

Technical Datasheet	<i>Aqua-volcano</i> according to EN 12906	QMS-No. GBT15111
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General

Aqua-volcano is a porous, lightweight filter medium of volcanic origin. Its rough surface makes it very well suitable for filtration of all kinds of water carrying suspended solids.

Filtrerruns between 2 backwashings are up to 10 times longer in a dual media or three media filter, compared with single layer sand filters, while there is an improvement of the water quality as well. Besides, there are enormous savings of backwash water.

Applications

Filtration

- for removal of suspended solids,
- of surface- and well-water,
- of coagulated water,
- to protect Activated Carbon Filters, Ion-Exchangers and Reverse Osmosis Membranes against impurities,
- of swimming-pool water,
- of condensate,
- of waste water,
- of mill scale-laden (recycle) water.

Chemical analysis

		Average figures	EN 12906
SiO ₂	mass-%	60	55 - 75
Al ₂ O ₃	mass-%	23	10 - 25
Fe ₂ O ₃	mass-%	2	< 2
CaO	mass-%	2	< 2
K ₂ O	mass-%	3	< 10
Na ₂ O	mass-%	6	< 10

Physical characteristics

		Average figures	EN 12906
Density	g/cm ³	2.4	> 2.3
Bulk density	kg/m ³	320	300 - 650
Acid solubility	mass-%	< 2	< 5

Shape Porous, smooth surface, irregular to round.
Sizes available 1.5-2.5 mm and 2.3-3.4 mm.
 Other sizes to all international standards upon request.

Packaging

50 L PE or paper bags, palletised, wrapped.