



**AIRCLEAN POLLUTION CONTROL PTE LTD**

**乙弘环境污染净化设备**

1 Yishun Industrial Street 1, #06-11, A'Posh Bizhub, Singapore 768160

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## **Vertical and Horizontal Wet Scrubber Systems**

*For Fresher Air and Cleaner Environment*



*Professionally Designed  
Dependable Installation  
Long-lasting Operation*

## Key features of our Wet Scrubbers

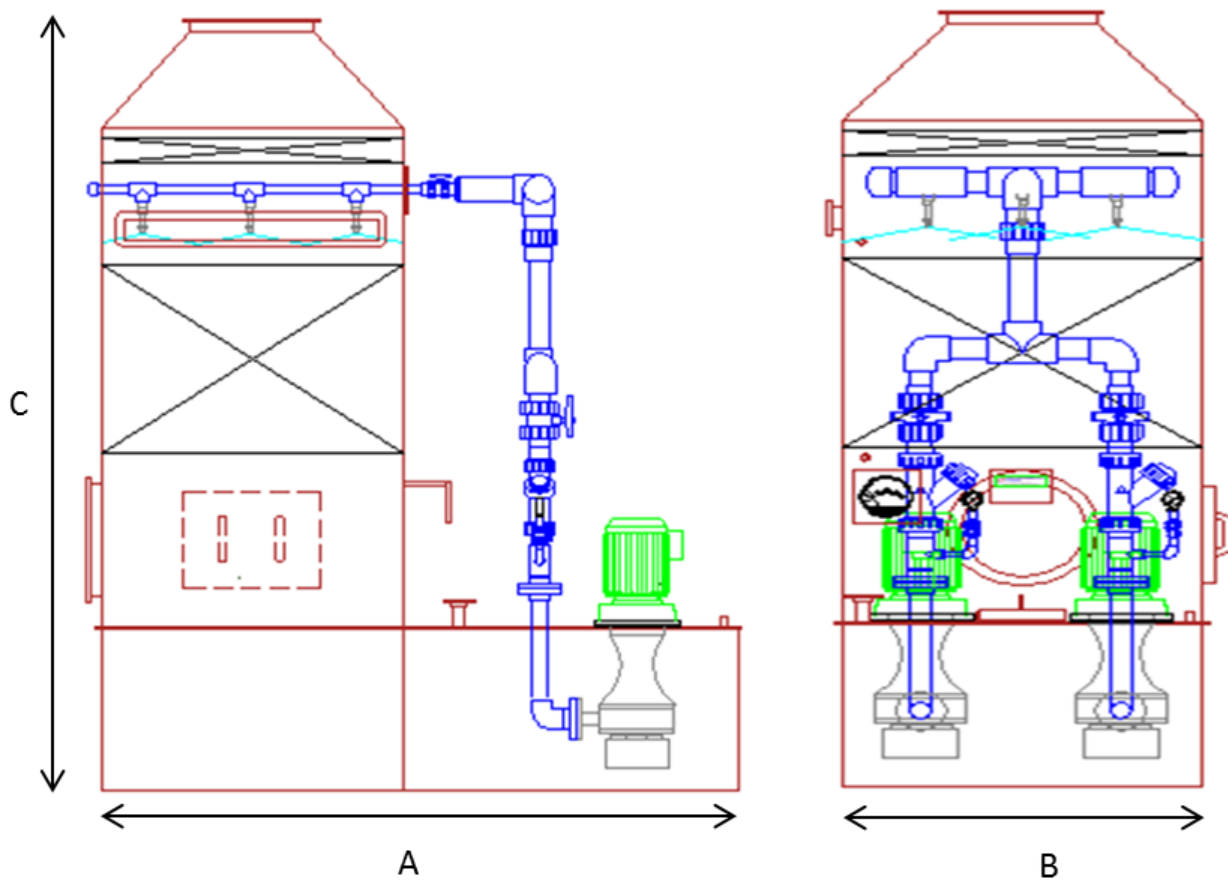
- Robust FRP construction for maximum structural strength and corrosion resistance.
- In-house design & fabrication leading to better quality control, lead time and lower costs all of which are passed to our customers.
- Responsive team for enquiries and technical support.
- UV resistance for outdoor applications.
- Full factory test including hydrostatic and barcol hardness before delivery.
- Small footprint for easy space management.
- Lower pressure drop translates into cost savings.
- High scrubbing efficiency up to 99.9%.
- Removal manholes and viewports for easy and faster maintenance.
- Chemical resistant uPVC and CPVC Schedule 80 pipings and valves.
- Manual and automatic operation options for each system.
- Manual and automated dosing & instrumentation controls for process optimisation.
- Option for P.E. endorsement available for peace of mind.
- Whole package available including design, fabricate, supply, install, test & commission.
- Other thermoplastic material of construction available.



