



# Air Filtration

## 10-1440



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Revised: 12-2020

## **IMPORTANT SAFETY INSTRUCTIONS:**

WARNING – To reduce risk of injury:

1. FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL BEFORE OPERATING THE TOOL. Learn the tool's application and limitations as well as the specific hazards peculiar to it.
2. KEEP GUARDS IN PLACE and in working order.
3. ALWAYS WEAR EYE PROTECTION.
4. GROUND ALL TOOLS. If tool is equipped with three prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two prong receptacle, the adapter lug must be attached to a known ground. Never remove the third prong.
5. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
6. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well-lighted.
7. KEEP CHILDREN AND VISITORS AWAY. All children and visitors should be kept a safe distance from work area.
8. MAKE WORKSHOP CHILDPROOF. Use padlocks, master switches, or remove starter keys.
9. DON'T FORCE TOOL. It will do the job better and be safer at the rate for which it was designed.
10. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.
11. WEAR PROPER APPAREL. No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
12. ALWAYS USE SAFETY GLASSES. Wear safety glasses (must comply with ANSI Z87.1). Everyday eyeglasses only have impact resistant lenses; they are not safety glasses. Also use face or dust mask if cutting operation is dusty.
13. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hands and frees both hands to operate tool.
14. DON'T OVERREACH. Keep proper footing and balance at all times.
15. MAINTAIN TOOLS IN TOP CONDITION. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. DISCONNECT TOOLS before servicing and when changing filters.
17. USE RECOMMENDED ACCESSORIES. The use of accessories and attachments not recommended by manufacturer may cause hazards or risk of injury to persons.
18. AVOID ACCIDENTAL STARTING. Make sure switch is in "OFF" position before plugging in power cord.

19. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the fan blade is accidentally contacted.

20. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function- check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

22. DRUGS, ALCOHOL, MEDICATION. Do not operate tool while under the influence of drugs, alcohol or any medication.

23. MAKE SURE TOOL IS DISCONNECTED FROM POWER SUPPLY while motor is being mounted, connected or reconnected

WARNING: This product can expose you to chemicals including lead which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <http://www.p65warnings.ca.gov>.

WARNING: Drilling, sawing, sanding or machining wood products generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards for personal protection. Wood products emit chemicals known to the State of California to cause birth defects or other reproductive harm. For more information go to <http://www.p65warnings.ca.gov/wood>.

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## DESCRIPTION

This powerful unit is perfect for the smaller home shop. Simply hang it from the ceiling plug it in and let it do its thing. With the NEW auto dust sensor, the machine will automatically sense when there is dust in the air and turn itself on. It also senses when the air is clean and will automatically turn itself off.

This NEW machine is so SMART it will clean the air in your shop without you even thinking about it.

This unit was the first in the industry with the SMART auto sensor, remote control, timer and three speeds will quickly become the industry standard.

## FEATURES

- The Patent pending SMART™ Auto Dust Sensor will automatically turn the machine on and off when it senses the dust levels in the air.
- Two-Filter System with Air Diffuser disperses outgoing air into a broader pattern
- Disposable Electrostatic Outer Filter attracts more dust particles than standard filters
- Inner Pocket Filter is removable for easy cleaning
- Folding Handle allow easy portability of unit
- Remote Control has built-in timer with a 1-12 hour settings; automatically shuts system off at the end of the time setting
- Fully-Enclosed Ball Bearing Motor with Overload Protection for long, dependable service

## Electrical Requirements

- In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.
- Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor, with insulation having an outer surface that is green with or without yellow stripes, is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.
- Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
- Use only three wire extension cords that have three-prong grounding plugs and three-pole receptacles that accept the tool's plug\*.
- Repair or replace a damaged or worn cord immediately.
- This tool is intended for use on a circuit that has an outlet that looks the one illustrated in Figure A below. The tool has a grounding plug that looks like the grounding plug as illustrated in Figure A below. A temporary adapter, which looks like the adapter as illustrated in Figures B below, may be used to connect this plug to a two-pole receptacle, as shown in Figure B if a properly grounded outlet is not available.\*\* The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear or tab, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box.



\* Canadian electrical codes require extension cords to be certified SJT type or better.

\*\* Use of an adapter in Canada is not acceptable.

## Specifications: #10-1440

Stock Number .....	10-1440 M1
Outer Filter .....	5 Microns
Inner Filter .....	1 Micron
Overall Dimensions (H/in x Diameter) .....	31-1/2" x 14"
Sound Rating @ 3ft .....	High Speed 75 dB
.....	Medium Speed 69 dB
.....	Low Speed 65 dB
Air Flow .....	High Speed 1550 CFM
.....	Medium Speed 1260 CFM
.....	Low Speed 980 CFM
Filter Cycle (min).....	2.06
Cycles per Hour (20'x20'x8') .....	29.13 Cycles
Motor .....	115V, 60Hz, 1 PH, 6P, 5.5A
Net Weight .....	31 lbs.
Shipping Weight .....	34 lbs.

