



ZEOSAFE - SAND FILTER AUTO is fully automated sand filtration system to make your water usable by treating the coarse sediments, particles, suspended solid matters, and substances causing blurriness in the water.

ZEOSAFE - SAND FILTER AUTO removes turbidity & suspended matter in raw water which enhances the performance of softener & larger RO systems.

ZEOSAFE - SAND FILTER AUTO system uses ZEOSAFE® (High Quality Zeolite Based Filter Media) which increase filtration capacity by 3 times, filtration quality, saves water and energy during backwash.

ZEOSAFE® is the only high-efficiency zeolite-based filter media that has been chemically pre-washed to optimizes the quality of its performance. Our ZEOSAFE® filters can be designed and operated at twice the flow rate of the sand and anthracite filter therefore, it can reduce the filter area by up to 50% and the capital cost of the filtration system by up to 40%.

Key Component of ZEOSAFE - SAND FILTER AUTO

ZEOSAFE® (High Quality Zeolite Based Filter Media), Auto Multi Port Valve and Media Holding Vessel

Technical Specification

MODEL	ZS 600	ZS 1000	ZS 1200	ZS 2500	ZS 3500	ZS 4500
Water Flow Rate	600 LPH	1000 LPH	1200 LPH	2500 LPH	3500 LPH	4500 LPH
Connection size (Inlet-Outlet-Drain)	¾ inch / 20 NB	¾ inch / 20 NB	¾ inch / 20 NB	1inch / 25 NB	1inch / 25 NB	1inch / 25 NB
Input water pressure	1.5 to 3.5 kg/cm ²					
Operation	Auto					
Cleaning	Auto (No manual involvement)					
Filter Media	ZEOSAFE® (High Quality Zeolite Based Filter Media)					
Operating Input Voltage	100-240V/50-60Hz					
Process Valve – Auto	Fully programable automatic valve powered by 12V DC / 1.5 - Amp adaptor					
Suspended Solid Reduction	More than 90%					
Turbidity Reduction	More than 75%					

Features of ZEOSAFE - SAND FILTER AUTO

- **Time controlled automatic operation ensures proper back washing of filter to provider consistent water quality**
- **Fully Automatic operation with Minimal maintenance and service requirements**
- **Capability to monitor all back wash stage on the digital screen**
- **High quality ZEOSAFE® optimizes the quality and performance of filtration system**
- **Saves upto 70% more water and energy in back washing**
Being a material 50% lighter than silica sand requires a lower flow of water to fluidize and release the retained solids causes saving of backwash water and pumping electricity.
- **Best in class Filtration upto 3 Micron**
Silica sand retains particles down to a minimum of 20 microns while ZEOSAFE® retains particles down to 3 - 5 micron, which increases the quality of filtered water.
- **Small Size, High Flow, Best Flow , Best Filtration**
ZEOSAFE® Filter media increase surface area ten time compared to sand. Silica sand filters water only between the grains, while each grain of ZEOSAFE® retains particles in its grains and between its cavities.

* NOTE – Minimum 1.5 kg/cm² water pressure is required for ZEOSAFE - Sand Filter Auto operation. Pressure drop of the ZEOSAFE - Sand Filter Auto at specified flow rate is around 0.5 to 0.6Kg/cm².