

FILCHEMTM
GLASS FILTER MEDIA

An advance Filtration Solution, Exclusively made from
contaminant free high quality glass.

FILCHEM GLASS FILTER MEDIA is an advanced solution for a **FILTRATION** applications, standing out for its hygiene, filtration level, and resource savings like water and energy.

FILCHEM Glass Filter Media, from the house of FIPL is exclusively made from contaminant-free high quality glass, making it the product that fully complies with the high standards of quality and safety, the most demanding in the field of water filtration for human consumption.

For this reason, and due to its precise calibration that delivers an outstanding filtration performance, it is the ideal filtration media for industrial operations where hygiene and performance are a priority.



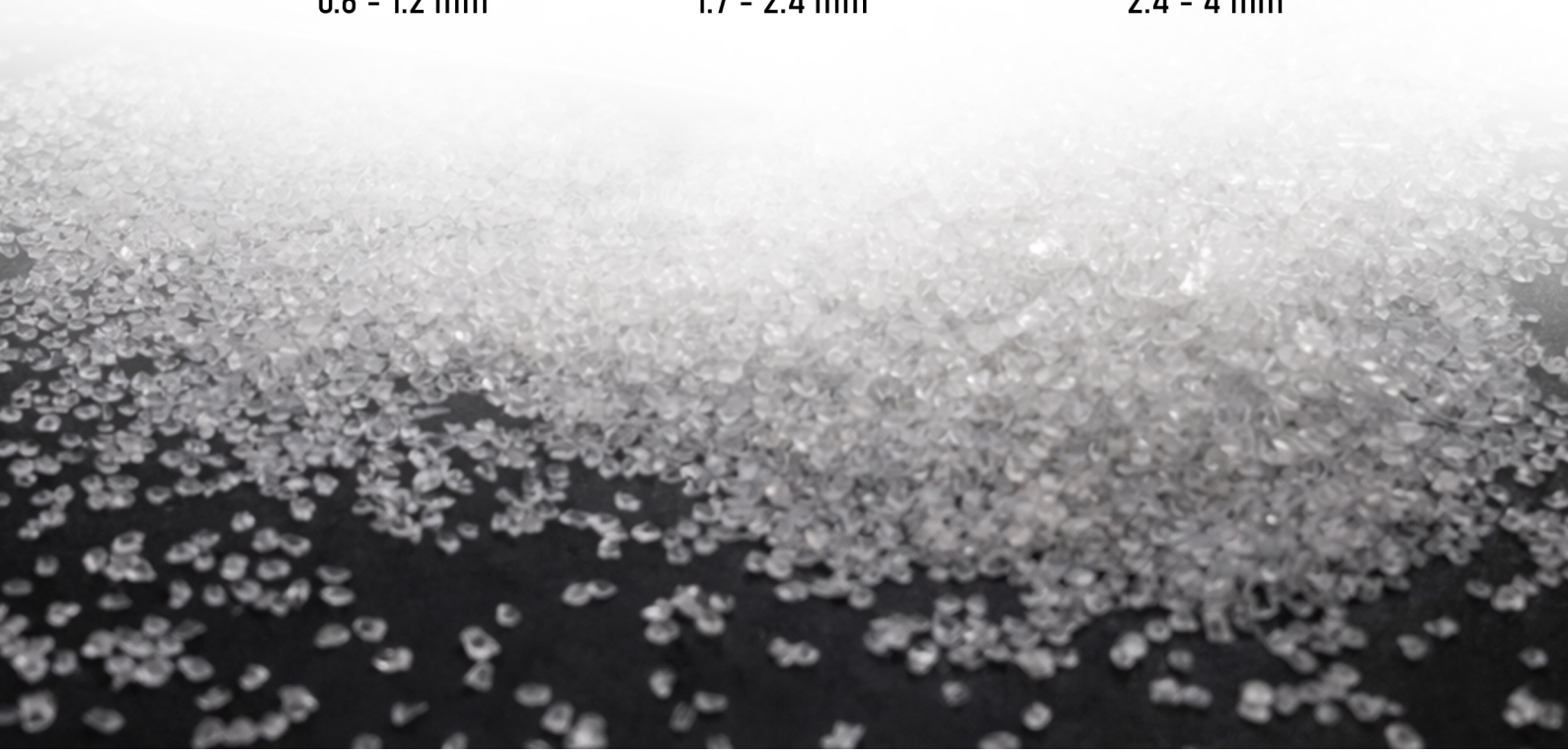
Grade 1
0.6 - 1.2 mm



Grade 2
1.7 - 2.4 mm



Grade 3
2.4 - 4 mm



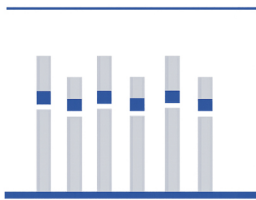
KEY ADVANTAGES



Prevents bacterial growth and channeling in the filter bed



Filters particles down to 1 micron without flocculation



Delivers stable filtration performance and outlasts all other filter media



Offers substantial energy, water and chemical savings



Lasts upto 3-5 times longer than silica



Improved flowrate as there is no channelling

KEY APPLICATIONS



Pre-Treatment
Before RO



Wastewater
Treatment



Aquaculture

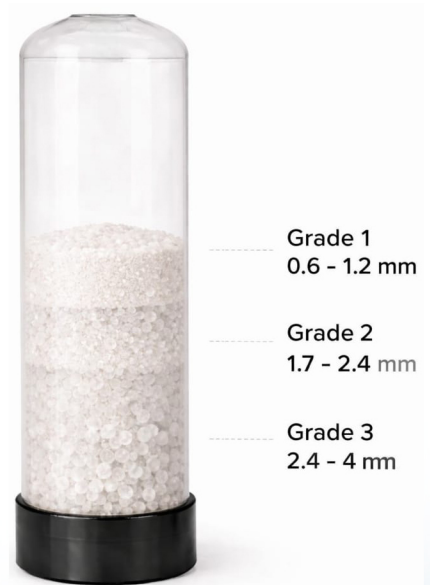


Cooling Towers



Swimming Pool

- 1 Innovative and cost effective water treatment solutions
- 2 High turbidity removal with great efficiency in Waste water
- 3 Healthy and productive aquatic environments and acquaculture practices
- 4 Turbidty removal in cooling tower recirculation water
- 5 Crystal clear water and healthy air for private and public swimming pools



WHY FILCHEM GLASS MEDIA

Pre-treatment before MF/UF and reverse osmosis (RO) systems is a critical process step where FILCHEM GLASS MEDIA significantly improves the economics, sustainability and operation of membrane systems.

- ◆ Reduces SDI Up to 50%
- ◆ Significantly reduces RO membrane fouling through superior $> 1\mu\text{m}$ particle removal
- ◆ Self-sterilising surface highly reduces RO membrane biofouling potential
- ◆ Reduces RO pre-treatment chemicals dosing
- ◆ OPEX savings: reduced exchange go cartridge filters
