



ENVIRO Range – Standard Laboratory Acid Fume Scrubbers

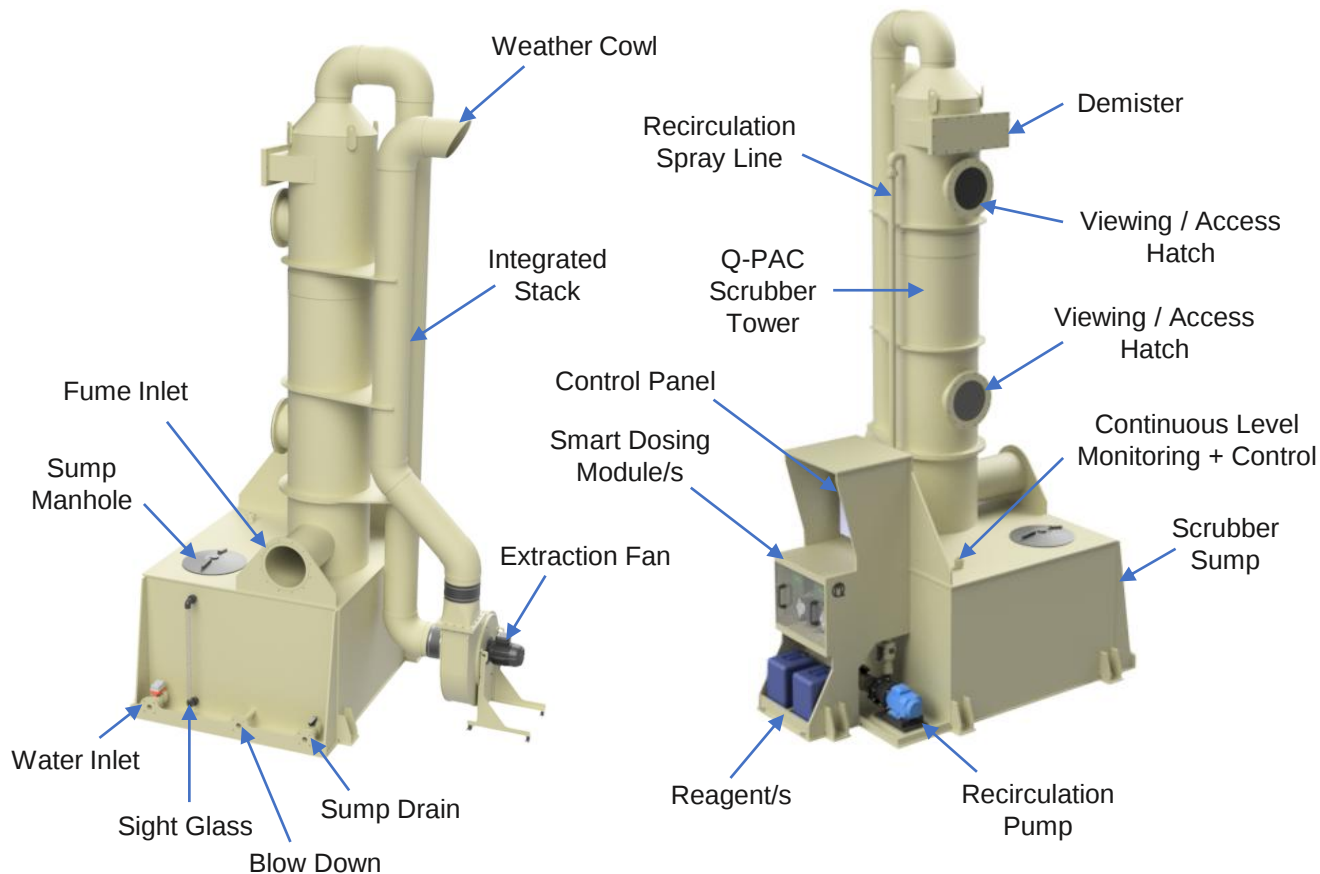
Modulab's ENVIRO range of laboratory acid scrubbers are specially designed for the removal and neutralisation of acid fumes extracted from laboratory fume cupboards. There are four models available, depending on the air flow rate extracted. With the ability to handle air flow rates of 2 000- 10 000 Am³/hr. Extraction from one or multiple fume cupboards at the same time is possible. The Polypropylene construction means that these scrubbers are impervious to most chemicals. All Enviro range scrubbers will remove 98%+ of acid contaminants when the optimum PH is maintained in the scrubber liquor. The range comes standard with automated smart dosing capability. This module will automatically maintain the optimum PH through the carefully metered addition of liquid Caustic Soda (NaOH) to the scrubbing liquor. The Enviro range of acid scrubbers will remove all commercially used acids, ensuring that no harmful emissions are present in or around your laboratory.

Standard Features:

- Scrubber Tower c/w Lantec Q-PAC Packed Bed
- Scrubber Sump c/w Automated Level Control
- Recirculation Pump c/w Manual Blow Down
- Polypropylene Mesh Pad Demister
- Sump Drain and Overflow
- Automated Fresh Water Feed
- Extraction Fan c/w Variable Speed Drive
- Control Panel – Remote (PLC + HMI)
- Inlet Control Damper
- Auto Dosing module

Optional Extra Accessories:

- Automated Smart ORP Adjustment Module (Application dependent)
- Automated Smart Conductivity Adjustment Module





Models and Specifications

Models	ENVIRO 600	ENVIRO 800	ENVIRO 1000	ENVIRO 1200
M.O.C – Scrubber	PP-H			
M.O.C - Fan	PP-H			
M.O.C - Pump	PP-H (GFR)			
Sump Volume:	1000 liters			
Total Power Consumption:	6 500 W (6.5 kW)		8 500 W (8.5 kW)	11 000 W (11 kW)
Pump Power Consumption:	1 500 W (1.5 kW)		2 200 W (2.2 kW)	3 000 W (3 kW)
Fan Model:	VCPA 250		VCPA 315	VCPA 400
Fan Power Consumption:	4 000 W (4 kW)		5 500 W (5.5 kW)	7 500 W (7.5 kW)
Air Flow Rate:	2 500 m ³ /hr	4 500 m ³ /hr	7 000 m ³ /hr	10 000 m ³ /hr
Max Temp of Air:	70 °C			
Air Inlet Size:	Ø315 mm	Ø400 mm	Ø500 mm	Ø600 mm
Available Pascals at Inlet:	1000 Pa (1 kPa)			
Pump Speed:	2900 rpm (Direct)			
Fan Speed:	2900 rpm (VSD)	2900 rpm (VSD)	2200 rpm (VSD)	1850 rpm (VSD)
Packing Type:	Lantec Q-PAC			
Stack:	Integrated			
Demister:	PP Mesh Pad			
Removable Efficiency:	98% - 99%			

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