## Vertical Counter-current Fume Scrubbers

This series of random packed-bed towers offer maximum scrubbing efficiencies due to the counter-current flow pattern.

Please check with us for applications with smaller flowrates. Other configurations are available for smaller flowrates.



Picture for illustration only.

## Footprint for Typical Acid and Caustic Scrubbing

Model	Air Flowrate (CMH)	A	B	C	Approx. Operating Wt (kg)
FPE-V4	250	955	300	3,600	470
FPE-V8	500	955	300	3,640	470
FPE-V25	1,500	1,170	515	3,840	745
FPE-V33	2,000	1,250	595	3,920	875
FPE-V42	2,500	1,320	665	3,980	995
FPE-V50	3,000	1,380	730	4,040	1,120
FPE-V58	3,500	1,440	790	4,100	1,240
FPE-V67	4,000	1,490	840	4,150	1,345
FPE-V75	4,500	1,545	895	4,200	1,480
FPE-V83	5,000	1,590	940	4,240	1,585
FPE-V100	6,000	1,680	1,030	4,325	1,800
FPE-V117	7,000	1,765	1,115	4,410	2,020
FPE-V133	8,000	1,840	1,190	4,475	2,220
FPE-V150	9,000	1,910	1,260	4,545	2,420
FPE-V167	10,000	1,980	1,330	4,610	2,765
FPE-V250	15,000	2,280	1,630	4,895	3,820
FPE-V333	20,000	2,530	1,880	5,130	4,830
FPE-V417	25,000	2,750	2,100	5,340	5,840
FPE-V500	30,000	2,955	2,305	5,530	7,120
FPE-V583	35,000	3,140	2,490	5,710	8,140
FPE-V667	40,000	3,310	2,660	5,870	9,100
FPE-V750	45,000	3,470	2,820	6,020	10,100
FPE-V833	50,000	3,625	2,975	6,170	11,120
FPE-V1000	60,000	3,910	3,260	6,435	13,040
FPE-V1167	70,000	4,400	3,520	6,985	20,390
FPE-V1333	80,000	4,640	3,760	7,210	22,920
FPE-V1500	90,000	4,870	3,990	7,430	26,185
FPE-V1667	100,000	5,035	4,205	7,535	26,500
FPE-V1833	110,000	5,290	4,410	7,825	31,525
FPE-V2000	120,000	5,485	4,605	8,010	34,020
FPE-V2167	130,000	5,675	4,795	8,190	36,550
FPE-V2333	140,000	5,855	4,975	8,365	39,000
FPE-V2500	150,000	6,030	5,150	8,530	41,485

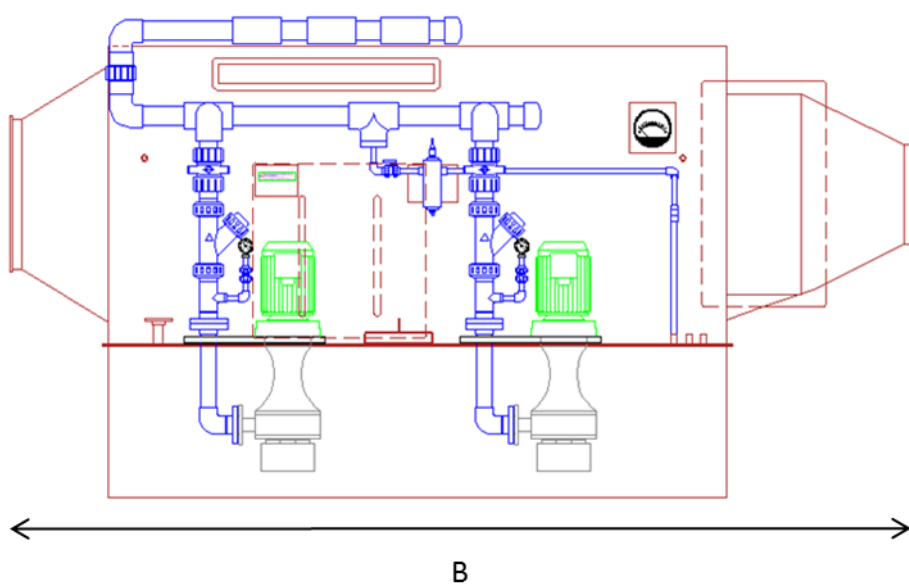
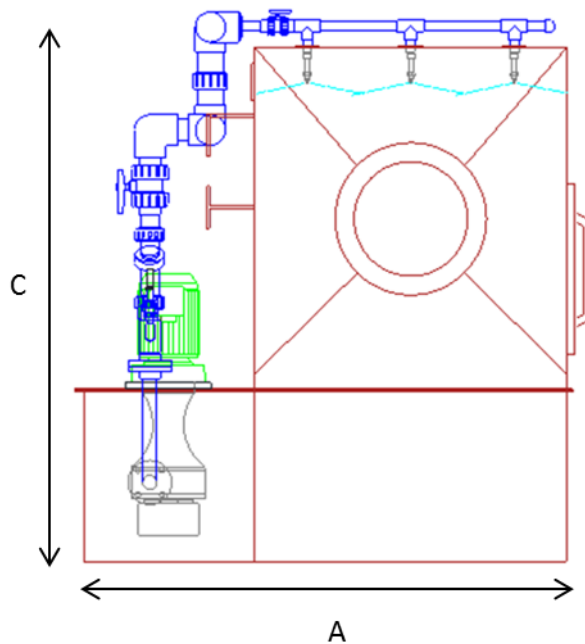
Dimensions in mm

