ACTIVE CLEAR GLASS

Activated glass filter media

			% VOLUME OF THE FILTER BED	
	Code	Range	Filter D < 900 mm	Filter D > 900 mm
Range 1	57011	0,50 - 1,00 mm	80%	60%
Range 2	57012	1,00 - 3,00 mm	0%	20%
Range 3	57013	3,00 - 7,00 mm	20%	20%



www.astralpool.com

AstralPool is a brand of:

FLUIDRA GROUP



ACTIVE CLEAR GLASS

AstralPool launches the new activated glass filter media Active Clear Glass

The new product has the following benefits:

1. More efficient and environmentally friendly filtration.
2. Greater filtration capacity.
3. Water and energy savings.
4. Cleaner filter bed as bacteria does not remain trapped and fewer chemical products are needed.

Active Clear Glass complies with standard UNE EN 12902:2006

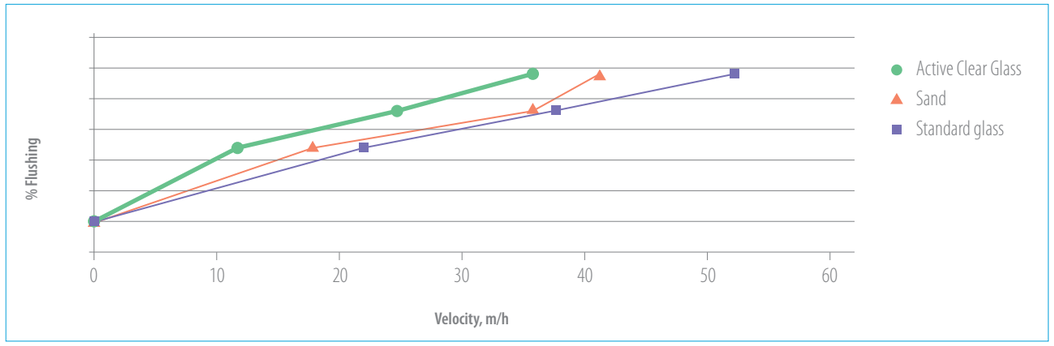
To prove the efficiency of **Active Clear Glass** tests were run in an external laboratory (CTM Centre Tecnològic, Project PR13/0118, OT 105SATA13) to compare materials, after which the following conclusions were reached:*

- Sand
- Standard glass media (not activated)
- Activated glass media (Active Clear Glass)

* These conclusions only apply to the experimental test conditions. Variations may be observed in the results of conditions change substantially.

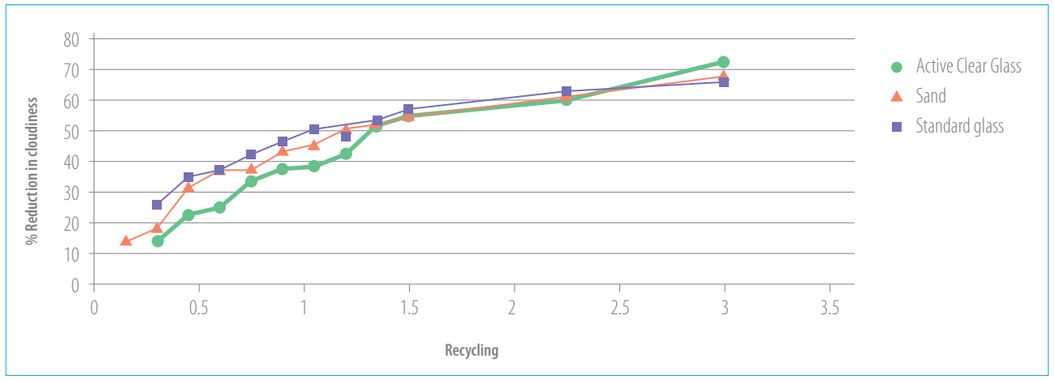
FLUSHING the filter media

In filtration systems with a filter media, backwashing must be performed when the water pressure drops to a certain level. Normally, backwashing this media involves flushing the filter bed so that the particles retained inside it are released from the media.



Active Clear Glass requires less water flow (up to 50% less consumption than sand filters) to flush the bed compared to a standard glass filter. The activated glass system will mean that less water is required for backwashing under certain conditions.

QUALITY of filtration



The results obtained show that **the final quality of the Active Clear Glass filter is better than a sand filter.** In the activated glass filter, the final quality of filtration reached 1.5 NTU after one hour in operation under test conditions. After working for one hour, the cloudiness of the water filtered through the Active Clear Glass system fell by over 90%.

Comparative table of current filter media

MATERIAL	FLUSHING	QUALITY OF FILTRATION	RECYCLING
Sand	🔴	🔴	🟡
Standard glass	🟡	🟡	🔴
Active Clear Glass	🟢	🟢	🟢

FLUSHING: Water flow required for backwashing filters.
QUALITY: Final level of cloudiness reached using an equivalent sample.
RECYCLING: Number of times water has to be renewed.

The results in this table are based on the previous experiences of different users.