

DIAMOND VANTAGE DC-3300 & DC-350LM

Industrial Vacuum
Owner's Manual



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WARRANTY INFORMATION

WARRANTY CARD

A warranty card must be submitted to Diamond Vantage within 30 days of purchase in order for the foregoing warranty to apply. You can either post mail a hard copy of this information page or submit electronically to info@diamondvantage.com. See next page for more details on Diamond Vantage warranty and return policies.

Machine Information

Model _____

Serial Number _____

Purchase Date _____

Customer Information

Customer Name _____

Business Name _____

Street Address _____

Street Address _____

City _____

State _____

Phone Number _____

Email Address _____

WARRANTY INFORMATION

Diamond Vantage warrants this equipment to operate within the limits of our specification when properly operated, and properly maintained.

Vacuum Frame and body: 3 Years

Vacuum motors: 6 months

*Limited to premature failure due to
Poor workmanship by manufacture.*

Filters: 1 Year

*Limited to premature failure due to
Poor workmanship*

Any part proven to be defective in material and workmanship shall be replaced without charge F.O.B. to your job site.

This warranty excludes normal wear and tear of parts or equipment, and especially excludes Degradation from normal abrasion of corrosion.

Please note: the vacuum motors require unrestricted air flow. Running the vacuums "deadheaded" for more than a few minutes will overheat the motors and void the warranty.

This warranty shall be void if the equipment has been altered or if any attempt to repair this equipment has been made by persons, institutions or firms not authorized by Diamond Vantage to make repairs.

Diamond Vantage will not be responsible for any costs of LABOR to remove or re-install equipment, TOOLS, MATERIALS, INSURANCE, OVERHEAD or any INCIDENTAL, SPECIAL, CONSEQUENTIAL or other expenses which may be incurred by the purchaser in the execution of this warranty.

Diamond Vantage will NOT assume any responsibility under terms of this warranty in parts or equipment which have not been paid for in full, or where an account is outstanding for 60 days or more.

HEALTH AND SAFETY RECOMMENDATIONS

PLEASE READ THIS SECTION CAREFULLY BEFORE OPERATING OR SERVICING THIS EQUIPMENT.

This section outlines some of the health and safety issues that must be acknowledged when operating or servicing your DIAMOND VANTAGE industrial vacuum cleaning system. It is important that operators are made aware of the responsibility incumbent on them to take all necessary precautions to ensure their health and safety, and that job authorities implement the procedures necessary toward this end. We strongly advise that you, the customer, add to, and tailor, these safety recommendations to suit your own particular working and operating environment.

EXPLOSIVE DUST

The operators of this equipment must always be aware of the physical and chemical properties of the dust particles being collected. A surprising number of dusts are flammable or prone to explosion when mixed with air as we find with a filter receiver application.

Materials or processes presenting such hazards **MUST** be identified by the customer.

The customer must also be alert to any changes in the dust material or process. If a new process is introduced after the installation of the vacuum system which changes the composition, quantity, or most especially the chemical type of material being introduced into the vacuum system, this may greatly increase the chance of explosion and fire.

If your process is to be changed, or if you have any concerns, we suggest you contact us to see how we can assist you to ensure that the operation of your DIAMOND VANTAGE industrial vacuum cleaning system is as safe as possible.

IMPLEMENT MEASURES TO HANDLE RESPIRABLE DUST

Operators must be fitted with appropriate respirators and must wear protective clothing if handling dust that may be irritating or even toxic.

Use **CAUTION** When Using the Hoses.

Diamond Vantage vacuum systems use blowers that develop very high vacuum conditions which can be dangerous if caution is not observed.

DO NOT PUT THE END OF THE HOSE AGAINST YOUR SKIN OR CLOTHES OR THOSE OF OTHERS!

Remove the hose from the inlet valve to dislodge materials that plug the end of tools.

THE FILTRATION SYSTEM

The DC-3300/ DC-350LM is designed to handle super-fine powders, so the filtration sub-system is its "heart" and must be maintained properly. The unit is equipped with an inverted bag type filter which collect the fine dust particles on the filter's outside surfaces during operation.

Before operating, remove top motor housing and check to ensure the filter is firmly secured to the filter bag rack (FIG. 1). The top of the filter is attached to the shaker rack using 5/8" nut at the bottom of the filter housing.

The filter bag should be shaken at least daily, preferably after each use. To shake bag, simply shut off the vacuum and shake the filter assembly arm swiftly up and down (FIG 2). This rapid movement will dislodge particles on the outside of the elongated bag surfaces and drop them into the dust can or bag.

NOTE: The unit must be OFF in order to shake the filters.



FIGURE 1



FIGURE 2



This is a grounding strip for static electricity.

VACUUM SPECIFICATIONS

CFM: 330 – w/3 motors, 220 – w/2 motors, and 110 – w/1 motor.
Power: 1350W per motor = 4050W total
H2O lift: 127.25"

REPLACEMENT PART NUMBERS:

Main Filter: Part# MCPART.VACUUMFILTER
Hepa Filter: Part# MCPART.FLTR3300HEPA
Vacuum Motor: Part# MCPART.110VMOTOR
Side Latches: Part# EQP-EH-DC3300LATCH
Hose Kit: Part# MCPART.VACHOSEACC

Problem

Motor does not start

Cause

No Power
Cable defective
Switch defective

Procedure

Connect the machine
Change
Change

Motor stops immediately

power surge

Unplug wait 10 seconds
and plug back in.

Motor runs but there is
no suction

Hoses not
connected
Hose blocked

Connect hoses
Clean hose

Motor runs but suction is poor

Hole in the hose
Filter blocked
Top cover loose
Seal defective

Change hose
Change filter
Adjust
Change seal

Dust blows from motor

Filter loose or
defective

Adjust or change

Abnormal noise

Order service



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866.322.4078