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Series 300

Operations and Maintenance Manual

U.S. PATENT #5,843,197

Model Numbers: SS-300-PFS, SS-300-FSD, SS-300-FSQ, SS-300-PYT, SS-300-WS, SS-300-WSL,
SS-300-TS, SS-300-SKY, SS-300-MS, SS-300-MSS, SS-300-MSP, SS-300-PRAC, SS-300-MIST,
SS-300-WFE, SS-300-MSD, SS-300-MSQ



NOTICE

**Read this manual before operating and servicing your unit.
Please call us if you have questions.**

Print this document in color.





TABLE OF CONTENTS

<i>SAFETY SIGNAL WORDS AND SYMBOLS USED</i>	3
<i>USE OF THIS MANUAL</i>	3
<i>ABOUT SENTRY AIR SYSTEMS</i>	3
<i>GENERAL SAFETY PRECAUTIONS</i>	4
<i>IMPORTANT SAFETY INSTRUCTIONS</i>	5
<i>DISCLAIMER</i>	5
<i>OPERATION/INSTALLATION</i>	6
<i>MAINTENANCE</i>	6
<i>FLEX HOSE ASSEMBLY</i>	7
<i>FILTER INSTALLATION/REPLACEMENT</i>	8
<i>MODEL 300 REPLACEMENT FILTERS</i>	8
<i>FILTER INSTALLATION/REPLACEMENT PROCEDURE</i>	9
<i>OPTIONS</i>	9
<i>SPECIFICATIONS</i>	9
<i>WARRANTY</i>	15

SAFETY SIGNAL WORDS AND SYMBOLS USED IN SENTRY AIR SYSTEMS DOCUMENTATION

Following ISO 3864-2 guidelines, when applying safety signal words to our documentation, we consider both the likelihood and the severity of events that could occur if instructions in this manual are not followed.

Our definitions are noted in the following table:

 DANGER	If an accident occurs, serious injury or death is almost certain.
 WARNING	If a hazardous situation occurs, serious injury or death is possible.
 CAUTION	Personal injury and/or property injury is a credible possibility.
 NOTICE	Notes practices not related to personal injury.

USE OF THIS MANUAL

This operation and maintenance manual provides the user with the basic knowledge to operate and maintain Sentry Air Systems Series 300 equipment.

This manual may not be copied in whole and/or in part without written permission of Sentry Air Systems, Inc.

ABOUT SENTRY AIR SYSTEMS

Sentry Air Systems, Inc. is a Houston-based designer and manufacturer of high-quality fume extractors and air purification devices.

Our mission is continued engagement in the development air purification systems that improve your quality of life, at work and at home.

We are proud to have worked with and supplied air purification systems to industry leaders in government, space aeronautics, education, welding, environmental protection, computer technology, medical, pharmaceutical, construction, and entertainment.

We invite you to explore our website, www.sentryair.com, or give us a call at 800-799-4609 (International: 713-690-2153). We're happy to work with you to develop an air purification solution that meets your specific needs.



Made in USA

Simple Solutions for Cleaner Air™

GENERAL SAFETY PRECAUTIONS

NOTICE

- Read and understand all rules and instructions in safety manual before operating.
- To ensure the highest level of performance, use only SAS replacement filters in your SAS Extraction System.

CAUTION

- Before attempting or starting any maintenance or service on any equipment, the equipment must be unplugged from electrical outlet (power supply)
- All filters must be in place whenever the equipment is in operation. Do not operate the equipment with one or more filters missing and/or filters incorrectly installed.
- DO NOT substitute any other filters (particulate or chemical) for the filters supplied by SAS.
- Failure to supply the correct voltage to the unit will result in damage to the motor and/or individual.
- Do not attempt to clean any SAS Extraction Systems filters for reuse. Cleaning the filters will severely damage the filter media and, consequently, the filters performance. This will result in unfiltered, contaminated air being returned to the working environment.
- Do not use with inappropriate chemicals or substances. Failure to provide regular maintenance or other misuse of your SAS Extraction System may result in contaminated air being re-circulated into the work environment.
- Due to the modular nature of SAS Extraction Systems, SAS products provide a variety of mounting options to accommodate the requirements of various applications. Heavy-Duty reinforced mounting sections are an integral part of SAS Series 300 units. Responsibility for safely and securely mounting SAS units is the sole responsibility of the purchaser.

