



INSTRUCTION MANUAL

EXPLOSION PROOF VACUUM FOR USE IN CLASS II DIVISION 2 GROUPS F & G HAZARDOUS LOCATIONS

EV1-xx EX DIV2 MODELS FOR DRY COLLECTION

EV2-xx EX DIV2 MODELS FOR DRY COLLECTION

IMPORTANT SAFETY INSTRUCTIONS

**PLEASE READ INSTRUCTIONS CAREFULLY BEFORE USING THE
VACUUM CLEANER**

SAVE THESE INSTRUCTIONS

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IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

APPLIANCE IS INTENDED FOR COMMERCIAL USE ONLY

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

! WARNING: To reduce the risk of fire, electrical shock or injury:

- Do not use on wet surfaces. Do not expose to rain. Store indoors.
- **TO REDUCE THE RISK OF ELECTRIC SHOCK – UNPLUG BEFORE CLEANING OR SERVICING**
- For a grounded appliance: Connect to a properly grounded outlet only. See Grounding Instructions.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use as only described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If vacuum cleaner is not working as it should, has been dropped, damaged, left outdoors or dropped into water, return it for servicing.
- Do not pull or carry by the cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle the plug or appliance with wet hands.
- Do not put any object into openings. Do not use with any openings blocked: keep free of dust, lint, hair and anything else that may reduce air flow.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not vacuum any burning or smoking materials such as cigarettes, matches, hot ashes, etc.
- Do not use without appropriate filter(s) in place.
- Never operate the vacuum cleaner when power head is detached from the chamber or tank.

**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING
THE VACUUM CLEANER
SAVE THESE INSTRUCTIONS**

PLUG INSTALLATION

WARNING: THE CORD PLUG INSTALLED BY CUSTOMER, MUST BE SUITABLE FOR THE HAZARDOUS LOCATIONS AREA THAT THE VACUUM CLEANER IS INSTALLED IN. USE ONLY CERTIFIED EXPLOSION-PROOF/DUST-IGNITION PROOF PLUGS AND OUTLETS FOR HAZARDOUS LOCATIONS. MAKE SURE THE INSTALLATION IS DONE AND VERIFIED BY A QUALIFIED ELECTRICIAN OR TECHNICIAN.

GROUNDING INSTRUCTIONS

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING – Improper connection of the equipment-grounding conductor can result in a risk of electric shock.

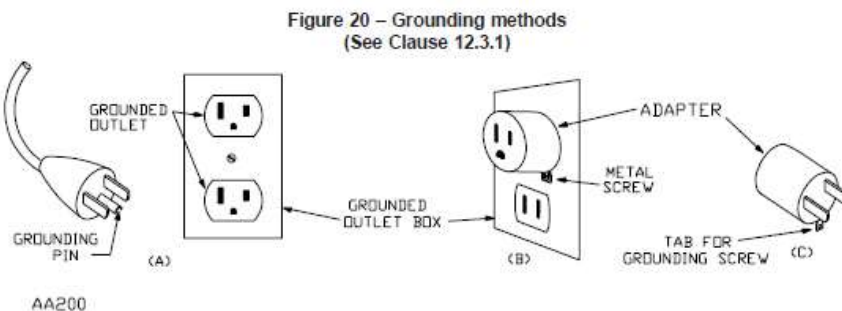
Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

EV1-xx SINGLE MOTOR SERIES:

- 1) This appliance (models EV1-xx) is for use on a nominal 120-V circuit, and has a grounded plug that looks like the plug illustrated in sketch A in Figure 20. A temporary adaptor that looks like the adaptor illustrated in sketches B and C may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw.

Exception: In Canada, the use of a temporary adaptor is not permitted by C22.1.

- 2) This appliance is for use on a nominal 120-V circuit, and has a grounding attachment plug that looks like the plug illustrated in sketch A in Figure 20. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance.



FOR EV2-xx (2) MOTOR SERIES:

This appliance (models EV2-xx) is factory-equipped with a specific electric cord and plug to permit connection to a proper electrical circuit. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance. If the appliance must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel.

GROUND CONTINUITY TEST

Check the power cord and make sure that it is in perfect condition. Using an ohmmeter, test the resistance from the suction inlet to the ground pin of the plug not to exceed 10 Ohms

Connect the included conductive suction hose to the inlet of the vacuum. Using a tested and approved continuity tester, measure the resistance between the hose end and the electrical plug (ground pin). The result should not be greater than 5 Mega ohms (5,000,000 ohms).

