

Model 500/550 Chemical Fume Extractor - Activated Carbon Filtration



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

This **Model 500/550 Industrial Chemical Fume Extractor** removes chemical fumes from the air with (4) 42 lb **Activated Carbon Filters** suited for industrial applications including *chemical fume control, epoxy and solvent fume removal, and processes involving VOC's*. The **Model 500/550 Industrial Chemical Fume Extractor** provides up to 765/905 CFM of air volume suited for heavy-duty fume extraction and air filtration. The extensive amount of activated carbon filtration makes this portable unit very unique and allows for operators to have access to a large amount of filtration.

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 filtration media** may also be utilized with this unit and includes acid gas, mercury, aldehyde, and ammonia filters.

The **Model 500/550 Industrial Chemical Fume Extractor** serves as a portable fume control device that requires no external ducting or makeup air. Heavy-duty locking casters and a variety of extraction arm options make this fume extractor a helpful solution for applications that require a powerful respiratory engineering control with maneuverability. This particular configuration has a 7' L and 6" diameter heavy-duty source capture arm with a 10" capture hood and 360° swivel radius. Made of aircraft grade aluminum and flexible segments of flame-retardant hose, the heavy-duty extractor arm outfits the **Model 500/550 Chemical Fume Extractor** to provide fume control for high intensity industrial applications. 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-PFS-MP1] for applications such as welding, grinding, powder weighing, and dust collection.



*Model 500/550 7' Heavy Duty Arm
Chemical Fume Extractor*

Product Features

- **Includes:** variable speed controller (115V only), heavy-duty casters, portability handles, and 7' Heavy Duty Extractor Arm with 360° rotation
- Variety of arm options available
- Reliable, low maintenance solution
- Refillable activated carbon filter frames
- No exterior ducting required or makeup air
- Simple, quick "no tool" filter change



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

Chemical Fume Control

Product Specifications



Dimensions are approximate.



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Base Unit Dimensions	Length: 30" Width: 30" Height: 42.5"
Arm Dimensions	7" Diameter, 7' L Heavy Duty Arm
Arm Material	Rigid segment: Aircraft-grade aluminum, 7" diameter Flexible segment: Black Flex Sentry™ flame-retardant hose Capture Hood: 10.5" round powder coat aluminum hood
Cabinet Material	16 Ga. cold rolled steel
Weight (approximately)	190 lbs without filters 430 lbs with filters
Air Volume (approximately)	500: Up to 765 CFM 550: Up to 905 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 (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	#61,563,228 Pending