

RSI Cartridge Dust Collection Booths



Standard Specifications

Unit	Horse Power	Phase	CFM	Static	Cartridge Filter Size	Dust Drawers	Drive
48120	5	1 or 3	4800	1"	2 @ 16" X 35"	1	Direct
85120	7 ½	3	10,200	1"	4 @ 16" X 35"	2	Direct

*Filter cleaning in both units can be timer regulated or performed manually.

Features:

- * The filter cartridge arrestance factor ensures 99.97% efficiency for particles .5 micron and larger.
- * Timers control the back pulses of air during filter cleaning.
- * Interior filter cones enhance filter cleaning by forcing pulsed air through the filter faster, more evenly, and more thoroughly.
- * Machine design allows fast filter removal, taking only seconds. Some competition's filters take several minutes to remove.
- * Frontal access of dust drawers, filters, motors, and controls creates user-friendly machines.
- * Both booths run quietly, at only 75 decibels.
- * A clear heavy mill vinyl encloses the work area, allowing light to enter work area while preventing operator claustrophobia.
- * Power unit ships in two pieces, with the bottom filter area and the top motor with controls in separate crating. Assembly time requires approximately two hours with two men.

Sizes:

- * No Size Is Too Big! RSI produces booths in modules, with a single unit width up to 14'. Multiple unit combination creates booths as large as needed increasing in 14' increments.
- * Feet per minute of air travel vary, depending on work area width. For example, a 14' wide 85120 produces 105' per minute of air travel whereas the same unit with a 10' wide booth gets 145' per minute.

Options:

- * Work areas may be different widths.
- * Booths are available deeper than 10' standard depth.
- * Booths height may be altered.
- * Dust booth light bars are available.
- * Booths can be custom built for conveyors.
- * Down draft floors can be included.

RSI has been developing a dust booth usable in applications too large for the down draft table. The dust booth now offers some unique features, making them stand out from the competition. RSI's dust booth introduces air into the filters from the top, helping to prevent dust from sucking back onto the filter after the cleaning pulse blows dirt off. Many competitors machines allow the dirty air to enter the filter area from the sides, and when the filters are pulsed the dust blown off sucks back onto the filter.

RSI prides themselves on building custom tables to fit customer needs, and will do the same with the dust booth. Call to discuss any ideas and thoughts you might have concerning the dust booth, and let RSI build a unit that fits your needs instead of changing your operation to fit a standard built unit.

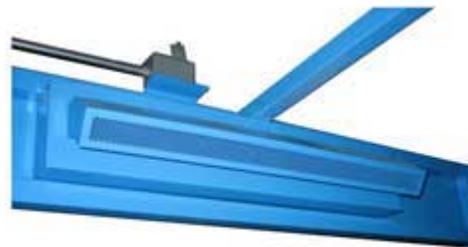


Cartridge Dust Booth



Positive Air Fan

Mounted in front of Booth to gently push the dirty air back toward the filter unit.



Positive Air Baffle

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RSI Downdraft Tables



Standard Model: 36-48-SD

RSI Builds Downdraft Dust Table for most every industry, from the small woodworking operation to the large several hundred employee facility. RSI has prided themselves in producing a machine that is user friendly for the operators. RSI has custom built hundreds of machines that are designed to fit the particular need for that customer. RSI has 2 models with over 20 different sizes to choose from, the tube filtration is mostly designed for the woodworking application, cleaning to 1 micron with a 99% efficiency, very easy filter cleaning, with the dust falling into a drawer below the filters. Cartridge filters are the industry leading filtration; they are designed with many square feet of media to maintain a higher airflow, with smaller particle capture rate. Different media can be used for different dust applications. Cartridge filters are cleaned by compressed air, activated either by a timer in the machine or push button, activated by the operator

Below is a list of Applications that can be used with the RSI Downdraft Table.

Wood Sanding
Composite Sanding
Hobby/Home Workshop
Finishes
Solid Surface
Granite
Carbon Fiber
Carbide
Glass
Polishing of most Non-Ferrous

Routing
Sealer Sanding
Fabrics
Plastics and Plastic Products
Marble
Fiberglass
Rubber
Diamond
Mixing Powders

Metals
Grinding
Polishing
Welding
Brazing
Light Plasma Cut
Accessories
Hand Drills

GENERAL INFORMATION FOR METAL TABLES MOTORS

Motors are totally enclosed fan cooled (TEFC). Hazardous location motors are available upon request. These motors will have the mag. starters and timers but they will not be mounted on the machine. The buyer must mount the switches on the wall at the distance allowed by OSHA or their insurance company. If the buyer wants the switches mounted on the machines, we must have it in writing that they understand that these machines are not to be set in a location where hazardous fumes are present.

