

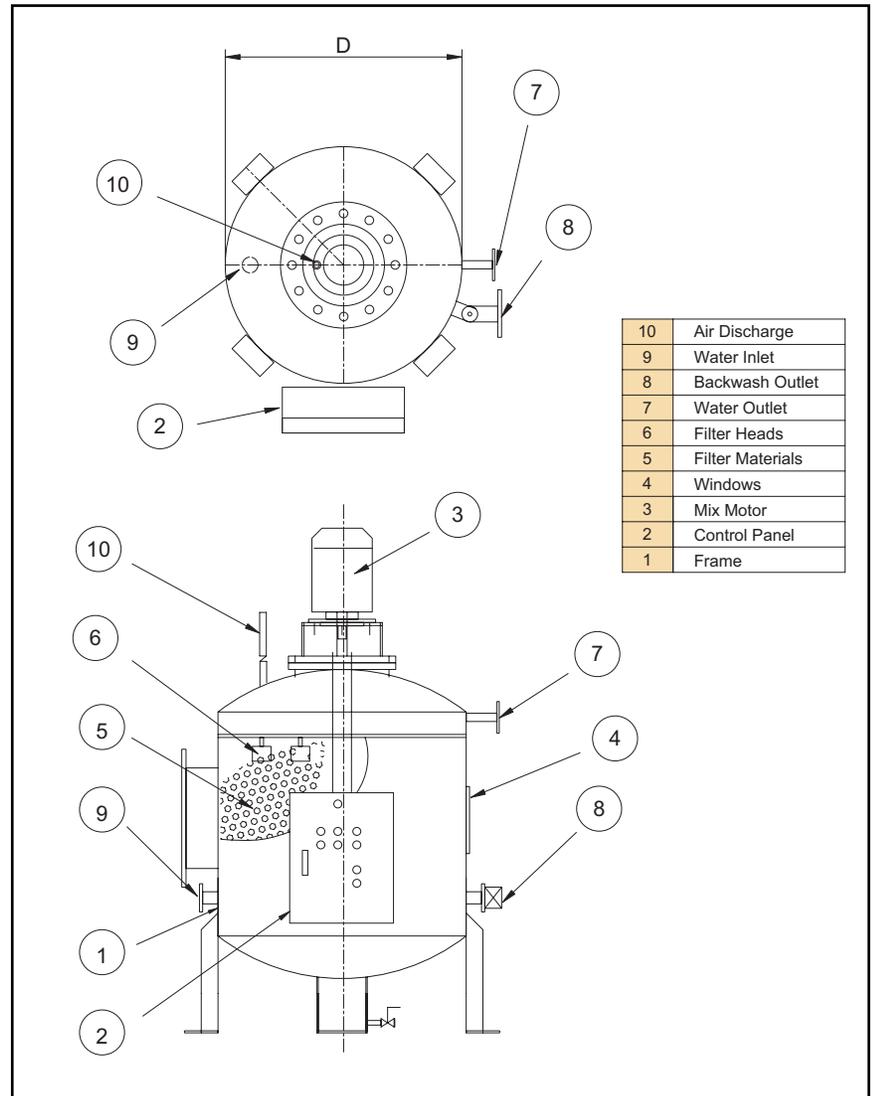


RS-006 Up-Flow Rapid Filter

Up-Flow Rapid Filter

The filtration is achieved while the raw water is feed-in to the device and up-flowed through the floating filter media. The debris and particles are retained, condensed, blocked, captured and filtrated through the filter run. An agitator in the filter tank is operated to stir the filter media layer for backwashing.

Equipment Section Views



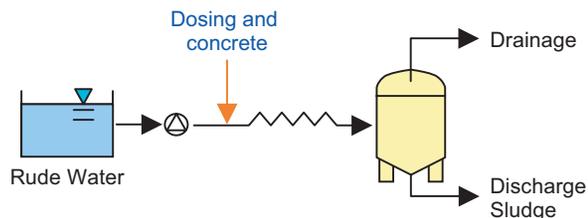
Application

- Industrial processing water treatment
- Cooling tower make-up water treatment
- Industrial wastewater.
- Fountain, gardening, swimming pool water treatment.
- Alternative for sedimentation tanks
- Alternative for conventional filters

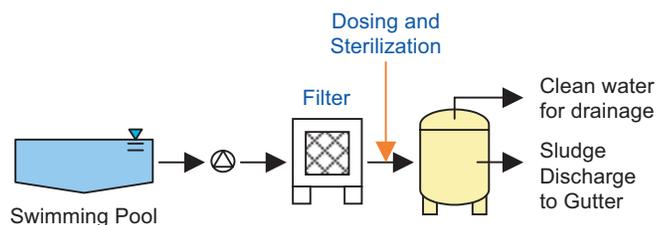
Features

- › High-tech polyethylene resin filter media with uniform factor over 90 and density less than 0.06
- › Custom designed high efficiency up-flow filter media.
- › Durable filter media with lifetime of several years, and minimum abrasion and fragments.
- › Backwash is achieved by mechanical agitation to remove the solids form the filter media. The retained solids are settled to the bottom and removed from the discharge pipe to a collection bin.
- › Extra water backwashing is not required which saves 90% power and water over the conventional filters
- › Easy clean up and replacement of the filter media.