WARNING: IF THE RESULTS ARE HIGHER THAN 5 MEGAOHM (5,000,000 OHMS), DO NOT OPERATE THE VACUUM CLEANER AND CONTACT PRESTIVAC.

IDENTIFICATION DATA:

PRESTIVAC INC.
www.prestivac.com

Model: EV1-xx EX DIV2 HEPA
Power: 120V 50/60Hz 1020W 8A
CLASS II DIVISION 2 GROUPS F & G
Serial#: YYMMDDXXX

PRESTIVAC INC.
www.prestivac.com

Model: EV2-xx EX DIV2 HEPA
Power: 120V 50/60Hz 2040W 16A
CLASS II DIVISION 2 GROUPS F & G
Serial#: YYMMDDXXX

INSPECTION

PrestiVac vacuum cleaners are tested, inspected and securely packaged prior to shipping. Please inspect the package and vacuum for any damages. Please take photos of the damages and file a report with the carrier immediately.

SAVE THESE INSTRUCTIONS

PREPARING THE VACUUM FOR USE

1. Inspect the vacuum and make sure there is no visible damage to the power cord, switch, power head or any other part of the unit.
2. Release the latches and remove power head.
3. Install the appropriate filter(s).
4. Place the power head back on the collection tank and fasten the latches.
5. Connect the conductive suction hose to the vacuum inlet and attach the required tool(s) to the hose.
6. Perform **GROUND CONTINUITY TEST** before using the vacuum.

TOOLS AND ATTACHMENTS

WARNING: EXPLOSION HAZARD - USE ONLY PRESTIVAC PARTS. THIS EQUIPMENT IS DESIGNED FOR USE IN HAZARDOUS LOCATIONS ONLY IF USED WITH SUPPLIED OR RECOMMENDED PARTS. ANY ALTERATION TO THIS EQUIPMENT CAN COMPROMISE THE INTEGRITY OF THE UNIT AND PLACE THE OPERATOR AT RISK.

APPLICATIONS

PLEASE BE SURE TO CONTACT YOUR LOCAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND ENVIRONMENTAL PROTECTION AGENCY FOR THE REQUIREMENTS AND PROCEDURES FOR THE COLLECTION AND DISPOSAL OF THE MATERIALS THAT WILL BE VACUUMED.

DISCLAIMER

The purchaser and intended user of this PrestiVac EX vacuum acknowledge that their Authority Having Jurisdiction (AHJ) as defined in Article 100 of the National Electric Code (NEC – NFPA 70) has determined this specific type of vacuum equipment is suitable for use in the intended applications and Hazloc rated environments. PrestiVac, the product manufacturer, is not an AHJ and cannot approve any particular EX vacuum product for any specific application or use. It is the purchaser's and the intended user's responsibility to ensure that the vacuum is used properly as described in the instruction manual and in accordance with the AHJ's approval. By issuing a purchase order, the purchaser and intended user acknowledge understanding the role of their AHJ along with the capabilities and limitations of the vacuum equipment. If you require assistance in identifying your AHJ, please contact PrestiVac for assistance.

WARNING: WHEN WORKING WITH HAZARDOUS MATERIALS, HEPA FILTER(S) MUST BE INSTALLED IN THE VACUUM CLEANER. OPERATING A VACUUM CLEANER WITHOUT HEPA FILTRATION IS A SERIOUS HEALTH RISK BECAUSE IT WILL EXPOSE THE OPERATOR AND OTHERS IN THE WORK AREA TO THE HAZARDOUS MATERIALS.

The Use Of This Machine In Conjunction With The Pick-Up of Hazardous Materials Has Not Been Investigated By CSA.

PRESTIVAC Explosion Proof vacuum cleaner's models EV1-xx & EV2-xx EX DIV2 series are designed for use in the following hazardous locations classifications:

CLASS II DIVISION 2 GROUP F: Atmospheres containing Coal, Carbon Black or Coke dust.

CLASS II DIVISION 2 GROUP G: Atmospheres containing Flour, Starch, Wood, Grain, or Plastic dust.

NOTE: The motors used in this vacuum cleaner are designed for use in commercial and industrial vacuum equipment which employs filter(s) to remove dirt from the airstream before reaching the motor's vacuum fans. Do not operate the vacuum cleaner without the proper filter system installed.

