

## Advantages to Classic Sand Filters

- ◆ Backwash period is only 3 minutes. This saves water and discharges less water during backwash period (~ 1,0 - 1,5 m3)
- ◆ Less weight, easy to mount. Crane is not required.
- ◆ The collector system consists of unique 55 diffusers. By this way, the entire filter medium serves as a filter.
- ◆ Needs small installation area even for big capacities.
- ◆ All of the system is made from CTP synthetic material. It will not suffer corrosion. Can be used in seawater.
- ◆ The system can backwash itself with the water that it has filtered, no backwash pump is required.
- ◆ The filter tank is easily accessible thanks to two service menholes providing easy access.

## Backwash

The filters are fully backwashed completely automatically, and during backwashing, the filters are washed with the filtered water, resulting in a very efficient backwash. The backwash duration of each filter unit is about 90 seconds. Backwash is done automatically depending on the pressure difference between the filter inlet-outlet collectors or according to the time. The control panel takes the tank to backwash mode. Filtered water is used for backwash.

## Standard Features

- ◆ FRP mineral tank body
- ◆ Pneumatic control valves
- ◆ Backwash with differential pressure switch
- ◆ 220 V / 50 Hz power supply
- ◆ Special design lateral diffuser set
- ◆ Input and outlet sampling valves
- ◆ Input and outlet manometers
- ◆ Vacuum breaker

## Working conditions

Working pressure: 1 - 6 bar

Power supply: 220 V / 50 Hz

Working temperature: 2 - 60 °C

### AGF SERIE MODULAR SAND FILTERS TECHNICAL DATA

Model	Flowrate m3/hour				Mineral Quantity (kg)	Dimension	Connection
	Min.	Avg.	Max.	Backwash		LxH (cm)	
AGF 1	12	23	35	30	700	132x199	4"
AGF 2	23	46	70	30	1400	263x199	4"
AGF 3	34	69	105	30	2100	395x202	4"
AGF 4	46	92	140	30	2800	527x202	6"
AGF 5	57	115	175	30	3500	659x202	6"
AGF 6	69	138	210	30	4200	791x202	6"
AGF 7	80	161	245	30	4900	923x202	8"
AGF 8	92	184	280	30	5600	1055x202	8"

