

# Intake CMS Filtration System

## DESCRIPTION

The CMS is a fully integrated filtration system for the 3S online analyzers. The system is indicated for the filtering of industrial or municipal wastewaters, due to the periodic backflush the filter has good performances even with waters containing a high level of suspended solids, like in biological oxidation tanks.

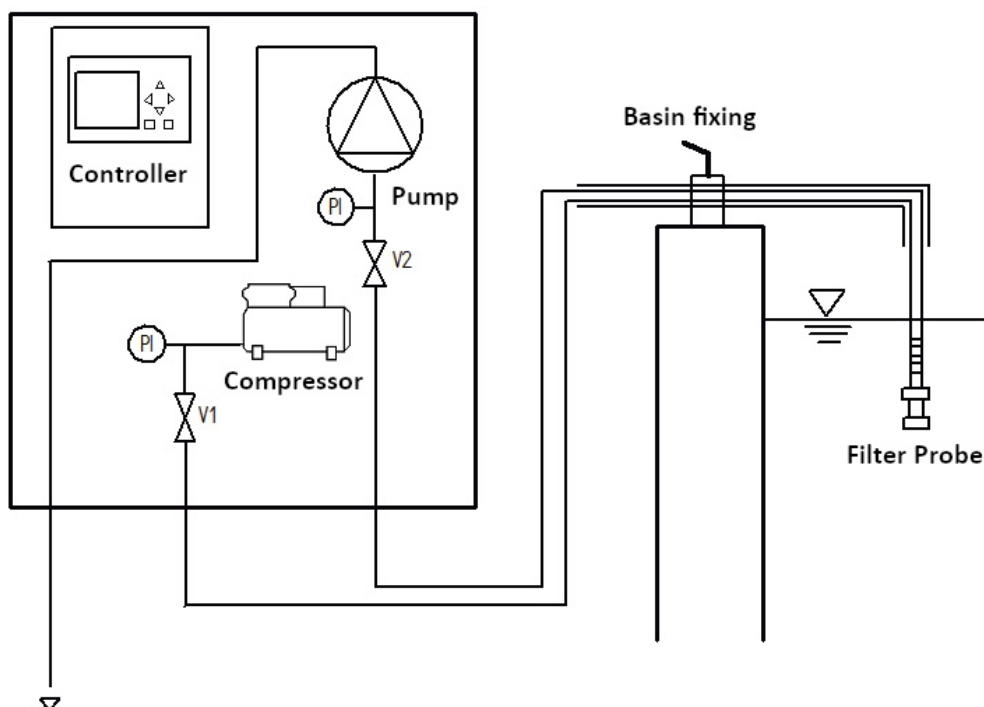
The system is compact therefore easy to install directly on the sampling point of streams or basins. The sampled liquid is pumped directly to the overflow vessel of the analyzer guaranteeing a fast analysis sequence with minimal delay.

The filter probe can be removed easily for the periodic manual cleaning, which is done only sporadically due to the backflush with compressed air.

Both the cabinet and the sampling pipe can be heated for winter, outdoor operation.



## SCHEMATIC



## TECHNICAL SPECIFICATIONS

Power Supply	Customer must specify 110 VAC, 230 VAC
Cabinet Material	PVC
Filter Element	Stainless Steel
Power Consumption	350 W (heating excluded)
Filter Mesh	5 - 200 $\mu\text{m}$
Filter Area	10 $\text{cm}^2$
Cleaning Interval Period	10 minutes
Dimensions (H x W x D)	600 mm x 600 mm x 200 mm (15.7 in x 23.6 in x 7.9 in)
Weight	22.9 kg (50.5 lbs)
Filter line - Pump Connection	PE O.D. 4 mm (protective hose 25 mm O.D.)
Cabinet - Analyzer Connection	PE O.D. 4 mm (1.5 m)
Sample & Ambient Temperature	5 – 55 °C (41 - 131 °F)
Backflush Cleaning Pressure	max 6 bar
Sample Outlet Flowrate	200 – 500 ml/min

## ORDERING INFORMATION

- A46VF1000 INTAKE FILTER CONTROL UNIT, UNHEATED, 230V
- A46VF2010 SUCTION LINE, 10 m, UNHEATED
- A46VF3010 PRESSURE LINE, 10 m, UNHEATED
- A46VF1005 FILTER / POROSMET 5  $\mu\text{m}$
- A46VFCLE FILTER CLEANING - LABORATORY KIT

