Model 500/550 Industrial Chemical Fume Extractor with Activated Carbon Filtration

Model # SS-500/550-PYT-240CF

The **Model 500/550 Python Industrial Chemical Fume Extractor** removes most of the chemical fumes from the air for industrial applications in order to help provide operator and environmental protection. The 12' long flexible Python hose with a 6" diameter provides powerful suction for fume removal with the air volume up to 355/490 CFM (cubic feet per minute). The magnetic capture hood allows the operator to secure the hose inlet to metal surfaces in hard-to-reach places. This unique portable unit provides voluminous amounts of Activated Carbon filtration to allow operators to have access to a large amount of filtration in a confined or isolated work area where external ducting is not possible.

The four 42 lb **Activated Carbon Filters**, equipped in this system, are designed for the chemical fume removal in industrial applications producing *volatile organic compounds* including *gluing, painting, applying varnishes and epoxies, printing, 3-D printing, and using cleaning products, solvents, or acetone*.

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Activated Carbon Filters capture fumes utilizing the millions of pores on the pieces of carbon. The large surface area created from the pores allows the carbon to adsorb compounds in the air to remove the contaminant. Adsorption occurs when the pollutant sticks to the outside of the carbon. Once the filters become saturated, the operator must properly dispose of the carbon and refill the filter frames with *Sentry Air Systems Activated Carbon*. The refillable filter frames allow for easy filter replacement and low cost maintenance. **Specialty Blended Filter Media** may also be utilized with this unit including *acid gas, mercury, aldehyde, and ammonia* filters.

The **Model 500/550 Python Industrial Chemical Fume Extractor** serves as a portable fume control device that requires no external ducting or makeup air. Heavy-duty, locking casters allow mobility providing a great solution for applications that require a powerful respiratory engineering control with easy maneuverability. This system is also available with multiple operator configurations of dual and quad python hose options. A Variable Speed Controller is standard with this unit.

The Model 500/550 is also available with cleanable Micro-Pleat Particulate Filters [SS-500/550-PYT-MP1] for applications such as welding, grinding, powder weighing, and dust collection.

Product Features

- *Includes:* variable speed controller (115V only), heavy-duty casters, a magnetic capture hood, and (1) 12' L x 6" flexible python hose with 360° rotation capability
- *Optional:* 25' hose, dual or quad hose configurations
- Reliable, low maintenance operation
- Refillable carbon filter frames
- "No tool" filter change with no exterior ducting required or makeup air

Chemical Fume Control

Product Specifications

42.5"

30" 30"

6" Diameter
12' L

Dimensions are approximate.

Base Unit Dimensions	***Length:*** 30" ***Width:*** 30" ***Height:*** 42.5"
Arm Dimensions	6" Diameter x 12' Long
Arm Material	Flexible flame-retardant Python hose with black magnetic capture hood with handle
Cabinet Material	16 Ga. carbon steel
Weight (approximately)	***Without Filters:*** 190 lbs ***With Filters:*** 430 lbs
Air Volume (approximately)	***500:*** Up to 355 CFM ***550:*** Up to 490 CFM
Electrical	***500:*** 115/1/60, 2.5 amps 220/1/50, 1.5 amps ***550:*** 115/1/60, 10.7 amps 220/1/50, 5 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (High at 3' from inlet)	***500:*** Approx. 65 dba ***550:*** Approx. 72 dba
Main Filter Options	(4) 42 lb **Activated Carbon Filters** (efficiency varies), 168 lbs total (4) **42 lb Specialty Blended Filter Media** (acid gas, ammonia, aldehyde, and mercury)
Warranty	Limited two-year warranty from date of shipment on defects due to materials or workmanship. ***550:*** Limited six-month warranty for fan/motor.
US Patent	#61563228 Pending

SAS
SENTRY AIR SYSTEMS, INC.

21221 FM 529 Rd
Cypress, TX 77433
1.800.799.4609
sales@sentryair.com

www.sentryair.com