

# 1HP Cartridge Dust Collector - 1000 CFM

## *Product Manual*



## THE MOST POWERFUL DUST COLLECTOR IN ITS CLASS... GUARANTEED

Thank you once again for purchasing a Romanoff International Supply machine product. Your product has been thoroughly tested and inspected prior to being shipped. Should any damage have occurred in transit, please contact the freight forwarder immediately.

The receiver of a product must file a claim with the carrier within 14 days of receipt. If any assistance is required in processing the claim, do not hesitate to contact Romanoff International at (631) 842-2400 EXT 116.

### **ATTENTION!**

This-unit is equipped with a 220 volt 3 phase motor, wiring should be done by a qualified electrician. Before running your machine, you must confirm the rotation of the blower wheel. Correct motor rotation is indicated by an arrow on the wheel housing located in the top compartment of unit.

Unit should be turned on and off for 1 second to make sure the wheel is rotating in the direction indicated by arrow. If not, the electrician must switch two of the three poles, either on the switch or in your panel.

All electrical work must be performed by a qualified electrician.

## **INSTRUCTIONS**

Remove the dust collector from its packaging and place on a sturdy and level surface. Operation of this or any other type of equipment should be done by trained personnel.

Plug the unit's cordsets into grounded electrical receptacles. Never remove or alter original plugs supplied with the unit's power cords. The dust collector can be easily turned on by the power switch located on the front right-hand side of the unit. Please take note that the dust collector, polishing motor and polishing hoods each have their individual on/off switches.

The dust collector cabinet has a side hinged access door, which houses the cartridge filter. The access door must always be tightened when unit is in use.

Unit is supplied with four suction ports. Orange plastic covers are supplied with the unit to cover the inlets not being used.

**PLUG UNIT DIRECTLY INTO OUT LET DO NOT USE ANY EXTENSION CORDS**

## **SAFETY PRECAUTIONS**

- Keep all fastening hardware, including spindles, tight to ensure that the unit is in a safe working condition.
- Unplug unit from electrical outlet when any servicing is being done.
- Never operate unit without access doors securely in place.
- Keep all loose clothing, hair or dangling objects from shafts or buffing wheels.

## **OPERATION PRINCIPLE**

The air is drawn into the unit through the inlets on either side of the machine. The contaminated air passes through the cartridge filter. Larger particles are deflected down towards the collecting pan located below the filter. The clean air is then released through the discharge grill.

\*Note: It is critical that the discharge grill located on the switch side of the machine not be blocked in any way. The unit's exhaust must have a minimum clearance of 4 inches to insure maximum suction efficiency. Never place exhaust side of machine up against a wall or object.

## **EQUIPMENT MAINTENANCE PROCEDURES:**

The unit is equipped with a double-shielded permanently lubricated ball bearing motor, assuring long life and quiet operation. No additional motor maintenance is required.

Proper maintenance is critical to extend the life and efficiency of the filtration system. The information presented below outlines basic maintenance procedures to ensure your unit will provide a trouble free and clean work environment for years to come.

## **EQUIPMENT MAINTENANCE PROCEDURES:**

Polishing dust is accumulated onto the outside surface of the pre-filter located in the filter compartment of the dust collector. Romanoff recommends changing the filter once a year. The filter can be easily changed by following these simple steps:

1. Power unit off
2. Unplug unit from power supply
3. Open side access door by loosening the thumb-screw in a counter-clockwise direction.
4. Remove filter from the unit and place new filter on the cartridge filter.
5. Follow procedure backwards to install filter, verifying that the filter gasket located on the open end of the filter is inserted properly (insert gasket side first).

The dust in the collecting pan should be removed and stored once a week. It is very difficult to pre-determine a specific maintenance schedule, as the rate of dust loading will vary for each person. To ensure maximum suction throughout life of unit, Romanoff recommends the cartridge filter be changed once every twelve months.

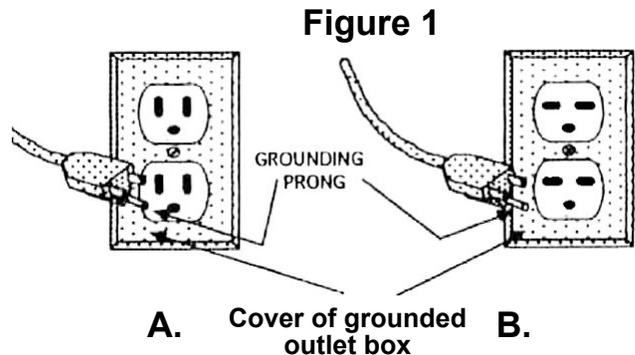
\*NOTE: When opening side access door to remove collecting pan or change pre-filter or filter, unit must be powered off.

# SAFETY INSTRUCTIONS

## 1. GROUND INSTRUCTIONS

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire.

Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like that shown in sketch (A) in Figure 1. If it is for use on 150 to 250 volts, it has a plug that looks like that shown in sketch (B). Use of an extension cords or a 2 prong adapter is not recommended.



## 2. TOOL SAFETY INSTRUCTIONS

### 1. Keep Work Area Clean

Cluttered areas and benches invite accidents.

### 2. Avoid Dangerous Equipment

Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.

### 3. Keep Children Away

All visitors should be kept safe distance from work area and appliance.

### 4. Store Idle Tools

When not in use, tools should be stored in dry, high, and locked location out of the reach of children.

### 5. Don't Force Tool

It will do the job better and be safe at the rate for which it was designed.

### 6. Use Right Tool

Don't force small tool or attachment to do the job of a heavy-duty tool.

### 7. Wear Proper Apparel

Do not wear loose clothing or jewelry which may get caught in moving parts. Tie back long hair or use a proper hair net.

### 8. Use Safety Glasses

Use safety glasses with all rotating tools. Also use a face or dust mask if cutting operation is dusty.

### 9. Don't Abuse Cord

Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.

### 10. Secure Work

Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

### 11. Don't Overreach

Keep proper footing and balance at all times.

### 12. Maintain Tools with Care

Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

### 13. Disconnect Tools

When not in use; before servicing; when changing accessories such as blades, bits, cutters, etc.

### 14. Avoid Accidental Starting

Be sure switch is OFF when plugging in.

## **WARRANTY POLICY**

Romanoff warrants all products furnished by it are free from defects in material and workmanship at the time of shipment for a period of eighteen (18) months from the date of shipment, or one (1) year from the date of installation, whichever occurs first. Claims must be made during that period and are limited to the replacement of parts claimed to be defective.

This warranty shall not extend to products that have been misused, neglected, altered or repaired without factory authorization during the warranty period. Operating conditions beyond our control such as improper voltage, excessive ambient temperatures, or other conditions that would affect the performance or life of the product will also cause the warranty to become void.

Permission to return parts for warranty repair must be obtained, and all returns must be prepaid factory. If, after examination, the product or part is found to be defective, it will be repaired or replaced on a no-charge basis and returned. On the other hand, if it is determined that the warranty has not been breached by Romanoff then the usual charges for repair or replacement will be made. Parts or products that are obsolete or those made to special order are not returnable.

This limited warranty applies only to the above and is for the period set forth. Romanoff maximum liability shall not, in any case, exceed the contract price for the product, part, or component claimed to be defective; and Romanoff assumes no liability at all for any special, indirect, or consequential damages arising from defective equipment.

THERE ARE NO WARRANTIES APPLIED OR EXPRESSED THAT EXTEND BEYOND THOSE CONTAINED IN THIS LIMITED WARRANTY.