### For Your Own Safety

1. Read and understand instruction manual before installing or operating air cleaner.
2. To reduce the risk of injury disconnect the air cleaner from the power source (unplug) before servicing or changing filters.
3. If ceiling mounted, bottom of air cleaner must be at least 7 feet above the floor.
4. If ceiling mounted, mounts must be anchored to building structure which will support a minimum of at least 100 pounds. Never mount to surfaces such as dry wall or false ceiling grids, etc.
5. To reduce the risk of electrical shock, do not expose air cleaner to water or rain.
6. Never duct a machine directly into the air cleaner.
7. To avoid a potentially dangerous situation, do not use this equipment to filter flammable vapors or smoke. This air cleaner is designed and intended for the filtration of air borne wood dust only. It is neither designed nor intended for any other purpose whatsoever.
8. Failure to comply may result in serious injury and / or property damage.

The above specifications were current at the time this manual was published, but because of our policy of continuous improvement, GENERAL reserves the right to change specifications at any time and without prior notice, without incurring obligations.

**Contents of shipping carton:**

- 1 Air Filtration Unit
- 1 Manual and Warranty Card



## Assembly

CAUTION: ⚠

**THERE IS NO ASSEMBLY REQUIRED FOR THE #10-1440 AIR FILTRATION UNIT. Remove unit from the box.**

### OPERATING INSTRUCTIONS:

- 1) Plug unit into power source.
- 2) To turn unit ON/OFF, Press I/O button.
- 3) To run in "AUTO" mode, **using the infrared sensor**, PRESS "AUTO" once unit is on. The unit will turn on once it senses particulates in the air and filter, once air is cleaned, it will shut off.
- 4) To run in "MANUAL" mode, press "FAN" once unit is on, and adjust fan speed, LOW, MEDIUM or HIGH, by pressing the + or – button for desired fan speed.
- 5) To set timer, 1-12 hours, press "TIME", button once unit is on, then press + to increase hours & - to decrease hours, until desired number of hours comes up on screen. Unit will run then shut off at set time.
- 6) When running time hits pre-set value, the display screen will light up indicating the filter(s) need cleaned/changed. Once cleaned/changed, press "FILTER" button to reset preset value (Time).  
User can also clean filter before indicator light comes on. SEE "Cleaning Filters".





### **Cleaning/Changing the Filters:**

To reduce the risk of injury, disconnect the air cleaner from the power source (unplug) before servicing or changing filters. Failure to comply may cause serious injury!

There are two (2) filters that need to be cleaned/changed. The outer filter can easily be removed by disengaging the spring clamp from the top of the unit. (fig 3:). Now you can simply pull the filters out.

Once removed from unit, the inner filter (Fig 4.) can now be pulled out of the outer filter. Both filters can be blown out with compressed air. The filters should be replaced depending on the amount of usage and the environment of your shop.

Clogged filters will reduce the amount of air circulation. There is an arrow indicating the air flow direction on the outer filter. Make sure the filter is inserted facing the proper direction.

Fig. 2



Fig. 3



Fig.4



### **Replacement Filters**

#### **OPTIONAL FILTERS:**

Electrostatic outer filter  
Washable electrostatic outer filter  
Inner filter  
Charcoal filter  
HEPA filter

### **Replacement Parts:**

To order parts or reach our service department, call 888-664-0449, Monday through Friday (see our website for business hours, ([www.GENERAL.ca](http://www.GENERAL.ca))). Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly.