WARNING

- DIRTY FILTERS MAY BE CONTAMINATED. Use Personal Protective Equipment (PPE) during filter changes.
- Sentry Air Systems Fume, Gas, and Particulate Extractors are not intended to be used as a substitute for devices such as personal protective respirators which are designed to remove poorly adsorbed substances including carbon monoxide, methane, hydrogen, acetylene and other gases. Risk of serious injury, death, fire or explosion may result from improper use. If in doubt, consult with your industrial hygienist.
- Never use SAS Extraction Systems to extract fumes from highly flammable liquids and gases such as ether, gasoline and others. Risk of serious injury, death, fire or explosion may result.
- No part of SAS units or components may come into direct contact with fire or flame, smoking is prohibited.

DANGER

- Failure to comply with the operations and maintenance guidelines, filter replacement schedules, monitoring recommendations and safety guidelines contained herein, and in other relevant product safety literature provided with the substances and equipment producing the fumes to be extracted, could result in risk of serious injury, fire or explosion.
- Not intended for use in highly flammable or explosive environments, i.e. where the Lower

Flammability Limit for any chemical may be exceeded. Consult the specific Material Safety Data Sheet for questions regarding flammability limits and/or handling guidelines. DO NOT LEAVE EQUIPMENT UNATTENDED

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed.



TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY:

1. Do not leave unit unattended while turned on.
2. Use only manufacturer's recommended attachments and filters.
3. Do not use with damaged cord or plug.
4. Do not use in rain or other wet environment. Store indoors.
5. Do not pull or carry by flex arm or other attachment not intended for portability use.
6. Do not pull or carry by cord. To unplug, grasp the plug, not the cord.
7. Do not handle plug or unit with wet hands.
8. Do not put any objects into openings. Avoid loose clothing and jewelry near openings with moving parts.
9. Do not service unit while turned on. Disconnect power before servicing.
10. Do not change filters without Personal Protective Equipment (PPE).
11. Used filters must be changed periodically and disposed of correctly.
12. Do not use unit with missing or damaged filters.
13. Do not use unit to vacuum, or pick up, objects that are burning or smoking.
14. Do not smoke near unit.
15. Do not use to vacuum, or pick up, flammable or combustible liquids such as gasoline.
16. Do not vacuum toxic, combustible, carcinogenic or other hazardous materials such as arsenic, beryllium, lead or other health endangering materials.

Keep this manual in a safe place as its content are important for proper operations and maintenance.

Throughout the manual, make sure to understand the procedures for filter installation, removal, and replacement.

ALL SAS EQUIPMENT MUST BE STORED AND OPERATED INDOORS.

DISCLAIMER

Sentry Air Systems, Inc. disclaims all responsibility for any personal injury, property damage, fine, citation or penalty imposed by any government, private entity, or any other entity which results from any use, misuse or mis-application of any SAS products, failure of the user to properly use or to regularly maintain the product according to the recommended guidelines, or failure to adequately monitor fume extraction exhaust air and the ambient workplace air for the presence of harmful levels of gases, fumes, and particulates.

Compliance with all applicable environmental and personnel safety regulations is the sole responsibility of the user and adequate self-monitoring of exhaust air released into the atmosphere or the workplace as well as monitoring of the ambient workplace air is strongly recommended. To ensure continued effective performance, the following guidelines must be followed.

- General Safety Precautions
- Filter Safety Precautions
- Operation and Installation
- Maintenance
- Filter Installation and Replacement

OPERATION/INSTALLATION

GENERAL INSTALLATION PROCEDURES:

I. Placement of Equipment

- Unit: SAS Equipment should be positioned so that it will not block aisle ways or impede normal operating traffic or material handling pathways. It is important to position SAS Equipment to allow for proper clearance to remove the filter screws and replace the filter cartridges as needed.
- Exhaust: Typical systems will exhaust air out through the filters. When positioning the unit make sure that the exhaust area is not blocked or that airflow from the exhaust is not restricted in any way.
- Work Area: SAS Equipment should be positioned as close to the application/ work area as possible to maximize fume/dust capture. When using a flex hose, the suction point must be adequately placed in close proximity to the source of the contaminant. DO NOT create kinks or obstructions in the flex hose, as this will create a negative impact in the effectiveness of the equipment.



