

## Model 500/550 HD Dual Arm Welding Fume Extractor - Micro-Pleat Series 1



Model # SS-500/550-D10FA-MP1

The **Dual Arm Heavy Duty Industrial Fume Extractor** is specifically designed for heavy loading applications that generate high volumes of fume and dust particulate. The powerful blower assembly suctions up to 1,300 CFM of air, while the two 10' long HD Extractor Arms offers exceptional reach and hold for precise fume source capture. With the total reach of 20' from side to side, this unit can easily access dual operator stations. For easy mobility around the shop, the **SS-D10FA-MP1** features forklift legs that allow the operators to transport the system with ease if necessary. The primarily stationary unit, if desired, can be permanently bolted to the shop floor.

The filtration system features cleanable **Micro-Pleat Series 1 Particulate Filters** (up to 95% efficient on particles down to 0.3 microns and larger in particle size) designed for applications such as production welding (MIG, TIG, Stick, Plasma Cutting), grinding, powder weighing, bulk powder transfer, some dust collection applications, multiple operator fume extraction (classroom settings, multiple soldering, welding, and brazing stations), and more. Over a year of research and testing was performed in developing this highly efficient and cleanable particulate media filter.

The easily cleanable Particulate Filters allows for self-contained cleaning. Without removing the filters, the operator simply sprays pressurized air into the filter media to clean them and excess dust and waste falls into the internal dust pan, allowing for simple debris removal. The included **magnehelic gage** provides an excellent tool for determining filter saturation. Once the pressure levels begin to increase, the operator can clean the filters and the pressure reduction will be noted on the gage. For applications that do not require as much airflow, an included **variable speed controller** can help to reduce and control the airflow rates. This would be helpful in applications where shielding gases are critical.

### Product Features

- Variable speed controller (115V only)
- Magnehelic gage
- Cleanable filters
- Filter media tested with hexavalent chromium
- Forklift legs for easy transport
- (2) 10' L HD Hybrid Arm
- No exterior ducting required or makeup air
- Long filter life
- Simple, quick "no tool" filter change

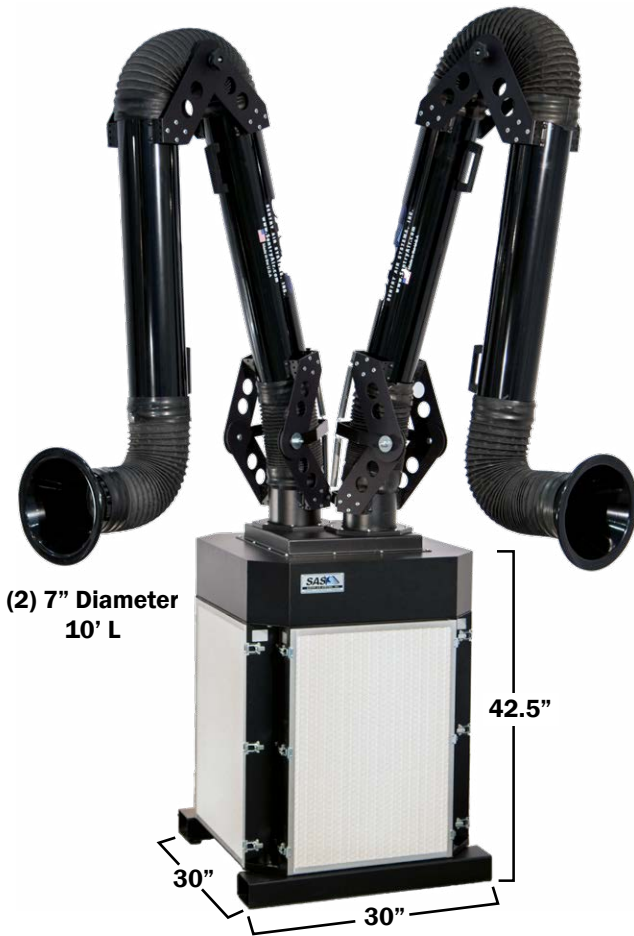


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# Fume & Particulate Removal

## Product Specifications



Dimensions are approximate



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<b>Base Unit Dimensions</b>	<b>Length:</b> 30" <b>Width:</b> 30" <b>Height:</b> 42.5"
<b>Arm Dimensions</b>	7" Diameter (2) 10' L HD Hybrid Arm
<b>Arm Material</b>	<b>Rigid segment:</b> Aircraft-grade aluminum, 7" diameter <b>Flexible segment:</b> Black Flex Sentry hose Flame-retardant <b>Capture Hood:</b> 10" round hood
<b>Cabinet Material</b>	16 Ga. cold rolled steel
<b>Weight (approximately)</b>	<b>500:</b> 245 lbs with filters <b>550:</b> 360 lbs with filters
<b>Air Volume (approximately)</b>	<b>500:</b> Up to 350 CFM/arm <b>550:</b> Up to 455 CFM/arm
<b>Electrical</b>	<b>500:</b> 115/1/60, 2.5 amps 220/1/50, 1.5 amps <b>550:</b> 115/1/60, 10.7 amps 220/1/50, 5 amps 8' grounded power cord with NEMA 5-15P plug
<b>Sound Level</b>	<b>500:</b> Approx. 65 dba (High) at 3' from inlet <b>550:</b> Approx. 72 dba (High) at 3' from inlet
<b>Main Filter Options</b>	(4) MERV 16 Micro-Pleat Series 1 Particulate Cleanable Filters (MERV 16) (4) 42 lb Activated Carbon Filters (efficiency varies)
<b>Warranty (from date of shipment)</b>	Limited two-year warranty on defects due to materials or workmanship. <b>550:</b> Limited six-month warranty for fan/motor.
<b>US Patent</b>	#61563228 Pending