

Model 500/550 Industrial Fume Extractor - Micro-Pleat Series 1



Model # SS-500/550-PFS-MP1

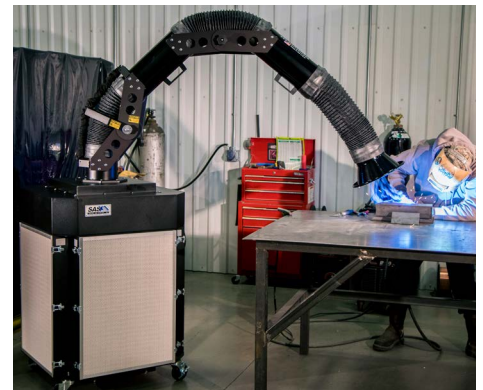
The **Model 500/550 Industrial Fume Extractor** provides fume extraction for heavy-duty and high volume applications such as *production welding (MIG, TIG, Stick, Plasma Cutting), grinding, powder weighing, some dust collection applications, and more.*

This powerful air filtration system provides up to 785/1,060 CFM of air volume with various source-capture configurations. This particular configuration has a 7' L and 7" diameter heavy-duty source capture arm with a 10.5" 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 Industrial Fume Extractor** to provide fume and particulate control for high intensity industrial applications.

This system features four cleanable **Micro-Pleat Series 1 Particulate Filters** that offer the ability to clean the filters with compressed air without removing them from the unit's chassis. The operator simply sprays compressed air into the filter media for cleansing while excess dust and waste fall into the internal dustpan, allowing for easy and clean debris removal. Other filter options include four **HEPA** non-cleanable filters, four 42 lb. disposable **Activated Carbon Filters**, and four 42 lb **Specialty Blended Carbon Filters**.

This unit includes a Magnehelic Gage to monitor the filters saturation. As the filters become saturated, the static pressure increases and the digital readout will display this increase in pressure. Once the pressure reaches a certain point, the filters will need to be cleaned.

The **Model 500/550 Industrial Fume Extractor** requires no exterior-ducting or makeup air. Heavy-duty locking casters and a flexible extraction arm make this fume extractor the perfect solution for applications that require a powerful respiratory engineering control with maneuverability. For a wider range of source capture, Sentry Air Systems offers a 10' heavy duty extractor arm.



Product Features

- Variable Speed Controller (115V only)
- Magnehelic Gage
- Cleanable filters
- Heavy-duty casters & portability handles
- 360° rotating source capture arm
- Reliable, low maintenance option
- No exterior ducting required or makeup air
- Long filter life
- Simple, quick "no tool" filter change



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Cleanable Media Fume Extractor

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)	240 lbs without filters 332 lbs with filters
Air Volume (approximately)	500: Up to 785 CFM 550: Up to 1,060 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) Cleanable Micro-Pleat Series 1 Particulate Filters (MERV 13) (4) HEPA Filters (up to 99.97% efficiency on particles down to 0.3 microns) Non-Cleanable (4) 42 lb. Activated Carbon Filters (4) 42 lb. Specialty Blended Carbon Filters
Warranty	Limited two-year warranty from date of shipment on defects due to materials or workmanship.
US Patent	#61,563,228 Pending