

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



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

This **Model 500/550 Industrial Chemical Fume Extractor** removes chemical fumes from the air with four 42 lb **Activated Carbon Filters** for industrial applications including *chemical fume control, epoxy and solvent fume removal, multiple operator fume extraction, and processes involving VOC's*. The **Model 500/550 Industrial Chemical Fume Extractor** provides up to 1,100 CFM/1,400 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 Filter 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 allow mobility providing a great solution for applications that require a powerful respiratory engineering control with easy maneuverability. A variable speed controller, standard with this unit, allows the operator to vary the air volume from low (down to 50 CFM) to high (up to 1,100 CFM/1,400 CFM).

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



Model 500/550 Activated Carbon Air Cleaner



Shown with ductwork (not included) for chemical extraction from multiple fume hoods.

Product Features

- **Includes:** variable speed controller (115V only), heavy-duty casters, and portability handle
- **Optional:** 6" or 10" diameter inlet collar, and variety of arm choices
- Reliable, low maintenance option
- Refillable activated carbon filter frames
- No exterior ducting required or makeup air
- Simple, quick "no tool" filter change



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Chemical Fume Control

Product Specifications



Dimensions are approximate.



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Base Unit Dimensions	Length: 30" Width: 30" Height: 42.5"
Cabinet Material	16 Ga. cold rolled steel
Weight (approximately)	Without Filters: 190 lbs With Filters: 430 lbs
Air Volume (approximately)	500: Up to 1,100 CFM 550: Up to 1,400 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