



Innovation in Environmental & Process Technology

For all your water & waste water monitoring needs

Vortex Ultra Filter

Low maintenance sample preparation for on-line analysers

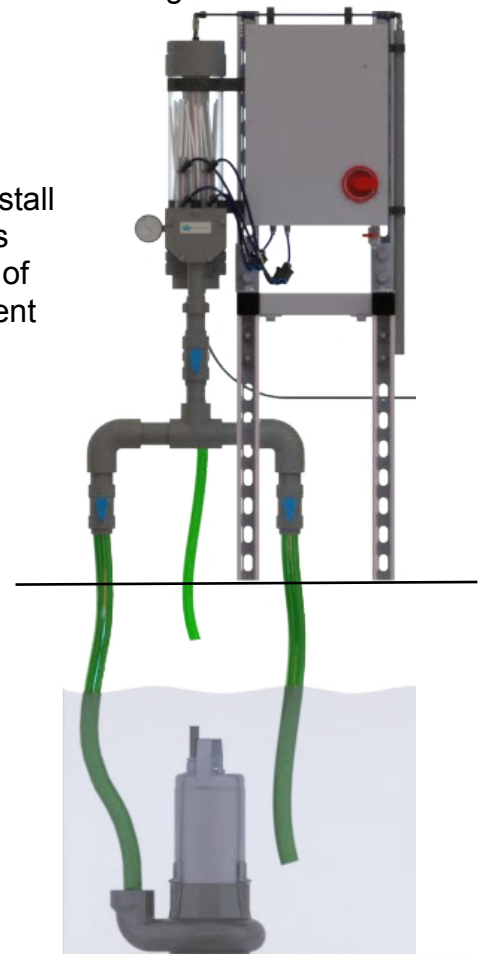


Transmitter & Cleaning Compressor can be installed

Features :

- Advanced Ultra filtration membrane technology
- Vortex flow cycle adjustable to effluent solids content
- Options for 24v dc compressor and supply
- Flow rates up to 120 mm/min - can supply multiple analysers
- Flexible install options within different size weatherproof housings

Flexible Install Options for ease of deployment



Hollow Fibre Filaments - kept Clean with alternation flow & Scouring action

Contact us for more info:

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System Operation

Operational Principle	Alternating vortex, cross flow, hollow fibre filament ultra filter
Filtrate Output	Output up to 120 ml/min
Filtration	To Below 0.05 micron
Membrane pressure	0.1 to 0.6 bar
Temp Range	5 to 35oC
pH Range	3 to 11
Timing	Vortex flow cycle adjustable to effluent solids content
Maintenance	Transparent body for easy cartridge inspection
Air Compressor	Supplied to activate vortex flow cycle - 24v dc or 110 / 230 vac Options ; autodrainng low maintenance
Options	Membrane auto-backwashing using caustic wash in extreme fouling

System Physical Specification

Construction	Dimensions (h x w x d)	327x 270 x 297 mm
	Weight	5 kg
	Materials	PVC, backpanel mounted
	Environmental	-5 to +45oC
	Weather Protection	Ip 54 - supplied in Weather proof housing
Flow Input	Submersible Pump	7 m3/hr
Pipework	1" PVC supply couplings	Standard socket connections
Air supply	Pressure regulator	Max 6 bar air supply
	Data Storage	SD Card and USB
Power requirements	Supply Voltage	24v dc / 115 or 230v AC (option) at 50/60 hz
	Load	10w max
	Immunity to V change	En 50022

Cartridge Assembly Specification

Construction	Dimensions (h x d)	320 (mm) x 60 (mm)
	Weight	0.5 kg
	Materials	PVDF with hollow filaments
Maintenance & Operational Life	Typical Applications Effluent Inlet / Outlet	2-3 year operational life depending on application and
Process Conditions		All Sewage liquors / Industrial Effluents / RAS / River Water / Portable water supply

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