

## Model 500/550 Industrial Welding Fume Extractor - 10' Heavy-Duty Arm



### Model # SS-500/550-WFE-MP1/240CF/HEPA

The **Model 500/550 Industrial Welding Fume Extractor** provides fume extraction for heavy-duty welding applications such as *MIG, TIG, Stick, Plasma Cutting*, as well as associated applications like *light grinding and some dust collection*.

This powerful air filtration system provides a voluminous amount of air volume with a 10' L and 7" diameter heavy-duty source capture arm with a 10.5" capture hood. Made of aircraft grade aluminum and flexible segments of flame-retardant hose, the heavy-duty extractor arm outfits the **Model 500/550 Industrial Welding Fume Extractor** to provide fume and particulate control for high volume welding 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 filter media** (*acid gas, ammonia, aldehyde, and mercury*).

This unit includes a Magnehelic Gauge to monitor the filters' saturation (MP1 & HEPA only). 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 Welding Fume Extractor** requires no exterior-ducting or makeup air. Heavy-duty locking casters and a flexible extraction arm make this fume extractor a great solution for welding and metal fabrication shops, large scale factories and other locations with welding fumes. Not only does this unit help protect the welder's respiratory zone from hazardous fumes, but its construction and operation features also offer a host of benefits.

### Product Features

- **Includes:** Variable Speed Controller, Magnehelic Gauge (MP1 & HEPA models only), heavy-duty casters, portability handles, and 10' L Heavy-Duty Extractor Arm (360° rotation)
- **Filter Choices:** Micro-Pleat cleanable filters or HEPA filters
- Filter media tested with hexavalent chromium
- No exterior ducting required or makeup air
- Long filter-life with a simple and quick "no tool" filter change



Model 500/550 Industrial Welding Fume Extractor with 10' Heavy-Duty Arm



The 10' arm and capture hood allows the operator to capture most of the fumes and particulate close to the source.



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

[www.sentryair.com](http://www.sentryair.com)

# Cleanable Media Fume Extractor

## Product Specifications



Dimensions are approximate.



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

[www.sentryair.com](http://www.sentryair.com)

<b>Base Unit</b>		30" L x 30" W x 42.5" H			
<b>Arm Dimensions</b>		7" Diameter, 10' L Heavy-Duty Arm			
<b>Arm Material</b>		<b>Rigid segment:</b> Aircraft-grade aluminum, 7" diameter <b>Flexible segment:</b> Black Flex Sentry™ flame-retardant hose <b>Capture Hood:</b> 10.5" round powder coat aluminum hood			
<b>Cabinet Material</b>		16 Ga. cold rolled steel			
<b>Weight (approximately)</b>		240 lbs without filters 332 lbs with filters			
<b>Air Volume (Max CFM)*</b>	<b>Filter</b>	MP1	HEPA	Carbon	HEPA/Carbon
	<b>500</b>	728	714	683	669
	<b>550</b>	864	842	816	806
<b>Electrical</b>		<b>500:</b> 115/1/60, 2.5 amps 220/1/50, 1.5 amps <b>550:</b> 115/1/60, 5.7 amps 8' grounded power cord with NEMA 5-15P plug			
<b>Sound Level (High at 3' from inlet)</b>		<b>500:</b> Approx. 65 dba <b>550:</b> Approx. 70 dba			
<b>Main Filter Options</b>		(4) Cleanable <b>Micro-Pleat Series 1 Particulate Filters</b> (MERV 15) (4) <b>HEPA Filters</b> (up to 99.97% efficiency on particles down to 0.3 microns) <i>Non-Cleanable</i> (4) <b>42 lb. Activated Carbon Filters</b> (4) <b>42 lb Specialty-Blended Filter Media</b> [acid gas, ammonia, aldehyde, and mercury]			
<b>Warranty</b>		Limited two-year warranty from date of shipment on defects due to materials or workmanship. <b>550:</b> Limited six-month warranty for fan/motor.			
<b>US Patent</b>		#61,563,228			

\*Calculated airflow shown. Actual airflow may vary.