **back washing**, this weak charge releases these fine particles to the effluent thereby contributing to **better filtration action**. There is **less water** to the **better permeability** of a **glass filter**.
- As crushed glass is **lighter** than silica sand, between **15 and 20% less glass** is needed to fill a filtration unit. With the better filtration characteristics and lower density glass is a **superior filtration media** for **many** filtration applications. It can be used in swimming pool and spa filters as well.

**Using glass not only results in good performance, but in real cost benefits over the life of a filter bed!**