II. Power to Equipment

- FAILURE TO SUPPLY THE CORRECT INPUT POWER TO THE SAS EQUIPMENT MAY RESULT IN INJURY OR DAMAGE TO PERSONNEL AND /OR EQUIPMENT.
- SAS EQUIPMENT PLUGS INTO A STANDARD 115 VOLT, 60 HZ, SINGLE PHASE GROUNDED ELECTRICAL OUTLET.

III. Filter

- Before operating any unit, make sure all filters are correctly positioned, as filters may have shifted during shipment. All filters gaskets should be sufficiently compressed to accomplish filter sealing. Thumb screws must be well secured, but NOT over tightened.
- All filters are clearly marked with the filter type and direction of airflow. Identify which way the filters are installed to understand the direction of airflow.
- Refer to Assembly Instructions provided with equipment for further instructions.

MAINTENANCE



Motor: SAS supplied motors are nearly maintenance free. The motors do not require significant routine maintenance. Occasionally monitor air inlet perforations, fan blades, and motor to ensure excessive

particulate build up has not occurred. If there is a noticeable amount of fan vibration, inspect fan and cabinet for particulate build up. Contact factory if additional assistance is required.

Accessories: Cleaning of parts and accessories should be cleaned with non-aggressive cleaning solvent or detergent only. Make sure after cleaning that all parts are dry before using.

WARNING BIOHAZARD: DIRTY FILTERS MAY BE CONTAMINATED. Use Personal Protective Equipment (PPE) during filter changes.

Filter: Filter must be changed out regularly. Filter changes will vary by application and usage. SAS is not held liable for proper and/or timely filter changes.

Operating and Storage Environmental Conditions: ALL SAS EQUIPMENT MUST BE USED AND STORED INDOORS

Ambient Operating Temperature:
33°F to 110°F

Storage Temperature:
33°F to 100°F

Ambient Operating Humidity:
90% Relative humidity maximum non-condensing

Storage Humidity:
90% Relative humidity maximum non-condensing

FLEX HOSE ASSEMBLY

GENERAL INFORMATION:

PARTS: SAS Flex Hose Assembly comes equipped with a semi self-supporting round hose, round or square capture hood and hose clamp(s).

- a. Flex hose may come in 3” and 4” Diameters.
- b. Length of flex will vary by Model. Most flex arms are approximately 45”L, fully compressed.

USE: SAS provides flex hose to create a convenient and easy to use device for source capture. The flex hose must be placed adequately in close proximity to the source of the contaminant. DO NOT create kinks or obstructions in the flex hose, as this will create a negative impact in the effectiveness of the equipment.

NOTE: If your unit comes with a flex arm be sure to stretch (elongate) the arm vertically before bending it to avoid the arm snapping.

Occasionally, due to over-extension the flex hose may “pop apart.” When this happens DO NOT change the diameter of the flex hose by twisting the flex at the open sections. Simply, realign open ends and snap together. Although simple, this procedure may take two operators to complete. Contact SAS for further assistance. **See Diagrams on following page to fix Flex Hose**



FILTER INSTALLATION/REPLACEMENT

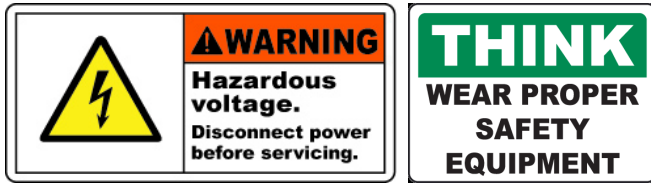
GENERAL INFORMATION:

- **Pre-Filter/Carbon Pre-Filter:** This filter removes coarse particles and dust from the ambient air. The pre-filter/carbon pre-filter must be changed regularly. Depending on your application and usage, it may need to be changed more or less frequently. Setting up a regular filter maintenance schedule is recommended.
- **HEPA Filter:** This filter removes particulates from the air. The HEPA Filter is up to 99.97% efficient on particles down to .3 microns in size. Filter replacement may vary due to application and usage.
- **Carbon Filter:** This filter reduces certain odors and gases that can be noxious to an operator or work area. See the Carbon Adsorption chart at the back of this manual. Filter replacement may vary due to application and usage.
- **Specialty Filters:** These filters are blended with different types of filter media to reduce certain odors and gases that are not suitable to a standard carbon filter. Filter replacement may vary due to application and usage.

