



SS FILTERS PVT. LTD.  
THE TRUST FOR PROGRESS & INNOVATION

# Radial Edge Water Filter (REWF)

## Regenerative Filtration System for **RAW WATER, POOLS, COOLING WATER & WASTEWATER.**

**A sustainable and energy efficient system for improved water quality and ease of water filtration.**

REWF is a special perlite regenerative filtration system that is characterized by its capacity to filter particles up to 1 micron and low backwash requirement offering an exceptional water quality together with important savings in the consumption of water, energy and chemicals and installation space



## REGENERATIVE MEDIA FILTRATION

Sand filters, Micron Filter Cartridges & REWF operate on the principle of mechanical filtration. Sand filters trap particles in water throughout the depth of their bed. When the bed becomes dirty, it is cleaned by backwashing, a process that sends considerable amounts of water to drain. Filter cartridges trap particles in water along its depth. And once the cartridges are choked, they have to be replaced which requires a lot of manual labor & consumables.

**REWF** trap particles on the edge of the filter candles coated with perlite media. When the perlite becomes loaded, REWF regenerates by pulsing compressed air, a process in which no water is lost. In addition to providing superior 1 vs 10 to 20micron particulate removal, REWFs significantly reduce the amount of water sent down the drain.

Replacement of filtration medium is quick & simple through a conical funnel at top of the filter housing. You just have to unload the filter powder in the filter housing through the funnel which is carried out by a single operator and takes from 5 to 15 minutes.

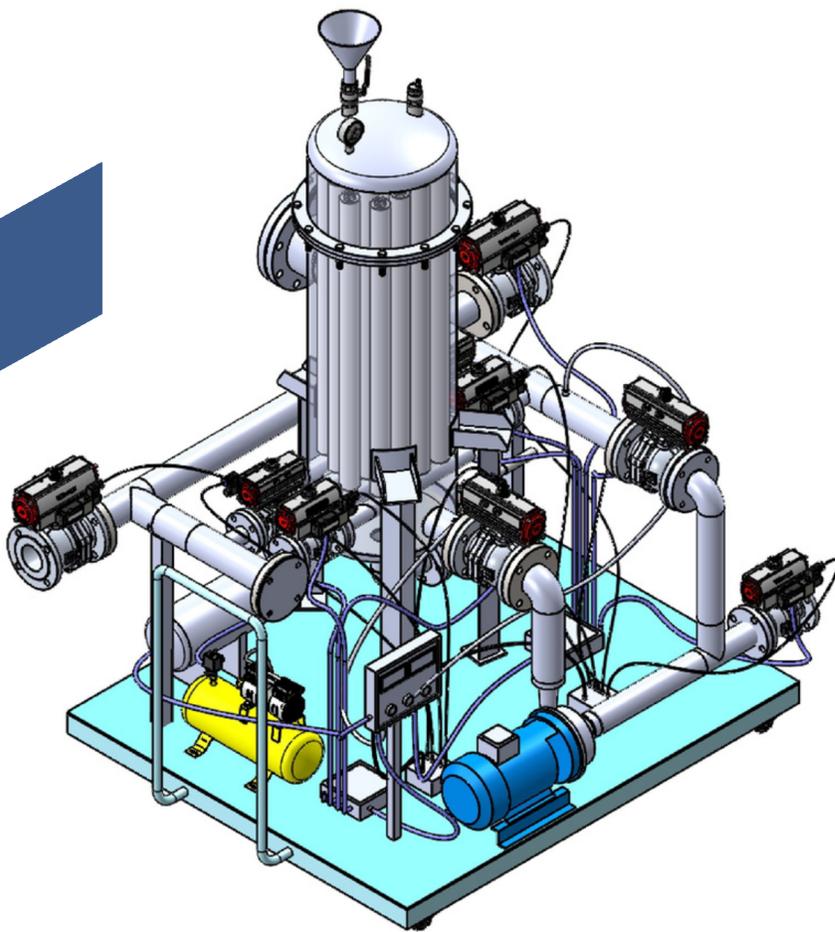
Zero waste is generated as you don't have to throw away the used filter cartridges as in conventional cartridge filter system.



SS FILTERS PVT. LTD  
THE TRUST FOR PROCESS FILTRATION '11

## Regenerative filtration:

- Captures particles up to 1µm
- Increase in water transparency
- 90% reduction in water consumption
- 50% less energy consumed
- 75% less spaced required
- 30% less chemicals
- Reduction in filter maintenance time



## SYSTEM CONTROLLER

REWF operations are controlled through a fully auto-Matic high resolution LCD control panel. Crisp real-time graphics depicting system status, user-friendly on-screen menus and touch-screen navigation make operation simple and intuitive

## Monitoring & control access:

- Installation monitoring
- Process control and automation
- Optimization of filtration and treatment

## UP TO 50% IN ENERGY, FUEL AND CHEMICAL SAVINGS

Eliminating backwashing translates into significant operational savings. Consider the money that can be saved by not re-heating and chemically re-treating all the water sent down the drain. REWF also operates at lower head pressures, reducing power demand and electrical costs.

## UP TO 90% WATER SAVINGS

Nobody likes backwashing. With REWF you don't have to! REWF automatically regenerates media for a fresh start without wasting water to drain.

- Reduces footprint and operating weight
- Eliminates backwash holding tank
- Requires smaller waste line to sewer
- Addresses backwash flow rate restrictions

## UP TO 50% SPACE AND CONSTRUCTION SAVINGS

Running out of space in your mechanical room? The footprint of REWF can be up to 50% smaller than equivalently sized sand filters, saving both space and construction costs



SS FILTERS PVT. LTD  
THE TRUST FOR PROCESS FILTRATION '11

9820072995 | 9136925894

www.ssfilters.com