

DRUM FILTER

Properties

Type of Treatment;

Disposal of solid materials in suspension in liquids by filtration.

- Resistant to sea water
- Super durability against corrosion
- Continuous filtration
- Does not require any pressure
- Atmospheric pressure filtration
- Less water loss
- Easy and rapid filtration
- Filtration of 25 microns-3000 microns
- SS 304, SS 316 stainless steel and polypropylene-manufactured



Capacity (m3/h)	Untill to 4500 m3/h
Filtration Degrees	25-3000micons
Consumed Water of Cleaning	Less than 1% of capacity
Min.working pressure	Atmospheric pressure
Body Material	ss304stainless steel ss316stainless steel Polypropylene
Screen Material	Ss304 stainless steel Ss316 Stainless steel Polypropylene
Electrical Control System	Automatic Electrical Control System



Working Prensible;

Using a flexible mechanism for easy and secured around the cylindrical drum of stainless steel or corrosion resistant to sea water and polypropylene (PP) filter screen, removing the supports can be easily changed. Drum motor is controlled by a level control system.

All kinds of all electric motor connected to the system etc.. individual electrical components such as electrical leakage grounding and earthing of the filter housing is also provided.

Filter system with the help of sensors, flood, water flow volume-increase or decrease the pollution load automatically depending on the work, as well as timers, sensors are connected to the system via the system's perception of how much time he will work to ensure the system is available again.

Thus, the system will check continuously without the need for a personnel system itself, depending on how long the work, and the water level changes are done to protect the system itself.

Accordingly, since it needs the personnel work and power recovery and recycling of electrical power provided.

Automation system;

- Protection for electrical instrumentation and control, and emergency response of different engine sensors.
- Level sensors to control the levels
- Timer
- Preostat system for setting and control of the pumping system.
- Preostat system for setting and control of the drum system.
- Electrical connections of the various uses for power circuits and their assistants.
- Phase change and the voltage drop or rise against the phase circuit breaker,
- The whole system is electrically controlled via dashboard light and sound (alarm) control system provides the desired properties of the system.
- Than the specified flow rate falls below the pump is not running automatic cleaning system 15-30 sec. After the stop and the alarm and alert system is provided.
- If no load on the system will be reduced due to high drum speed 15-30 seconds again. stop himself after receiving a warning and alarm is provided.
- The system will even work if the chain breaks Drum gearmotor 15-30 sec. and the alarm will automatically stop itself again in the warning is provided to give.
- Screen (filter size), only the drum needs to be replaced manually by bringing the system to the electrical panel manual control and ensuring the screen to disable the entire system of replacing give safe provided.

Areas of Application

In the food industry, textile industry, chemical industry, mining industry, cement, glass and ceramics industry, forest products industry, dams, irrigation canals, fish farms, cooling towers, agriculture and livestock sector, the HEPP projects, in short, wherever there is water used in this system is provided .

