

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

7" Diameter, 7' L
Rigid segment: Aircraft-grade aluminum, 6" diameter
Flexible segment: Black Flex Sentry™, hose, flame-retardant, with 10" round capture hood

CABINET MATERIAL

16 ga. Cold Rolled Steel

WEIGHT

Approximately 240 lbs. *without* Filters.
Approximately 332 lbs. *with* Filters Installed.

AIR VOLUME

Variable Speed Control Standard on 115V
400 CFM Low, 1300 CFM High with Micro-Pleat Series 1
Particulate Filters Installed
On/Off Toggle Switch Standard on 220V

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' from inlet

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 (115V only)*
- 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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