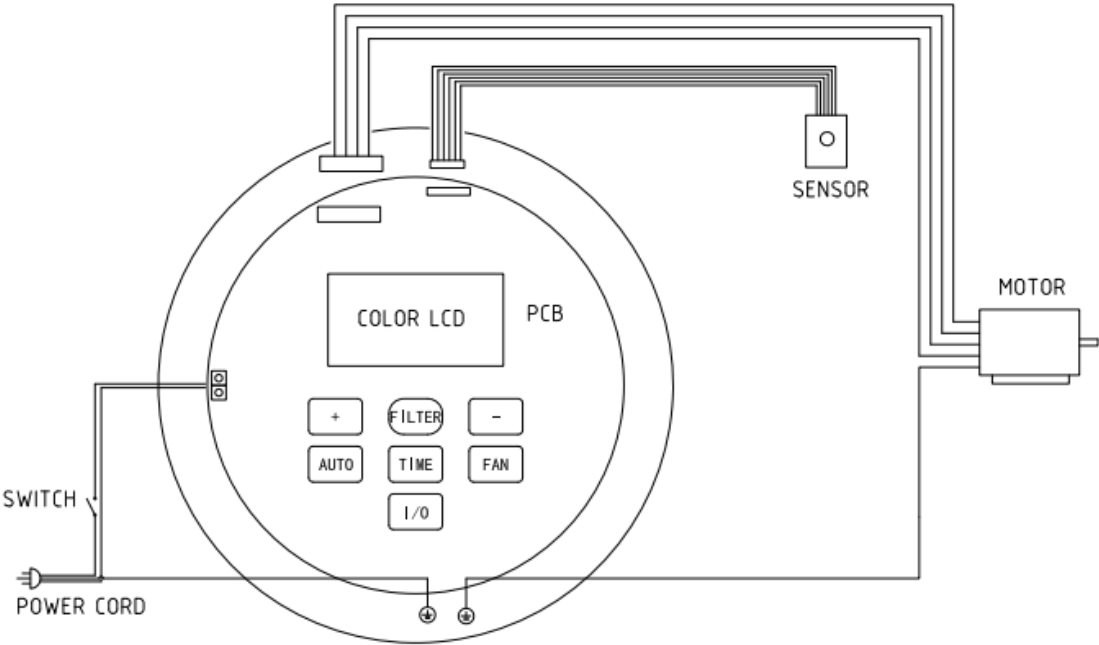
This exploded view diagram illustrates the assembly of a vacuum cleaner. The main components are shown in a vertical stack, separated by dashed lines to indicate their relative positions and assembly sequence. The parts are numbered as follows:

- 1**: Main cylindrical body with vertical ridges.
- 2**: Upper flange or collar.
- 3**: Upper cylindrical section with vertical ridges.
- 4**: Small circular component, possibly a filter or cap.
- 5**: Small circular component, possibly a filter or cap.
- 6**: Small circular component, possibly a filter or cap.
- 7**: Small circular component, possibly a filter or cap.
- 8**: Small circular component, possibly a filter or cap.
- 9**: Small circular component, possibly a filter or cap.
- 10**: Power cord with a standard two-prong electrical plug.
- 11**: Small rectangular component, possibly a switch or control panel.
- 12**: Small rectangular component, possibly a switch or control panel.
- 13**: Small rectangular component, possibly a switch or control panel.
- 14**: Small rectangular component, possibly a switch or control panel.
- 15**: Small rectangular component, possibly a switch or control panel.
- 16**: Small rectangular component, possibly a switch or control panel.
- 17**: Small rectangular component, possibly a switch or control panel.
- 18**: Small rectangular component, possibly a switch or control panel.
- 19**: Small rectangular component, possibly a switch or control panel.
- 20**: Small rectangular component, possibly a switch or control panel.
- 21**: Small rectangular component, possibly a switch or control panel.
- 22**: Large circular component with a grid pattern, possibly a filter or motor housing.
- 23**: Small rectangular component, possibly a switch or control panel.
- 24**: Small rectangular component, possibly a switch or control panel.
- 25**: Small rectangular component, possibly a switch or control panel.
- 26**: Small rectangular component, possibly a switch or control panel.
- 27**: Small rectangular component, possibly a switch or control panel.
- 28**: Small rectangular component, possibly a switch or control panel.
- 29**: Small rectangular component, possibly a switch or control panel.
- 30**: Small rectangular component, possibly a switch or control panel.
- 31**: Small rectangular component, possibly a switch or control panel.
- 32**: Small rectangular component, possibly a switch or control panel.
- 33**: Small rectangular component, possibly a switch or control panel.
- 34**: Small rectangular component, possibly a switch or control panel.
- 35**: Small rectangular component, possibly a switch or control panel.
- 36**: Small rectangular component, possibly a switch or control panel.
- 37**: Small rectangular component, possibly a switch or control panel.
- 38**: Small rectangular component, possibly a switch or control panel.
- 39**: Small rectangular component, possibly a switch or control panel.
- 40**: Small rectangular component, possibly a switch or control panel.
- 41**: Small rectangular component, possibly a switch or control panel.
- 42**: Small rectangular component, possibly a switch or control panel.
- 43**: Small rectangular component, possibly a switch or control panel.