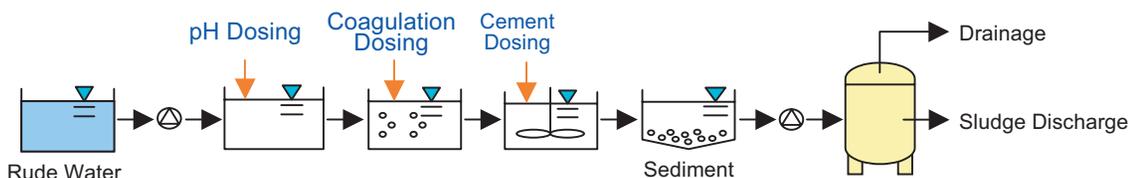
Double Effect (Without Sediment Tank)



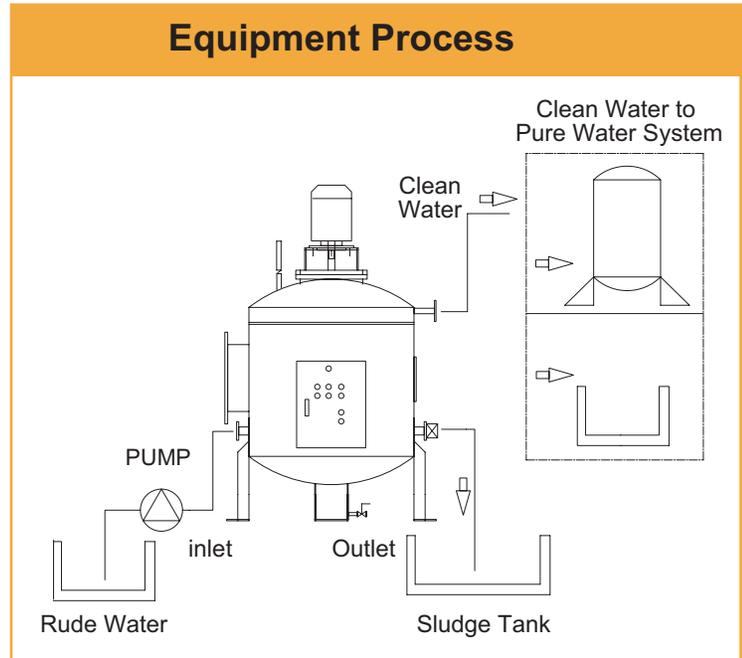
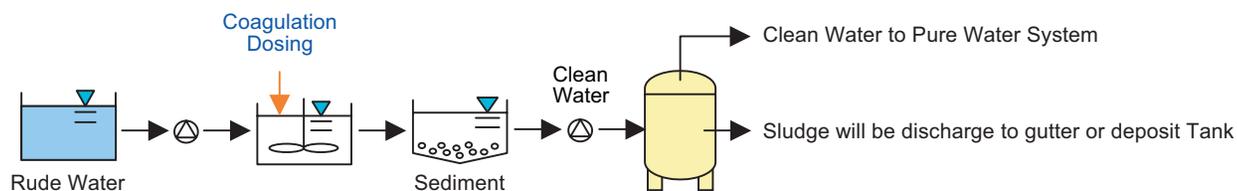
Swimming Pool, Fountain



Industrial Wastewater



Industrial Using Water



Up-Flow Rapid Filter

Specifications

Model	Hy						
	03	06	10	20	30	50	65
Filtrate area (m ²)	0.30	0.63	1.13	2.01	3.14	5.3	6.60
Capacity	7.5	15	25	50	75	130	160
Diameter Ø (m/m)	Ø620	Ø900	Ø1200	Ø1600	Ø2000	Ø2600	Ø2900
Height H (m/m)	2000	2100	2300	2500	2800	3000	3300
Filter Inlet (inch)	1 ½ "	2"	2 ½ "	3"	5"	6"	8"
Filter Outlet (inch)	2"	2 ½ "	3"	4"	6"	8"	10"
Backwash Outlet (inch)	1 ½ "	1 ½ "	2"	2 ½ "	3"	4"	6"
Drainage (inch)	½ "	½ "	¾ "	1"	1"	1 ½ "	1 ½ "
Agitator Power (HP)	2HP	3HP	3HP	5HP	7.5HP	10HP	10HP
Matreial	Customer's Choice of SUS304 or SS-400						

*(1) Power source by customer's request.

** (2) Filter velocity from 25 m/sec to 35 m/sec. Capacity varies, depends on the content of wastewater.

