

## Rotorflush Filter System for Fluid Analysers

### What is It?

It is a self-cleaning filter system, for filtering fluids to 50 microns and supplying it to the customer's instrumentation.

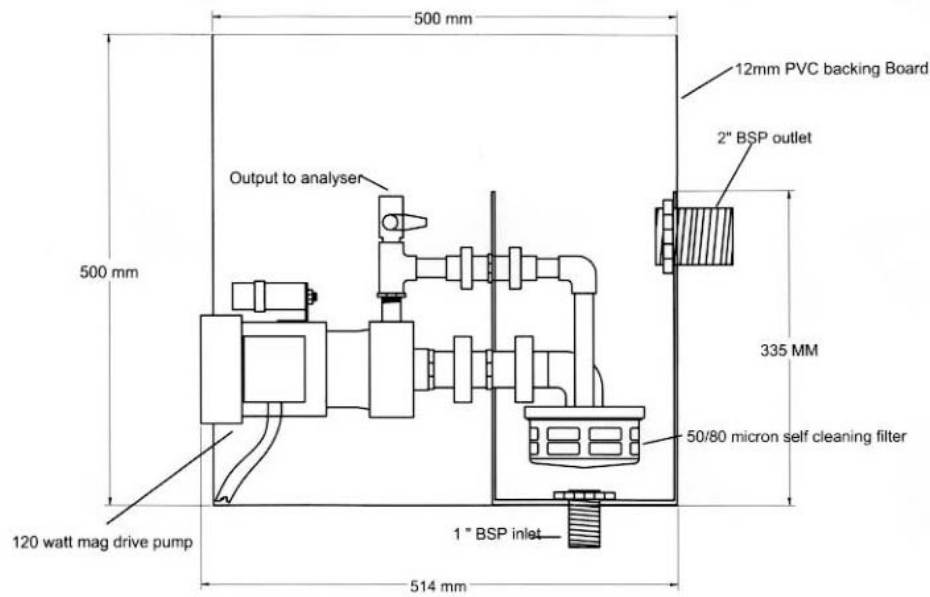
### What is different about it?

This is a very robust system continuously filtering fluids to 50 microns containing up to 2% suspended solids. The pump drives the filter and supplies from 0-20 litres/minute to your analyser.

### How does it Work?

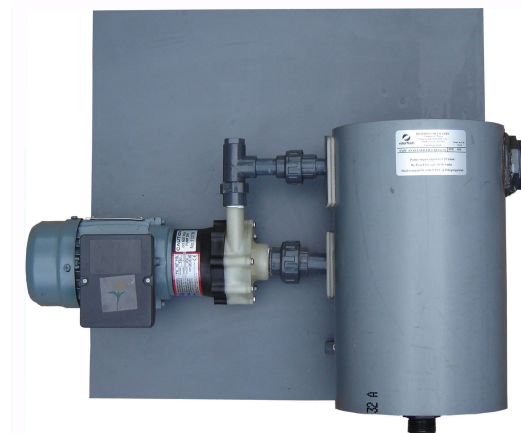
The fluid to be filtered is introduced through the 1" inlet at the bottom of the filtering chamber. Most of the liquid exits through the outlet and is sent back to source. The filter head has an internal backwashing rotor that continually cleans the filter screen.

The fluid flows from the outside of the filter head through a 50-micron nylon mesh. The pump sucks fluid from the inside of the filter head and a proportion is returned to the internal cleaning rotor. The remaining filtered fluid is sent to the analyser. This is adjustable from 0-20 l/minute.



### Maintenance

Maintenance intervals depend on the fluid being filtered. For example with sewage final effluent we advise that the filter head is manually cleaned every 6 months whereas with more difficult fluids e.g. white water from the paper industry, monthly cleaning may be required. Maintenance is quick and simple: withdraw the filter head by unscrewing 2 unions and replace the filter cage, (we supply a spare with every unit.) The contaminated filter cage can then be cleaned when convenient.



### Vital Statistics

- The system is wall mounted
- Pump - mag drive, pump head polypropylene
- Filter head - polypropylene, acetal with nylon filter screen
- Backing board - PVC
- Filter chamber PVC
- Pump available in 230v 50hz and 115v 60hz
- Maximum current draw 0.98 amps