- ◆ Guarantees a stable RO membrane performance & increases membrane lifetime
- ◆ Unlike conventional sand media, FILCHEM GLASS MEDIA have no tendency to hold dirt while backwash, so best possible backwash while using this media
- ◆ NO CHANNELING – Due to angular high surface area, efficient water flow



Drinking water filtration:

Our glass media ensures maximum purity and water quality, eliminating particles and contaminants with superior efficiency, contributing to public safety and health.

Wastewater treatment:

It improves efficiency in the removal of contaminants and particles, optimizing system performance and meeting environmental standards.

- ◆ **Side-stream filtration in cooling towers:** Reduces sediment buildup and improves system efficiency, extending the life of equipment and lowering maintenance costs.
- ◆ **Swimming pools and aquatics:** Offers an efficient solution for maintaining water quality in pools, spas, and other aquatic facilities, enhancing the user experience and reducing operating costs.

FILCHEM GALSS MEDIA

Premium Filtration Solution vs Traditional Sand Media

Feature	Filchem Glass Media	Sand Media
Filtration Efficiency	Ultra-fine filtration up to 5 microns	Standard filtration 20-30 microns
Media Composition	100% recycled glass, non-porous	Natural silica sand, porous
Bacteria Resistance	High - inhibits biofilm formation	Low - supports bacterial growth
Backwash Frequency	Low - saves water and energy	High - frequent cleaning required
Media Longevity	10-15 years	3-5 years
Water Savings	Up to 50% reduced backwash water	High water consumption
Water Clarity	Crystal clear output	Standard clarity
Operational Cost	Low lifetime cost	High maintenance cost
Environmental Impact	Eco-friendly recycled material	Resource intensive mining

Upgrade to Filchem Glass Media and experience superior filtration, longer media life, reduced water consumption, and outstanding water clarity – the premium choice for modern filtration systems.

Filchem - Premium Filtration Solutions





Workshop: 14-15, Panchratna Industrial Estate, Opp Satyam Mall, Sumip Composite-3 Lane, B/h VR Pilsulfate, Changodar-382213
Office: B-214, Nilkanth Palace, 100 feet Anandnagar Road, Satellite, Ahmedabad-380015
Phone: 9227418504/7227061661 | Email: sales@fiplco.com | Website: www.fiplco.com