MODEL 300 REPLACEMENT FILTERS

SS-300-PFP	MODEL 300 PRE-FILTER PADS – (Pkg. of 12)
SS-300-CFP	MODEL 300 ACTIVATED CARBON Pre-filter Pads – (Pkg. of 12)
SS-300-P65	MODEL 300-PRE-FILTER 65A 65% ASHRAE Pre filter Pads (Pkg. of 8)
SS-300-HF	MODEL 300 HEPA – Up to 99.97% Efficient on particles down to .3 in size.
SS-300-HFC	MODEL 300 HEPA FILTER – CERTIFIED
SS-300-UFC	MODEL 300 ULPA FILTER – CERTIFIED
SS-304-CF	MODEL 300 CARBON – 4 lb. Heavy-Duty Activated Carbon
SS-310-CF	MODEL 300 CARBON – 10 lb. Heavy-Duty Activated Carbon
SS-304-AGF	MODEL 300 ACID GAS FILTER – 4 lb. Heavy-Duty Acid Gas Filter
SS-310-AGF	MODEL 300 ACID GAS FILTER – 10 lb. Heavy-Duty Acid Gas Filter
SS-304-B50	MODEL 300 BLENDED FILTER – 4 lb. Heavy-Duty Special Blended Filter
SS-310-B50	MODEL 300 BLENDED FILTER – 10 lb. Heavy-Duty Special Blended Filter
SS-304-ASRB	MODEL 300 AMMONIASORB FILTER – 4 lb. Heavy-Duty Ammoniasorb Filter
SS-310-ASRB	MODEL 300 AMMONIASORB FILTER – 10 lb. Heavy-Duty Ammoniasorb Filter
SS-304-FORM	MODEL 300 FORMALDEHYDE FILTER – 4 lb. Heavy-Duty Formaldehyde Filter
SS-310-FORM	MODEL 300 FORMALDEHYDE FILTER – 10 lb. Heavy-Duty Formaldehyde Filter
SS-304-MERC	MODEL 300 MERCURY FILTER – 4lb. Heavy-Duty Mercury Filter
SS-310-MERC	MODEL 300 MERCURY FILTER- 10lb. Heavy-Duty Mercury Filter

FILTER INSTALLATION/REPLACEMENT PROCEDURE



REPLACEMENT PROCEDURE:

1. DISCONNECT POWER SUPPLY.
2. USE PERSONAL PROTECTIVE EQUIPMENT BEFORE HANDLING FILTERS OR OTHER ITEMS THAT MAY BE CONTAMINATED.
3. Position the fan/filter unit gently on its side.
4. Loosen all thumb screws until the base of the screws are flush with the inside of the filter cabinet. (Thumb screws must be flush with filter cabinet to avoid potential damage to the filters during removal or replacement).
5. Always follow local and national codes for disposal.
6. Replace filter as needed, making sure that the gasket faces toward the fan inlet.
7. Re-tighten all thumb screws until filter gasket is sufficiently compressed to accomplish filter sealing.
8. DO NOT over tighten.
9. Resume normal operation.

OPTIONS

Your unit may come equipped with an electronic hour counter and/or mini-helic gauge. These devices are options and intended to assist with the timing of filter changes and/or filter maintenance. Please contact your SAS rep with any questions regarding their usage.

*NOTE: These devices are provided to augment information and are not firm indicators of filter condition. Filter changes will vary by application and usage and are the sole responsibility of the user. Compliance with all applicable environmental and personnel safety guidelines is the sole responsibility of the user and strongly recommended. A reliable filter maintenance schedule is the responsibility of the user. Sentry Air Systems, Inc. will not be held liable for lack of proper and/or timely filter changes.

