



Filtro regenerativo / filtre régénératif

# Atecpool Reg-X Filter

## Regenerative Filter

### The next generation of filtering systems

Próxima generación para sistemas de filtrado / Nouvelle génération pour les systèmes de filtrage



Save Money



Easy touch



Patented Technology



Silent Operation



### The Green Way to Filter Water

El método verde para filtrar agua  
La méthode verte pour filtrer l'eau

# Atecpool Reg-X Filter Regenerative Media Filter

Atecpool Reg-X  
Filtro Regenerativo

Atecpool Reg-X  
Filtre Régénératif

Atecpool Reg-X Filter  
Regenerative Media Filter



The Reg-X Regenerative Media Filter uses patented technology to uniquely provide 1 micron filtration performance, compared to the 30-40 micron particles removed in traditional sand filters. Reg-X Regenerative Media Filter is unique filtration technique based on a patented technology. Saving more water, chemicals, energy, and space compared to traditional sand and glass filters.

Reg-X Regenerative Media Filter traps particles on the surface of its flexible tubes, coated with micronized perlite media, during the filtration cycle. When the perlite becomes loaded, Reg-X triggers self-cleaning mechanism, a completely automated process avoiding complicated cleaning and maintenance operation, unlike similar

regenerative filters in the industry. Reg-X stands for filtration performance to 1 Micron to provide the best water clarity and energy, water and space savings.

Reg-X manufactured by REGFILTER, made in Spain, is unique in delivering the best water quality, filtering particles down to 1 Micron. 96% water savings during backwash and thanks to the autimatized self-cleaning mechanism, avoids all manual cleaning and maintenance for Reg-X filters.

## Atecpool Reg-X Filter Specifications

- Built in Fiberglass Reinforced Polyester (FRP). PN2.5.
- Hoses made with AISI316 stainless steel core covered with high tenacity polymer fiber. EPDM gaskets.
- Patented automatic self-cleaning and rinse system.
- Patented automatic active perlite regeneration system without vibrations or impacts.
- Automatic perlite coating system.
- Control panel with SIEMENS S7 PLC, display and control screen (HMI SIEMENS 7"), instrumentation and sensors.
- Supply of high performance blower pump for regeneration system, and a vacuum machine for perlite loading.
- Polyethylene strainers for self-cleaning and regeneration systems.
- 2-year warranty against manufacturing defects.

## Atecpool Reg-X Filter Specifications

Model	Diameter	Weight	Volume	Filter Area	Minimum Flow rate	Minimum Filter rate	Maximum Flow rate	Maximum Filter rate	Perlite Weight
	(mm)	(kg)	(l)	(m <sup>2</sup> )	(m <sup>3</sup> /h)	(m <sup>3</sup> /h/m <sup>2</sup> )	(m <sup>3</sup> /h)	(m <sup>3</sup> /h/m <sup>2</sup> )	(kg)
RF-PRFV-620	620	110	450	14.2	36	2.5	64	4.5	4
RF-PRFV-750	750	160	675	21.8	54	2.5	98	4.5	6
RF-PRFV-900	900	210	1,000	31.6	79	2.5	142	4.5	9
RF-PRFV-1050	1,050	275	1,375	50.1	125	2.5	225	4.5	15
RF-PRFV-1200	1,200	320	1,850	64.8	162	2.5	292	4.5	18
RF-PRFV-1400	1,400	450	2,625	90.7	227	2.5	408	4.5	27
RF-PRFV-1600	1,600	600	3,425	114.3	286	2.5	514	4.5	32



### RF-PRFV-1200

Flow rates between 162 and 292 m<sup>3</sup>/h at between 2.5 and 4.5 m<sup>3</sup>/h/m<sup>2</sup> filter rates



### RF-PRFV-900

Flow rates between 79 and 142 m<sup>3</sup>/h at between 2.5 and 4.5 m<sup>3</sup>/h/m<sup>2</sup> filter rates



### RF-PRFV-620

Flow rates between 36 and 64 m<sup>3</sup>/h at between 2.5 and 4.5 m<sup>3</sup>/h/m<sup>2</sup> filter rates

# Atecpool Reg-X Filter Regenerative Media Filter

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Control Panel for  
Atecpool Reg-X Filter  
Regenerative Media Filter



Easy Touch  
Easy Run



## Control Panel for Reg-X Filters

The entire Reg-X filtration system is automated, in such a way that the maintenance operator only has to press a button for the regenerative filtration system to start working, or to fully automatically empty and clean the filter once the micronized perlite is exhausted.

Regenerations are performed automatically based on elapsed time or system pressure.

A color code indicates the health status of the perlite, allowing better planning of maintenance work.

The 7-inch touch screen is an industrial HMI with simple and intuitive menus, where you can make basic operating changes or access statistics. On the main screen you can see in real time the operation of all the pumps and valves in the system, pressures, flows, etc.

In addition, the remote monitoring system allows access to filter information from any device with an internet connection.



Installation example - Eurocity UK

## Control Panel Dimensions

