

The SBM (Sand support & Back flushing module) is a new module, developed by Trislot in cooperation with a water production company, used in a sand filter for water treatment.

SBM

Module for Sand Filter

Description of the SBM

An air distribution system is fixed on the bottom of the vessel. The screens (with the unique anti clogging working of the V-wire profiles) come on top of these and support the sand bed.

Sand filtration is frequently used and is a very robust method to remove suspended solids from water. The filtration medium consists of a multi layer sand bed with a variety in size and specific gravity. The SBM can be supplied in different sizes and materials.

Applications

- Production of drinking water
- Filtration in swimming pools
- Treatment of waste water
- Preparation of cooling water
- Pre filtration for membrane systems

A special application of a sand filter is the removal of iron in surface, ground or well water.

An iron removal installation consists of a aeration to oxidise and precipitate the iron and manganese, followed by removal of the precipitated particles with the sand filter.

When the filter is loaded with particles, the flow direction can be reversed and the flow rate is increased to clean the filter. The sand bed can be mixed up by an uniform air flow from the bottom.

Quality Assurance

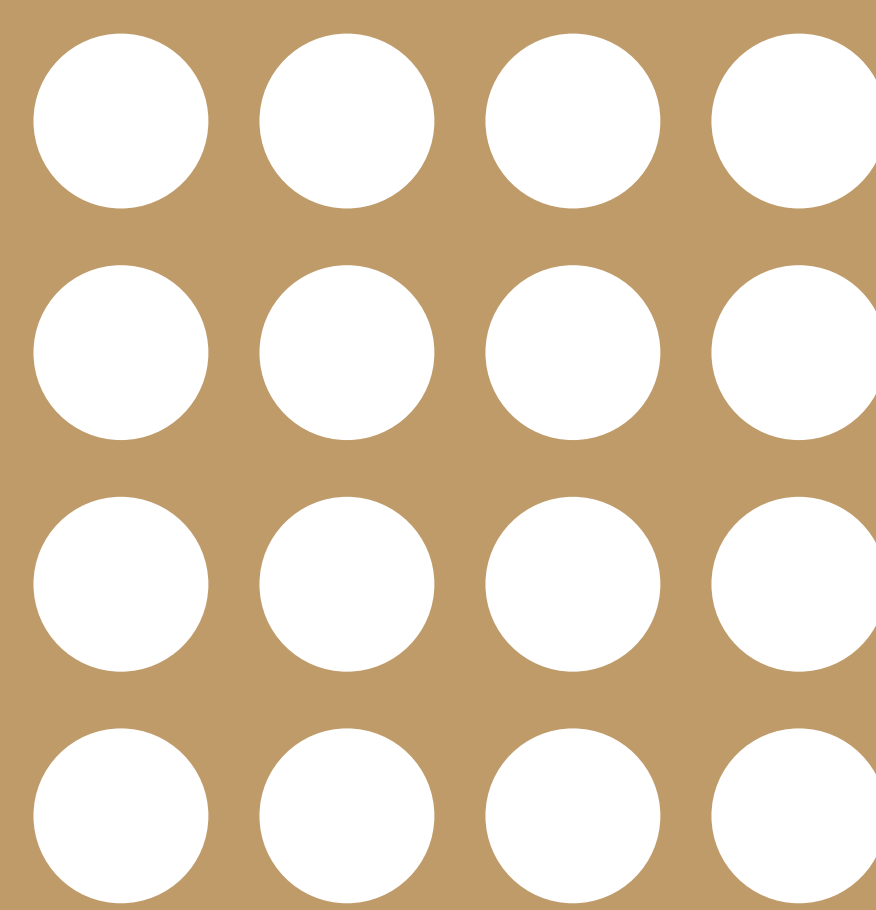
- ISO 9001 Certified
- Trislot focuses on Total Quality Management

Advantages

- Uniform air flow without dead zones
- High mechanical strength
- Custom made solutions (also for revamps)
- Complete stainless steel construction

References

References can be submitted on request and after permission of our customers.



Sand support & Back flushing Module

