Model 500/550 Industrial Fume Extractor - 7' Heavy-Duty Arm

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

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 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 filter media** *(acid gas, ammonia, aldehyde, and mercury)*.

This unit includes a Magnehelic Gauge (MP1 & HEPA models only) to monitor the saturation of the filters. 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 (MP1) or replaced (HEPA).
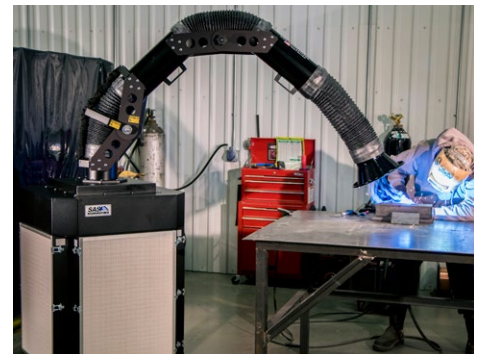
The **Model 500/550 Industrial Fume Extractor** requires no exterior-ducting or makeup air. Heavy-duty locking casters and a flexible extraction arm make this fume extractor a great solution for applications that require a powerful respiratory engineering control with maneuverability. For a wider range of fume capture, Sentry Air Systems offers a 10' Heavy-Duty Extractor Arm [SS-500/550-WFE-MP1].

Model 500/550 Industrial Fume Extractor with 7' Heavy-Duty Arm

The 7' Heavy-Duty Arm can be easily maneuvered to source capture fumes.

Product Features

- *Includes:* Variable Speed Controller, Magnehelic Gauge (MP1 & HEPA models only), heavy-duty casters, portability handles, and 7' L Heavy-Duty Extractor Arm with 360° rotation
- *Filter Choices:* Micro-Pleat cleanable filters, HEPA filters, Activated Carbon filters, or specialty-blended filter media
- Reliable, low maintenance option
- Long filter-life
- Simple, quick "no tool" filter change

SAS SENTRY AIR SYSTEMS, INC.

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Product Specifications

MADE IN THE USA

SINCE 1983

7" Diameter
7' L

42.5"

30"

30"

Dimensions are approximate.

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Base Unit	30" L x 30" W x 42.5" H
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 (Max CFM)*	Filter	MP1	HEPA	Carbon	HEPA/ Carbon
	500	778	762	728	712
	550	957	930	898	886

Electrical	*500:* 115/1/60, 2.5 amps 220/1/50, 1.5 amps *550:* 115/1/60, 5.7 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (High at 3' from inlet)	*500:* Approx. 65 dba *550:* Approx. 70 dba
Main Filter Options	(4) Cleanable **Micro-Pleat Series 1 Particulate Filters** (MERV 15) (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 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

Airflow values tested in-house. Actual airflow may vary.