

## Universal Automatic Strainers

- From 2" to 52" Size
- Carbon Steel or Stainless Steel Material
- Option of rubber lining for sea water application



Our Universal Automatic Strainer is ideal for application of –

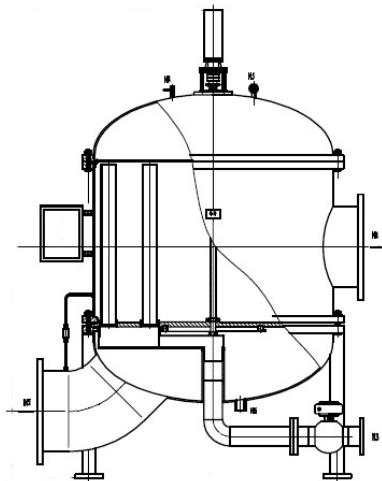
- Filtration application in remote area
- High Solid loading
- Uninterrupted flow ( no work stoppage )

It is also proved to be more efficient and cost effective than –

Simplex or Duplex System  
Backwash System  
Other Automatic Strainers

Benefits

Only one drain/backwash connection is required, save the expense of separate connection



Our Universal Backwashing Liquid Filtration Systems are designed to enable you to perform automatic backwash when the metal elements was clogged up with dirt, so that un-disturb filtration process can be achieved and you are able to free your staff for other operation that help to save your labor cost.

The system consists of multi-tube configuration to allow the off lining backwash cleaning during continuous process

All elements are in SS304 or SS316 material for lasting and reliable service life, design pressure of the system can be up to 50 bars.

Our system can filter up to 5 micron size of particles for very wide range of liquid application from water to chemicals.

The whole system is managed by control system when you can generate the backwash either by timer or differential pressure.

### **Operating Principle**

Our UAS backwash filter are made of cylindrical body of Stainless Steel or Carbon Steel material, installed with high strength Johnson screen or sintered wire filter cartridges as filtration media. Below the plate there is a back-washing arm activated by a driving motor and connected to the automatic discharge valve. The fluid enters the vessel and filtering through the element.

When dirt retained on the surface of the screen reach the setting differential pressure, or after exceeding the set time for backwash, the motor will rotate the suction arm and open the discharge valve at the same time and creating a vacuum effect to clean up the dirt on the screen surface, the each cleaning process takes 30-50 sec, the waste water loss is very minimum.