

## Model 500 Industrial Fume Extractor - Micro-Pleat Series 1

### Model # SS-500-PFS-MP1

#### Product Specifications

##### BASE UNIT DIMENSIONS

30" Length  
30" Width  
42.5" Height

##### ARM DIMENSIONS

8" Diameter, 11' L Source-Capture Arm  
18 ga. Aluminum Hood with Handle

##### CABINET MATERIAL

16 ga. Carbon Steel

##### WEIGHT

Approximately 258 lbs. *without* Filters.  
Approximately 350 lbs. *with* Filters Installed.

##### AIR VOLUME

400 CFM (Low) to 1300 CFM (High) with Micro-Pleat Series 1 Particulate Filters Installed

##### ELECTRICAL

115/1/60, Approx. 10.7 Amps  
220/1/50, Approx. 5 Amps  
8' grounded power cord with NEMA 5-15P Plug

##### SOUND LEVEL

Approximately 72 dba (High) at 3'

##### FILTRATION

(4) MERV 16 Micro-Pleat Series 1 Particulate Filters

##### WARRANTY

Limited two-year warranty from date of shipment on defects due to materials or workmanship.  
U.S. PATENT #61563228 Pending



#### Product Features

- Variable Speed Controller *Included*
- Reliable, Low Maintenance Operation
- No Exterior Ducting Required
- Magnehelic Gage *Included*
- Heavy-Duty Casters & Portability Handles
- Long Filter Life
- Cleanable Filters
- 360° Rotating Source-Capture Arm
- Simple "No Tool" Filter Change

The **Model 500 Industrial Fume Extractor** is engineered for applications that require heavy-duty and high volume fume extraction. This powerful air purification system is capable of providing up to 1300 CFM of air volume and is available in various source-capture configurations. This particular configuration is equipped with a 11' L, 8" diameter source-capture arm with 18 ga. aluminum hood and handle.

This system is equipped with cleanable Micro-Pleat Series 1 Particulate Filters and is designed for applications such as production welding (MIG, TIG, Stick, Plasma Cutting), grinding, powder weighing, 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 particulate media filter.

The Particulate Filters are engineered to be easily cleaned with the use of pressurized air. This form of self-contained cleaning does not require removal of the filters; the operator simply sprays air into the filter media to clean and rejuvenate them while excess dust and waste falls into the internal dust pan, allowing for simple and clean debris removal. The included magnehelic gage is 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.

The Model 500 is portable and 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. This unit comes equipped with a Variable Speed Controller and Magnehelic Gage. The Model 500 is also available with Activated Carbon Filtration.



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