

## Automatic Self Cleaning Filter V/s Pressure Sand Filter

Points of Comparison	Automatic Self-Cleaning Filter	Pressure Sand Filter
Type Of Cleaning Operation	On line : Automatic Self-cleaning	Off line : Manual
Filtration During Backwash	Continuous Filtration : Filters during Backwash	Filtration Stops: Filtration stops during Backwash.
Back Wash Cycle Time	Very Short : 1.0 - 1.2 Min.	Very Long : 10 - 15 Min.
Waste Water Per Day	Minimum : 1.5 % of the rated flow per day	Very High : 20 - 30 % of the rated flow per day
Filtration Quality	Consistent : Consistent quality between two Backwash cycle	Inconsistent : Quality disproves over period of time
Foot Print	Very Small : 1.0 X 5.0 X 1.0= 5.0 m <sup>2</sup>	Very Large : 2.0 X 10.0 X 3.0=20.0 m <sup>2</sup>
Maintenance	Low & Short Time : Screen can be easily removed & cleaned physically, with negligible shut down time	High & Long Time : Man power required & Very long shut down time.
Operating Cost	Very Low : As no man power required & very low back wash water	Very High : Manpower required for operation & high quantity of water required for backwash

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