

GLASS PEARLS

Superior filter media



Manufactured from pure glass, Glass Pearls are a new generation of filter media, capable of providing water of superior clarity.

Its spherical shape results in low coefficient of friction, reducing backwash requirements, saving pool owners both time and water.

- 3 micron filtration
- 20% less backwash water
- High purity
- Safe and smooth
- Time saving
- 0.6mm to 0.8mm in size

Superior Clarity

Glass Pearls have a small effective size of only 0.6mm to 0.8mm. Its narrow particle size range allows in-depth filtration and extends operating cycles between backwashing. Glass Pearls have been laboratory tested to be able to effectively filter down to below 3 microns.



Save Water

Glass Pearls spherical smooth shape, results in a low coefficient of friction, reducing its backwash water requirements. Glass Pearls backwashes with up to 20% less water than sand, saving time and water.

High Purity

Glass Pearls are manufactured from pure glass and chemically inert. Glass Pearls have been independently lab tested for leaching contaminants and found to be well within Australian Drinking Water Guidelines.



Safe and Smooth

Glass Pearls are spherical and do not have any sharp edges. They are safe to handle and safe to service. If there is ever a failure of the filter's laterals and Glass Pearls flow into the swimming pool, they pose no risk of injury to swimmers.

Time Saving

Glass Pearls are easy to install and enables a rapid start up of the media filter. Its high purity means very little backwashing is required to cleanse the filter media, prior to commissioning the filter.



Technical Specifications

Filtration Media	Glass Pearl
Effective Size (mm)	0.61
Uniformity Coefficient	1.21
Bulk Density	1.61
Mohs Hardness	7.0

Chemical Compositions

Silicon dioxide (SiO ₂)	70.00 – 75.00%
Sodium oxide (Na ₂ O)	12.00 – 15.00%
Calcium oxide (CaO)	7.00 – 12.00%
Magnesium oxide (MgO)	approx. 5.00%
Aluminium oxide (AL ₂ O ₃)	approx. 2.50%
Potassium oxide (K ₂ O)	approx. 1.50%

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