VITRAFIL Active filter glass

YEARS OF WARRANTY 3 STANDARD

MADE IN EU

ACTIVE FILTER GLASS

The entire range of Vitrafil filter glass is precision-calibrated using a cutting-edge process, making it possible to:

- Prevent filter media compaction.
- Guarantee filter media performance.
- Use a single grain type, irrespective of filter size.
- Obtain a polyhedral particle, free of pores or sharp edges and hence completely safe.
- Keep all the micro-channels of the filter mass open, thus preventing clogging inside the filter.
- Reduce consumption of water treatment chemicals.
- Does not compact, and prevents biofilm and preferential path formation.
- Extremely hard-wearing.
- **Reduces consumption of chemicals by up to 50%**, cuts backwashing time, saves water.
- **Certified by Bureau Veritas ES026775-CPI**, 100% free of impurities, clean right from the start.

The particle size of Vitrafil (0.6mm) makes it possible to:

- Optimize filter retention capacity, thus allowing less frequent backwashing.
- Optimize the efficiency of backwashing.
- Minimize filter pressure drops, thus reducing pump consumption.
- Optimize filtration quality.

Description	Technical glass, precision-calibrated for industrial water treatment.
Composition	SiO_2 (74%) / Na_2O (11%) / CaO (10%) / MgO (3%) / Al_2O_3 (1%)
Properties	Loss on ignition at 1000°C ≤ 0.1%, abrasion resistance test in immersed state (1000 hours) ≤ 0.1%
Density	Density: 2490 kg/m³.- Bulk density: 1335 kg/m³.
Precautions	Check the status of the collector. Ideally, replace it. Do not ingest.
Incompatibilities	None identified.
Installation	Once the filter bed has been replaced, carry out a 5-minute backwash before starting filtration.
Recommendations	When substituting silica sand, add 20% less glass by weight. • Maximum permissible flow rate: ..... 90 m³/h/m² • Rated flow rate:..... between 10 and 50 m³/h/m² • Critical point for backwashing:..... 8 m³/h/m² • Optimum flow rate for backwashing: .. 30 m³/h/m² • Optimum air injection rate:..... 40m³/h/m²

Ref.	Packaging	Quantity	Particle size Ø (mm)	Weight (kg)	Vol. (m³)
260400002000	Bag	20 kg	0.6	20.1	0.024
260400100000	Pallet	1000 kg	0.6	1000	1