SPECIFICATIONS

MODEL	SS-300-MS
DESCRIPTION	Mounted Sentry
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 13.75" H w/ 6" Diameter Inlet Collar ~or~ 13" D x 13" W x 15.88" w/ 4" Diameter Inlet Collar
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
MOUNTING BRACKETS	(Qty.4) Epoxy Coated "L" shaped mounting brackets
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)

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WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-MSP
DESCRIPTION	Mounted Sentry with Outlet Plenum
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 13.75" H (Unit), 14" D x 10.5" W x 15" H (Plenum), 6" Dia. (Outlet)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
MOUNTING BRACKETS	(Qty.4) Epoxy Coated "L" shaped mounting brackets
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-MSS
DESCRIPTION	Mounted Sentry Single
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 13.75" H w/ 6" Diameter Inlet Collar ~or~ 13" D x 13" W x 15.88" H w/ 4" Diameter Inlet Collar
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
MOUNTING BRACKETS	(Qty.4) Epoxy Coated "L" shaped mounting brackets
FLEX HOSE	4" Dia. Flex Arm : (32" L x 4" Dia. Flex Hose w/ round hood and hose clamp) ~or~ 6" Dia. Flex Arm: (32" L x 6" Dia. Flex Hose w/ round hood and hose clamp)
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-MSD
DESCRIPTION	Mounted Sentry Double
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.

CABINET DIMS.	13" D x 13"W x 15.88" H w/ (Qty.2)-4"Diameter Inlet Collars
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
MOUNTING BRACKETS	(Qty.4) Epoxy Coated "L" shaped mounting brackets
FLEX HOSE	(Qty.2)-4"Dia. Flex Arms:48"L x 4"Dia. Flex Hose w/ round hood and hose clamp
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter) (175 CFM per arm), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-MSQ
DESCRIPTION	Mounted Sentry Quad
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13"W x 15.88" H w/ (Qty.4)-3"Diameter Inlet Collars
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
MOUNTING BRACKETS	(Qty.4) Epoxy Coated "L" shaped mounting brackets
FLEX HOSE	(Qty.4)-3"Dia. Flex Arms:48"L x 3"Dia. Flex Hose w/ round hood and hose clamp
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter) (88 CFM per arm), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-PFS
DESCRIPTION	Portable Floor Sentry
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 15.75" H w/ 6" Diameter Inlet Collar (with casters) ~or~ 13" D x 13" W x 17.88" H w/ 4" Diameter Inlet Collar (with casters)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
FLEX HOSE	4"Dia. Flex Arm : (45"L x 4"Dia. Flex Hose w/ round hood and hose clamp) ~or~ 6" Dia. Flex Arm: (45" L x 6" Dia. Flex Hose w/ 10.5" square hood and hose clamp)
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)

WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-FSD
DESCRIPTION	Floor Sentry Double
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13"W x 17.88" H w/ (Qty.2) 4" Diameter Inlet Collars (with casters)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
FLEX HOSE	(Qty.2)-4"Dia. Flex Arms:48"L x 4"Dia. Flex Hose w/ round hood and hose clamp
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter) (175 CFM per arm), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter) (150 CFM per arm)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-FSQ
DESCRIPTION	Floor Sentry Quad
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13"W x 17.88" H w/ (Qty.4) 3" Diameter Inlet Collars (with casters)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
FLEX HOSE	(Qty.4)-3"Dia. Flex Arms:48"L x 3"Dia. Flex Hose w/ round hood and hose clamp
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter) (88 CFM per arm), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter) (75 CFM per arm)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-WFE
DESCRIPTION	Welding Fume Extractor
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 15.75" H w/ 6" Diameter Inlet Collar (with casters) ~or~ 13" D x 13" W x 17.88" H w/ 4" Diameter Inlet Collar (with casters)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
FLEX HOSE	4"Dia. Flex Arm : (45"L x 4"Dia. Flex Hose w/ round hood and hose clamp) ~or~ 6" Dia. Flex Arm: (45" L x 6" Dia. Flex Hose w/ 10.5" square hood and hose clamp)

ACCESSORIES	Magnehelic Gauge and Portability Handle
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-WS
DESCRIPTION	Winged Sentry
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13.75" D x 13" W x 13" H (cabinet only), 14" D x 30" W, 30" H (work area), Width will vary with hinged side flaps.
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-WSL
DESCRIPTION	Winged Sentry w/ acrylic lid
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13.75" D x 13" W x 13" H (cabinet only), 14" D x 30" W x 12" H (work area with acrylic lid)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-TS
DESCRIPTION	Table Sentry w/ 1" Slot Hood ~or~ 4" Slot Hood
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 14.75" H (with 2" slot hood), 13" D x 13" W x 17.75" H (with 4" slot hood)

BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-PRAC
DESCRIPTION	Portable Room Air Cleaner
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50LBS.
CABINET DIMS.	13" D x 13" W x 15.75" H (with casters)
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	58 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-PYT
DESCRIPTION	Python Portable Floor Sentry
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 40LBS.
CABINET DIMS.	15.5" L x 13" W x 16.5" H
ARM DIMENSIONS	4" Round x 12 ft. Flame Retardant Hose w/ Magnetic Capture Hood and Handle, Optional 25 ft. Hose Available. Upgraded Python HD hood w/ inlet grill & dual magnets available.
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	61 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-MIST
DESCRIPTION	Mist Collector
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 55-60 LBS.

CABINET DIMS.	15.5”L x 13”W x 21.25”H
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	61 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-300 CFM, Low-50 CFM
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

MODEL	SS-300-SKY
DESCRIPTION	Wall Mounted Sky Sentry
ELECTRICAL	115/1/60, Approx. 2 amps
WEIGHT	Approx. 50-80 LBS.
CABINET DIMS.	13”L x 13”W x 16.5”H
ARM DIMENSIONS	4” Round x 32” Long fire retardant flex hose 62.5” Swivel Radius when unit is mounted 52” above work surface
BLOWER MATERIAL	16 ga. carbon steel w/ polyester epoxy coating on all surfaces.
SOUND LEVEL	61 to 66 dba Variable Speed Controller (Low to High)
AIRFLOW	High-350 CFM, Low-50 CFM (Pre-Filter and HEPA Filter), High-300 CFM, Low-50 CFM (Pre-Filter and 10 lb. Carbon Filter)
WARRANTY	Limited two-year warranty from date of shipment on defects due to materials or workmanship
PATENTED DESIGN	U.S. PATENT #5,843,197

****All specifications are nominal and subject to change without notice.****

WARRANTY

DISCLAIMER:

Sentry Air Systems, Inc. disclaims all responsibility for any personal injury, property damage, fine, citation or penalty imposed by any government, private entity or any other entity which results from any use, misuse or mis-application of any SAS products, failure of the user to properly use or to regularly maintain the product according to the recommended guidelines, or failure to adequately monitor fume extraction exhaust air and the ambient workplace air for the presence of harmful levels of gases, fumes, and particulates.

Compliance with all applicable environmental and personnel safety regulations is the sole responsibility of the user and adequate self-monitoring of exhaust air released into the atmosphere or the workplace as well as monitoring of the ambient workplace air is strongly recommended. To ensure continued effective performance, the fore mentioned guidelines must be followed.

LIMITED WARRANTY:

Sentry Air Systems, Inc. warrants to the first user that this equipment will be free of defects in materials and workmanship for a period of two (2) years from the date of shipment.

This warranty does not cover repair or replacement required as a result of misuse, mishandling or

improper storage. Failure to perform recommended routine maintenance, alterations, or repairs made other than in accordance with Sentry Air System's directions, or removal or alteration of identification plates in any way will void this warranty. This warranty is available to the first user, but the exclusions and limitations herein apply to all persons and entities.

This warranty does not apply to consumable items such as filters, hoses or electrical components.

SENTRY AIR SYSTEMS, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Within the warranty period, Sentry Air Systems, Inc. will, at its option, repair or replace any defective equipment or parts at its facility or other locations approved by it at no charge to user or provide parts with charge for installation by qualified technicians in the field at user's expense and risk. User will be responsible for all costs of shipping and handling of equipment to Sentry Air Systems or other location for warranty service.

EXCEPT FOR THE REMEDY ABOVE DESCRIBED, UNLESS OTHERWISE REQUIRED BY APPLICABLE LAW, SENTRY AIR SYSTEMS WILL HAVE NO OTHER OBLIGATION WITH REGARD TO ANY BREACH OF WARRANTY OR OTHER CLAIM WITH RESPECT TO THE EQUIPMENT, OR LIABILITY FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, OR INCIDENTAL LOSS OR DAMAGE CAUSED BY OR OCCURRING IN CONNECTION WITH ANY OF THE EQUIPMENT.