



**CORE VAC  
OPERATORS MANUAL**

**MODEL  
CV150C**

JULY 2019



# CORE VAC CV150C



**WARNING: Failure to follow instructions may result in death or serious injury**



# Technical Data

MODEL	TYPE A	TYPE B
VOLTS	120v	220v
MOTOR	1350W/8.2A	1350W/6.2A
CFM	4.3m <sup>3</sup> /min	4.3m <sup>3</sup> /min
CONTAINER CAPACITY	7.9 GAL/30L	7.9GAL/30L
DIMENSTIONS	17x19x27 (in)	17x19x27 (in)
TYPE	WET/DRY	WET/DRY



## Dry Setup



**Note:** The hepa filter, main filter and collection bag are all installed.



## Wet Setup



**Note:** The hepa filter, and main filter are not attached, while the rubber seal and collection bag are installed.

## GENERAL VACUUM SAFETY WARNINGS



**WARNING! Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.**



### **General Vacuum Safety Warnings - Work Area Safety**

- a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b. **Make sure the assembly area is firm,** so the vacuum does not tip.
- c. **Do not operate vacuums in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
- d. **Risk of pinching when handling toggle fasteners.**



### **General Vacuum Safety Warnings - Electrical Safety**

- a. **Improper connection of the equipment grounding conductor can result in a risk of electrical shock.** Do not modify the plug, have the correct plug installed by a qualified electrician.
- b. **Connect to a properly grounded outlet only.**
- c. **Before using the machine, make sure the power and voltage corresponds with the voltage shown on the machine's rating plate.**
- d. **Do not leave machine when plugged in.** Unplug cord when not in use and before servicing/cleaning the machine.
- e. **Do not use with damaged cord or plug. If the machine is not working, has been dropped, damaged, left outdoors, or dropped in water, make sure it is repaired by a qualified person.**
- f. **Do not unplug by pulling the cord,** to unplug, grasp the plug.
- g. **Do not handle plug with wet hands.**
- h. **Regularly inspect cord,** if damaged, the cord must be replaced by a qualified personnel.
- i. **Turn off all controls before unplugging.**
- j. **If using an extension cord, make sure the cord rating is suitable for this machine.**
- k. **Do not expose machine to rain or moisture.** Store indoors only.



### **General Vacuum Warnings - Personal Safety**

- a. **Stay alert, watch what you are doing and use common sense when operating a vacuum. Do not use a vacuum while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. **Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.**
- d. **Do not use without dust bag and filters in place.** Replace as described in manual.
- e. **Do not pick up anything that is burning,** such as cigarettes, matches or hot ashes.
- f. **Do not pick up combustible liquids,** such as gasoline.

# Cleaning Collection Bag



The CV150C is equipped with an internal capture bag.

Inhaled dust is stored with this bag and cleaning inside the vacuum cleaner is as simple as replacing the bag.

\*You should check the capture bag from time to time.

If the bag is full, it may weaken the suction power or stain the motor.

1. First loosen the hook that secures the head.

2. Removing the head will let filter out.

3. Detach the bag to the inlet.

(Assembly must be done in reverse order)



## 6. PROBLEM SOLVING

**The dust extractors are designed and manufactured for severe environments and tasks, but the user must note that the machine must be protected from impacts and blows. Filter, seals, attachments, and connections are carefully adapted and selected with regard to the operator's work environment. Therefore, the operator and service personnel must treat the machine with care in order for it to work correctly for many years.**

Issue	Cause	Solution
Motor doesn't start	No power	Plug in machine
	Cable defect	Replace cable
	Switch defect	Replace switch
	Soft start defect	Replace soft start
Motor stops immediately after starting	Wrong fuse	Connect to correct fuse
	Short in cable/machine	Order service
	Hose not connected	Connect hose
Motor runs but there is no suction	Hose clogged/blocked	Clean hose
	No dust bag	Fit dust filter system
Motor runs but poor suction	Hole in hose	Replace hose
	Filter clogged	Clean filter/Replace filter
	Loose top cover	Adjust
	Defective gaskets	Replace affected gaskets
dust blown from motor	Misassembled or damaged filter system	Adjust/Replace filters
Abnormal noise		Other service

## This image shows a full page of blank, lined paper. It features approximately 20 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

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## **EQUIPMENT AND PARTS WARRANTY**

Diamond Products warrants all equipment manufactured by it against defects in workmanship or materials for a period of 90 Days from the date of shipment to Customer. The responsibility of Diamond Products under this Warranty is limited to replacement or repair of defective parts at Diamond Products' Elyria, Ohio factory, or at a point designated by it, of such parts as shall appear to us upon inspection at such parts, to have been defective in material or workmanship, with expense for transportation and labor borne by Customer. In no event shall Diamond Products be liable for consequential or incidental damages arising out of the failure of any Product to operate properly.

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