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RSI Downdraft tables are an industry leader in wood, metal, and many other dust control applications. Our tables are specially suited to control dust during sanding, routing, cutting, and finishing of wood, fiberglass and plastics as well as welding, grinding, polishing, and cutting of metal products. Our tables and booths help clean the ambient air for an all around cleaner, safer, and healthier work environment.

Below are specifications on a few of our many Standard Models.



Model 3696 Features the new tube filtration system, which cleans with a 99% capture rate at 1 micron. These tables are very popular with the small to medium sized shops. Many large shops use this model line when sanding small items to allow each sander to have their own station. Standard features are 115 volt and casters and these features can be varied. They come with 4 - swivel casters including two that lock. When mobility is important this model line is your best choice

Size : 36" x 96" Height: 36"

CFM : 3800

Motor : 3PH/2HP, 1PH 1½HP

Sound Level : 78 Dec

Options : Exhaust Chimneys, Exhaust Mufflers, Magnehelic Gauges, HEPA Filter Banks, and 3-Sided 20" Shields

Model 4800 Features the new tube filtration system, which cleans with a 99% capture rate at 1 micron. This table has been used in chair factories because its height can be ordered to 29" tall. They come with 4 - swivel casters including two that lock. When mobility is important this model line is your best choice.

Size : 48" x 48" Height: 36"

Weight : 550 lbs

CFM : 3400

Motor : 2HP/3PH

Voltages : 230 or 460 volt, must specify

Sound Level : 77 Dec

Options : Exhaust Chimneys, Exhaust Mufflers, Magnehelic Gauges, HEPA Filter Banks, and 3-Sided 20" Shields



Model 3444B It comes equipped with roll around casters and push button cleaning. The filter is 175 square feet of 80/20 media that cleans at 0.5 micron with a 99.95% efficiency. Additional features of this model are a woodworking vise, and tilt out on the front for edge sanding.

Size : 34" x 44" x 36" Tall

Weight : 510 pounds

CFM : 1800

Motor : 1 HP 1PH or 3PH

Voltages : 120/220/1Ph/60Hz 230/460/3Ph/60Hz

Sound Level : 65 decibels

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OPTIONAL AND STANDARD COMPONENTS ON ALL UNITS.

RECEPTACLES

Receptacles are only standard on the 3646BG single phase machine. They may be ordered for the other machines. On any three-phase machines, single-phase power must be brought to machines for the receptacles. If you feel that receptacles are important for your machine, figure the location for them and have the receptacles installed at the factory.

CASTERS

Casters are standard on the 3646BG table. Casters may be installed on the other machines but they will alter the height some. Casters must be installed at the factory; they are not an after market item.

WORK SURFACE

Work surface is standard 1" grate 35 lbs. per square foot. Heavier grate and fiberglass grate is available if needed. A removable rubber pad for the steel grate is also available for protecting polished products.

EXHAUST CHIMNEY

The chimneys on RSI's machines are located on the end of the machine and are a standard feature on models 9600BG and 7200BG. Without a chimney the exhaust may be too much air for the surrounding environment. Chimneys are optional on the 2872BG and the 3644BG tables.

WATER PANS

Water pans force the grit and sparks to cross the water before entering flame retardant filters. This system will help prevent any hot slag from entering the filter compartment. It would also be a great asset when plasma cutting.

CENTRAL SYSTEM UNITS

Although RSI's main focus is on self-contained units we also build, on special order, non-motorized units for central systems. These units are built to meet your needs. They contain inside deflectors to prevent the majority of the grit and sparks from entering the vacuum system. Water pans are available as an option.

SPARK SHIELDS

20" tall shield around the work area. These shields are hinged and removable to accommodate larger or longer work pieces. These are designed to increase the efficiency of the table and to protect co-workers, bystanders, and the work area. These may also be altered to fit the user's needs

Informative video available upon request

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Rhodes Systems International, Inc. (RSI, INC.) Louisville, Kentucky is a world leading supplier of surface finishing systems. From a custom designed conveyor, to a complex finishing system

RSI, Inc. can handle the project from start to finish! RSI has developed multitudes of ground breaking improvements in the field of finishing system and conveyor technology! RSI will develop, engineer, and design the entire factory around the finishing system and/or production conveyor system.

“Single source solution” is one in the same to the RSI name! RSI finishing systems and our patented conveyor systems are the answer to a vast array of industries! With years of in-house experience in the wood, metal and plastic/composite Industries, RSI brings experience to finding a solution for your needs. RSI has prided themselves as "problem solvers". From a single component to the most complex finishing or material handling system,

RSI can help you!

We thank you for your consideration of RSI for all your application needs.

The “Customer IS and WILL always be #1”! This will never change!

Again, thank you for considering RSI Inc.

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