WARNING: FOR DRY COLLECTION ONLY. DO NOT VACUUM ANY LIQUIDS OR WET MATERIALS. DOING SO WILL CREATE A RISK OF ELECTRIC SHOCK.

TURNING THE VACUUM ON/OFF

1. Plug the vacuum cleaner into an approved power source.
2. Turn on the vacuum cleaner by pressing the main switch.
3. Turn off the vacuum cleaner by pressing the main switch.

WARNING: DO NOT LEAVE THE VACUUM IN OPERATION WITHOUT SUPERVISION AND DO NOT RUN THE VACUUM CONTINUOUSLY BECAUSE THE MOTOR WILL OVERHEAT AND BREAKDOWN PREMATURELY.

ATTENTION: UNIT IS EQUIPPED WITH A THERMAL PROTECTOR THAT OPENS THE ELECTRICAL CIRCUIT AND SHUTS OFF THE UNIT.

EMPTYING THE VACUUM:

WARNING: IF THIS VACUUM CLEANER IS USED TO COLLECT HAZARDOUS MATERIALS, DO NOT ATTEMPT TO OPEN OR EMPTY ITS CONTENTS WITHOUT PERSONAL PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. THE COLLECTED MATERIAL INCLUDING ALL DISPOSABLE FILTERS, BAGS, AND DEBRIS SHOULD BE TREATED AS A HAZARDOUS SUBSTANCE AND MUST BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

The Use Of This Machine In Conjunction With The Pick-Up of Hazardous Materials Has Not Been Investigated By CSA.

1. Turn off the vacuum cleaner and disconnect the plug from the power source.
2. Release the latches and remove the power head from the collection tank.
3. Remove the filter(s) and inspect them to make sure there is no damage or tear.



PRE-FILTER WITH ELASTIC



MAIN FILTER WITH SUPPORT RING

4. Empty the collection tank.

CLEANING THE FILTERS

If there is a notable loss of suction, it may be time to clean the filter(s):

WARNING: IF THIS VACUUM CLEANER IS USED TO COLLECT HAZARDOUS MATERIALS, DO NOT ATTEMPT TO OPEN, OR CLEAN THE FILTER(S) WITHOUT PERSONAL PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. THE COLLECTED MATERIAL INCLUDING ALL DISPOSABLE FILTERS, BAGS, AND DEBRIS SHOULD BE TREATED AS A HAZARDOUS SUBSTANCE AND MUST BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

The Use Of This Machine In Conjunction With The Pick-Up of Hazardous Materials Has Not Been Investigated By CSA.

1. Turn off the vacuum cleaner and disconnect the plug from the power source.
2. Release the latches and remove the power head from the collection tank.
3. Remove the filter(s) and inspect them to make sure there is no damage or tear.



PRE-FILTER WITH ELASTIC



MAIN FILTER W/CLAMP ON SUPPORT RING

4. Empty the collection tank.
5. If necessary, the filter(s) can be cleaned in different ways:
 - a) Replace the filter with a clean replacement filter and clean the original with the vacuum cleaner. This is the preferred method because it limits exposure/contamination and also reduces downtime.
 - b) Remove the filter and blow compressed air through the media (inside out). Please be sure to perform this task in an approved area and be sure to wear the proper protective gear.
 - c) Remove the filter media from the support ring and wash the filter with a mild detergent. Please be sure to completely dry the filter before installing it back into the vacuum. If the filter media is still humid, the dust will stick to the media and clog the filter prematurely.

NOTE: The filter(s) must be replaced if they cannot be cleaned.

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WARNING: ANY OTHER SERVICING SHOULD BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.

HEPA FILTER REPLACEMENT

WARNING: IF THIS VACUUM CLEANER IS USED TO COLLECT HAZARDOUS MATERIALS, DO NOT ATTEMPT TO OPEN, OR CLEAN THE FILTER(S) WITHOUT PERSONAL PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. THE COLLECTED MATERIAL INCLUDING ALL DISPOSABLE FILTERS, BAGS, AND DEBRIS SHOULD BE TREATED AS A HAZARDOUS SUBSTANCE AND MUST BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

The Use Of This Machine In Conjunction With The Pick-Up of Hazardous Materials Has Not Been Investigated By CSA.

1. Turn off the vacuum cleaner and disconnect the plug from the power source.
2. Release the latches on the collection tank.
3. Lift the power head off the lid and place it upside down on a table.
4. Unscrew the acorn nut, remove the HEPA filter from the lid and dispose of it in accordance with all federal, state/provincial and local regulations.
5. Carefully install new HEPA filter.
6. Reinstall the power head back onto the collection tank.
7. Fasten the latches.