### **#10-1440 PART NUMBERS:**

PARTS	REFERENCE	DESCRIPTION	SPECIFICATION	QTY.
1	10-1440-1	Barrel		1.000
2	10-1440-2	Locking collar		1.000
3	10-1440-3	Round filter	HEPA/H12	1.000
4	10-1440-4	Eyebolt	M6×20	2.000
5	10-1440-5	Hex nut	GB/T6170/M6	2.000
6	10-1440-6	Cross pan head screw	GB/T818/M5×12	4.000
7	10-1440-7	Cross pan head screw	GB/T818/M4×10	15.000
8	10-1440-8	Power switch	10A/125V	1.000
9	10-1440-9	Cable gland	6P-4	1.000
10	10-1440-10	Power cable	DLC3KEE9S-A-BPS	1.000
11	10-1440-11	Control unit		1.000
12	10-1440-12	Button label		1.000
13	10-1440-13	Round PCB		1.000
14	10-1440-14	Self-tapping screw	GB/T845/ST3.5×6.5/F	8.000
15	10-1440-15	Capacitor	CBB61/250VAC/50/60HZ/14uF	1.000
16	10-1440-16	Cross pan head screw	GB/T818/M4×16	2.000
17	10-1440-17	Arc cover		1.000
18	10-1440-18	Spring washer	GB/T93/4	6.000
19	10-1440-19	Tooth washer	GB/T862.1/4	2.000
20	10-1440-20	Rubber ring		0.500
21	10-1440-21	Rubber ring		2.000
22	10-1440-22	Cover		1.000
23	10-1440-23	Cable	DL1EHB-H-B-P	1.000
24	10-1440-24	Cross pan head screw	GB/T818/M5×8	12.000
25	10-1440-25	Flat washer	GB/T97.1/5	8.000
26	10-1440-26	Jam nut	GB/T889.1/M5	4.000
27	10-1440-27	Draught fan		1.000
28	10-1440-28	Upper bracket		4.000
29	10-1440-29	Upper bracket		4.000
30	10-1440-30	Wiring	ZH1.5	1.000
31	10-1440-31	Hood		1.000
32	10-1440-32	Clapboard		1.000
33	10-1440-33	Silica sealing strip	10×4	1.700
34	10-1440-34	Dust sensor		1.000
35	10-1440-35	Hex nut	GB/T6170/M4	2.000
36	10-1440-36	Bracket		1.000
37	10-1440-37	Big washer	GB/T96.2/8	1.000
38	10-1440-38	Nut	GB/T6170/M8	1.000
39	10-1440-39	Footing	M8×50	1.000
40	10-1440-40	trundle	1.5"	2.000
41	10-1440-41	Cross pan head screw	GB/T818/M6×12	6.000
42	10-1440-42	Collapsible handle	L=138	1.000
43	10-1440-43	Cross pan head screw	GB/T818/M5×10	2.000

10-1000 M1 Wiring Diagram:



## **Warranty Statement and Policy**

**Commercial General™ (Green Line) & Excalibur™ (Black Line) branded products:** 3 -YEAR LIMITED WARRANTY All products are warranted for a period of 3 years (36 months) from the date of purchase. General™ agrees to repair or replace any part or component which upon examination, proves to be defective in either workmanship or material or parts and labor to the original purchaser during this 3-year warranty period, subject to the “conditions and exceptions” as listed below. Repairs made without the written consent of General will void the warranty

**EXTEND YOUR WARRANTY:** Register your new General™ or Excalibur™ within 60 days of your purchase and get an extended 2 years, for a total of 5 years, of warranty coverage.

Go to [www.general.ca/warranty/registration](http://www.general.ca/warranty/registration)

**DISCLAIMER:** Because we are committed to making constant improvements, General™ reserves the right to make changes to components, parts or features of this unit as deemed necessary, without prior notice and without obligation to install any such changes on previously delivered units. Reasonable care is taken at the factory to ensure that the specifications and information in this manual corresponds with that of the unit with which it was supplied.

**TO FILE A CLAIM:** To file a claim under our Standard 3 -year Limited Warranty, all defective parts, components or machinery must be returned freight or postage prepaid to General™, or to a nearby distributor, repair center or other location designated by General™. For further details call our service department at 1-844-877-5234 or [info@gipowerproducts.com](mailto:info@gipowerproducts.com) Along with the return of the product being claimed for warranty, a copy of the original proof of purchase and a “letter of claim” must be included (a warranty claim form can also be used and can be obtained, upon request, from General™ or an authorized distributor) clearly stating the model and serial number of the unit (if applicable) and including an explanation of the complaint or presumed defect in material or workmanship.

**CONDITIONS AND EXCEPTIONS:** This coverage is extended to the original purchaser only. Prior warranty registration is not required but documented proof of purchase, i.e. a copy of original sales invoice or receipt showing the date and location of the purchase as well as the purchase price paid, must be provided at the time of claim. Warranty does not include failures, breakage or defects deemed after inspection by General™ to have been directly or indirectly caused by or resulting from; improper use, or lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any generally considered consumable parts or components. Repairs made without the written consent of General™ will void all warranty. This five-year warranty does not cover products used for commercial, industrial or educational purposes. The warranty term for these claims will be limited to a two-year period.

GENERAL sells through distributors only. The specifications listed in GENERAL printed materials and on official GENERAL website are given as general information and are not binding. GENERAL reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever.