## Horizontal Cross-flow Scrubber

Our series of horizontal scrubbers is ideal when height restriction is an issue.

The cross-flow configuration ensures the scrubber height is kept to a minimum yet achieving the scrubbing efficiency needed.

Please check with us for applications with smaller flowrates. Other configurations are available for smaller flowrates.



Picture for illustration only.

## Footprint for Typical Acid and Caustic Scrubbing

Model	Air Flowrate (CMH)	A	B	C	Approx. Operating Wt (kg)
FPE-H4	250	950	2,410	1,265	1,400
FPE-H8	500	950	2,410	1,265	1,400
FPE-H16	1,000	1,020	2,500	1,375	1,460
FPE-H25	1,500	1,105	2,560	1,455	1,500
FPE-H33	2,000	1,175	2,620	1,525	1,550
FPE-H42	2,500	1,240	2,670	1,590	1,600
FPE-H50	3,000	1,295	2,720	1,645	1,645
FPE-H58	3,500	1,345	2,760	1,695	1,685
FPE-H67	4,000	1,395	2,800	1,745	1,725
FPE-H75	4,500	1,440	2,830	1,790	1,770
FPE-H83	5,000	1,485	2,870	1,835	1,810
FPE-H100	6,000	1,565	2,930	1,915	1,895
FPE-H117	7,000	1,635	2,990	1,985	1,980
FPE-H133	8,000	1,705	3,040	2,055	2,055
FPE-H150	9,000	1,770	3,090	2,120	2,125
FPE-H167	10,000	1,830	3,140	2,180	2,385
FPE-H250	15,000	2,095	3,350	2,445	2,810
FPE-H333	20,000	2,315	3,530	2,665	3,170
FPE-H417	25,000	2,515	3,690	2,865	3,565
FPE-H500	30,000	2,690	3,830	3,040	4,250
FPE-H583	35,000	2,855	3,960	3,205	5,005
FPE-H667	40,000	3,005	4,090	3,355	5,400
FPE-H750	45,000	3,150	4,200	3,500	5,795
FPE-H833	50,000	3,285	4,310	3,635	6,180
FPE-H1000	60,000	3,535	4,509	3,885	7,070
FPE-H1167	70,000	3,770	4,690	4,120	7,835
FPE-H1333	80,000	3,985	4,870	4,335	8,580
FPE-H1500	90,000	4,185	5,030	4,535	9,310
FPE-H1667	100,000	4,375	5,180	4,725	10,190
FPE-H1833	110,000	4,560	5,330	4,910	10,935
FPE-H2000	120,000	4,730	5,470	5,080	11,645
FPE-H2167	130,000	4,900	5,600	5,250	12,425
FPE-H2333	140,000	5,060	5,730	5,410	13,140
FPE-H2500	150,000	5,215	5,850	5,565	13,845

Dimensions in mm

### **Industries Served**

- Semiconductor Manufacturing
- Solar Technology
- Pharmaceutical
- Clean Room
- Chemical Industry
- Food Industry
- Electroplating
- Wastewater Treatment Plants
- Institutions & Research Labs

### **Common Contaminants Treated**

- Hydrobromic Acid
- Hydrochloric Acid
- Hydrofluoric Acid
- Nitric Acid
- Sulphuric Acid
- Acetic Acid
- Chromic Acid
- Perchloric Acid
- Phosphoric Acid
- Sodium Hydroxide
- Potassium Hydroxide
- Sulphur Oxides (SO<sub>x</sub>)
- Nitrogen Oxides (NO<sub>x</sub>)
- Bromine
- Chlorine
- Fluorine
- Ammonia
- Ethylene Oxide
- Hydrogen Cyanide

### **We provide the whole spectrum of Air Pollution Control to help clients achieve a cleaner air and environment**

- IDENTIFY & DETERMINE the contaminants to be treated.
- APPLY & DESIGN the desirable and economical treatment systems.
- FABRICATE & INTEGRATE the equipment / systems.
- INSTALL, TEST & COMMISSION the systems.
- PERFORMANCE test.

# AirClean Pollution Control Pte Ltd

*Your Partner in Air Pollution Control*

***Company Registration No. 201536308E.***

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