WARNING: EXPLOSION HAZARD - USE ONLY PRESTIVAC PARTS. THIS EQUIPMENT IS CERTIFIED FOR USE IN HAZARDOUS LOCATIONS ONLY IF USED WITH SUPPLIED OR RECOMMENDED PARTS. ANY ALTERATION TO THIS EQUIPMENT CAN COMPROMISE THE INTEGRITY OF THE UNIT AND PLACE THE OPERATOR AT RISK.

WARNING: ANY OTHER SERVICING SHOULD BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE.

STORAGE

1. Turn off the vacuum cleaner and disconnect the plug from the power source.
2. Empty the collection tank (See **EMPTYING** instructions on Page 7).
3. Clean the filter(s) (See **CLEANING THE FILTER(S)** instructions on Page 8).
4. Clean the vacuum cleaner.
5. Clean the hose(s) and accessories.

NOTE: Make sure the vacuum cleaner is stored in a clean, dry space.

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	POSSIBLE SOLUTIONS
LOSS OF POWER	NOT PLUGGED	MAKE SURE THE UNIT IS PROPERLY PLUGGED INTO THE SOCKET
	NO CURRENT	HAVE A QUALIFIED ELECTRICIAN VERIFY THE ELECTRICAL CIRCUIT, BREAKER AND SOCKET
LOSS OF VACUUM SUCTION	COLLECTION TANK IS FULL	EMPTY THE COLLECTION TANK
	FILTERS ARE CLOGGED	CLEAN THE FILTER(S)
	THERE IS A BLOCKAGE	INSPECT THE HOSE, TOOLS AND INLET TO MAKE SURE THERE IS NO BLOCKAGE
	HEPA FILTER IS SATURATED	REPLACE THE HEPA FILTER(S)
STRANGE NOISE COMING FROM THE MOTOR	MOTOR/FAN IS DAMAGED	TURN OFF THE VACUUM AND UNPLUG THE CORD. THE MOTOR AND/OR FAN IS DAMAGED AND THE VACUUM WILL NEED REPAIR

IF YOU HAVE ANY OTHER PROBLEMS OR QUESTIONS, PLEASE CALL PRESTIVAC AT 1-888-338-0708.



WARRANTY

PRESTIVAC warrants that its equipment will be free of defects in workmanship or material for a period of (3) years from the date of delivery. If the vacuum fails to meet these warranty standards, PRESTIVAC shall, upon notification within such time, correct such non-conformity, at its option, either by repairing any defective part or parts, or by replacing a part or parts provided that the equipment is returned to PRESTIVAC. In all cases, freight both ways will be at expense of the customer. Equipment shall not be returned without advance notice to, and consent of PRESTIVAC.

Except as specifically set forth herein, PRESTIVAC makes no warranties, either expressed or implied, as to any matter whatsoever, including without limitation any and all warranties of merchantability, fitness of purpose, or other warranties, all of which are expressly disclaimed and excluded. Neither party shall be liable to the other for special, indirect, incidental or consequential damages, including but not limited to loss of production, loss of profits or any other similar indirect losses which might occur as a result of defects, partial or total failure of the product to perform as specified.

Correction of non-conformities or defects in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of PRESTIVAC to the customer, whether based on contract, negligence or otherwise with respect to, or arising out of such equipment. The remedies set forth herein are exclusive, and the liability of PRESTIVAC with respect to this sale or anything done in connection therewith, whether in contract, in tort, under any warranty, or otherwise, shall not, except as expressly provided herein, exceed the price of the equipment or part on which such liability is based.

This warranty does not cover repairs due to normal wear and tear, accident, neglect, misuse or abuse, incorrect installation or use other than as described in the instruction manual. Breaks in hoses and cables are not covered. This warranty is rendered void if the serial number/plate is removed or defaced or if repairs are made or attempted by persons not authorized by PRESTIVAC.

Some states do not allow exclusion of implied warranties or limitations on how long an implied warranty lasts so the above exclusions or limitation of implied warranties may not apply. Some states do not allow exclusion or limitation of incidental or consequential damages so the above exclusion or limitation of incidental or consequential damages may not apply. Limited warranties set forth above give specific legal rights. Customer may have other rights which vary from state to state.