Chemical Fume Control

Model 500 Industrial Chemical Fume Extractor - 336 lbs of Carbon

MADE IN THE USA

SINCE 1983

Model # SS-500-PFS/WFE/PYT-DUALF

The **Model 500 Industrial Chemical Fume Extractor - Dual Filter** offers enhanced protection with both HEPA and carbon gas-phase filtration or dual activated carbon filter stages. This unique system utilizes a two-stage filtration process consisting of a HEPA filter stage to help remove particulate from the airflow and an Activated Carbon filter stage to adsorb most chemical vapors and odors. This dual filter fume extractor accomodates diverse industrial and laboratory environments that work with both particulate and chemical fumes. For demanding chemical environments, this system can also be equipped with two activated carbon filters providing 336 lbs of total carbon. This dual carbon configuration can incorporate both a standard Activated Carbon filter and a Specialty-Blended carbon filter optimized to capture acid gases, aldehydes, or amines. Certain laboratories and industrial applications use chemicals from different families that standard carbon filtration may not be optimized for. Applications such as environmental testing labs and chemical formulation facilities can benefit from this unique filter combination.

The **Model 500 Industrial Chemical Fume Extractor** contains a total of ***4 HEPA filters*** and ***4 Activated Carbon Filters/Specialty-Blended filter media*** (42 lb per filter or 168 lbs total) or ***8 Activated Carbon Filters*** (336 lbs total). This large volume of Activated Carbon provides better VOC adsorption and improved odor control. The HEPA filter layer (optional) protects the life of the activated carbon filter by capturing particles before reaching the carbon filter. The unique design of the system allows a single stage or filter set to be replaced as needed, rather than replacing combination filters commonly found on the market, reducing maintenance cost and providing chemical flexibility.

This system can be equipped with a variety of extraction arms including a 7' L or 10' L heavy-duty extraction arm or a 12' L or 24' L flexible Pyton hose. Both arms are capable of handling higher volumes of chemical fumes. With heavy-duty casters and no external ducting, the **Model 500 Industrial Chemical Fume Extractor** provides a portable benchtop-level fume extractor that captures fumes and particulate at the source for a variety of chemical lab and industrial applications.

*The **Model 500 Tri-Core Fume Extractor** is also available with a HEPA filter/dual activated carbon or triple activated carbon filter stages for more demanding and diverse chemical applications.*

Model 500 Industrial Chemical Fume Extractor with 7' Heavy-Duty Arm

Model 500 Industrial Chemical Fume Extractor with 10' Heavy-Duty Arm

Product Features

- ***Includes:*** Variable Speed Controller (115V only), heavy-duty casters, and a portability handle
- ***Extractor Arm:*** 7' or 10' Heavy-Duty Extractor Arm, or 12' or 24' Python extraction hose
- Up to 336 lbs of total activated carbon
- Reliable, low maintenance solution
- Refillable Activated Carbon filter frames
- No exterior ducting required or makeup air
- Simple, quick "no tool" filter change

Model 500 Industrial Chemical Fume Extractor with 12' Python Hose

SAS
SENTRY AIR SYSTEMS, INC.

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Product Specifications

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Dimensions are approximate.

Base Unit	39" L x 39" W x 42.5" H
Arm Dimensions	**HD:** 7" D. x 7' L (or 10' L) **Python:** 6" D. x 12' L (or 25')
Capture Hood	**HD:** 10.5" D. powder coat aluminum **Python:** 11" x 6.5" magnetic hood
Arm Material	**HD:** *Rigid segment* - aircraft-grade aluminum; *Flexible segment* - black Flex Sentry™ flame-retardant hose **Python:** flexible flame-retardant hose
Cabinet Material	16 Ga. cold rolled steel
Weight (approximately)	607 lbs with filters
Air Volume (Max CFM)*	up to 712 CFM
Electrical	115/1/60, 2.5 amps 220/1/50, 1.5 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (High at 3' from inlet)	Approx. 65 dba
Main Filters	**Configuration 1 - 168 lbs of Carbon**
	(4) **HEPA Filters** (up to 99.97% efficiency on particles down to 0.3 microns) (4) **42 lb Activated Carbon Filters** or **Specialty-Blended Filter Media** [acid gas, ammonia, & aldehyde]
	Configuration 2 - 336 lbs of Carbon
	(8) **42 lb Activated Carbon Filters** or **Specialty-Blended Filter Media** [acid gas, ammonia, & aldehyde]
Warranty	Limited two-year warranty from date of shipment on defects due to materials or workmanship.
US Patent	#61,563,228

* *Airflow values tested in-house with HEPA + Carbon Filters with 7' arm. Airflow will vary depending on arm and filter type.*

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