

# TOTAL EXHAUST

## AirMax™ Fume Hood with Wet Fume Scrubber

***The complete solution for scrubbing acids and other water soluble gases from fume hood exhaust***

AirMax™ with wet fume scrubber is a total solution for minimizing personnel, ductwork and environmental exposure to caustic acid gases. Contaminated air passes through the scrubber's water-washed contact media before being exhausted, while water used during the scrubbing process is captured in the holding tank and recirculated. An optional pH dosing system can be utilized to neutralize acids captured during the scrubbing process.



AC6030TE AirMax™ Fume Hood with wet fume scrubber

### Wet Scrubber Features:

- Thermoplastic construction is resistant to gases begin scrubbed
- Direct-mount to fume hood exhaust — eliminates contaminated ductwork between the fume hood and scrubber
- Observation window for media inspection
- Scrubber holding tank with recirculating pump (located inside base cabinet)

### Typical Applications:

Scrubbers are used with extraction systems where soluble substances are being evaporated at accelerated rates.

Examples include:

- Trace metal analysis
- Hot acid etching
- Acid digestions for metal analysis
- Precious metal purification
- Fat testing in food industry

### Options:

- Auto dosing system
- Spray bar for perchloric acid use
- Service fixtures and sinks
- Polycarbonate sash
- PVC base material
- Polypropylene blowers

 **ASHRAE110 TESTED**

 **UL, CSA and CE CERTIFIED**

### Partial list of chemicals that AirClean® Systems scrubbers are appropriate for:

HCl	Hydrochloric Acid (Hydrogen chloride)	NaOCl	Sodium Hypochlorite
H <sub>2</sub> SO <sub>4</sub>	Sulfuric Acid	H <sub>2</sub> O <sub>2</sub>	Hydrogen Peroxide
HF	Hydrofluoric Acid (Hydrogen fluoride)	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Acetic Acid
HClO <sub>4</sub>	Perchloric Acid	NH <sub>3</sub>	Ammonia
NaOH	Sodium Hydroxide	H <sub>3</sub> PO <sub>4</sub>	ortho-Phosphoric Acid
KCl	Potassium Chloride	H <sub>3</sub> BO <sub>3</sub>	ortho-Boric Acid
NaCl	Sodium Chloride	HNO <sub>3</sub>	Nitric Acid

Contact AirClean® Systems for additional chemicals not listed.



# AirMax™ Wet Scrubber Features

