



Automatic Screen filter

DESCRIPTION

- Automatic screen filter is the ideal solution for agricultural and municipal filtration due to its large filtration area, reliable operation mechanism and simple structure.
- It works on differential pressure and cleans itself automatically without any external intervention.
- Due to suction nozzles, cleaning is achieved with little water consumption.
- Simpler controls.
- Greater cleaning efficiency.
- Lower maintenance requirements.

Applications

Primary filtration to remove organic and inorganic materials from agricultural water sources.

FILTRATION METHOD

Filtration starts as the dirty water enters the coarse screen from the inlet. In order to protect the fine filter, large particles are filtered on the coarse filter. Water then passes through the fine filter, particles are captured by the fine filter, and clean water leaves from the outlet. Particles gradually accumulating on the fine filter, increases the pressure difference. Once the pressure difference exceeds the preset pressure differential value, filter automatically starts to clean itself.

CLEANING METHOD

Once the pressure difference exceeds the preset pressure differential value, hydraulic control unit opens the drainage valve and the cleaning cycle starts. Particles accumulated on the fine filter, are sucked by the nozzles and the turbine and discharged from the drainage pipe. Thus cleaning operation is achieved. Filtration is not interrupted and Auto Flush® continues filtration during the cleaning cycle.

Specifications

- Minimum Operating Pressure 2.5 bar.
- Maximum Operating Pressure 8 bar.
- Differential pressure (DP) = 0.5 bar.
- Maximum operating temperature 60 c.
- Cleaning cycle time 15-22 sec.
- Filtration area 4500 cm².
- Standard filtration degree 130 micron.

MODELS

Model code	MFAHS100	MFAHS120	MFAHS160	MFAHS180
Maximum flow rate (M3/Hr)	100 M3	120 M3	160 M3	180 M3
Inlet/Outlet	4"	5"	6"	8"