

ULTRA CLEAN™

CENTRAL VACUUM SYSTEMS

IMPORTANT SAFEGUARDS

When using an electric appliance, basic safety precautions should always be followed, including those listed below.

READ ALL INSTRUCTIONS BEFORE USING THIS VACUUM SYSTEM.

WARNING

To reduce the risk of fire, electric shock or injury:

- This vacuum cleaner is intended for dry pick up only. Do not use on wet surfaces or pick up any liquids, hot debris or any flammable items that would cause harm to the vacuum cleaner.
- Keep cord away from heated surfaces.
- Do not allow vacuum to be used as a toy. Close supervision is necessary when this vacuum is used by or near children.
- Use this vacuum only for its intended use as described in this manual. (Use of attachments recommended by the manufacturer may cause fire, electric shock, injury or damage to system components.)
- Connect to a properly grounded outlet only. See Grounding Instructions.
- Mount unit at least 30 cm (12 inches) from the floor, ceiling and corner sidewall to insure adequate ventilation for motor.
- Never operate this vacuum if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged. Return to authorized dealer/distributor for repair.
- Never disconnect plug by pulling cord. To disconnect from outlet, grasp the plug, not the cord.
- Do not put any object into openings. Do not use with any opening blocked. Keep free from dust, lint, hair and anything that may reduce air flow / suction. Lack of air flow will cause the motor to overheat.
- The vacuum cleaner creates suction. Keep hair, face, fingers, all body parts and loose clothing away from any openings.
- Never operate without dust bag and/or filter in place.
- Turn off all controls before unplugging.
- Never handle plug, cord or power unit with wet hands.
- Use extra care when cleaning on stairs.
- Do not locate the power unit in a high temperature area or where it is inaccessible, for example, an attic or crawl space.
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Do not pick up anything burning or smoking, such as cigarettes, matches or hot ashes.
- Do not use on wet surfaces.
- Do not vacuum drywall dust or baking flour as it may cause damage to your vacuum.
- This appliance is not intended for use by persons, (including children), with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- If the power cord is damaged, it must be replaced by a special cord available from the authorized local dealer/distributor.
- Keep your work area well lit.
- Unplug electrical appliances before vacuuming them.
- Do not pick up flammable or combustible liquids such as gasoline, or use in areas where they may be present.

SAVE THESE INSTRUCTIONS

Dear Ultra Clean Customer;

Congratulations on your new Ultra Clean Central Vacuum! We appreciate and would like to thank you for your support. To reach the ultimate benefit of this machine, please read this instruction manual before installing and operating your central vacuum. You will want to keep these instructions for future reference. To purchase or inquire about accessories and installation services, please contact your local dealer.

We recommend that you register your Central Vacuum with the registration form attached in this package and mail back to:

Ultra Clean Central Vacuum Systems
P.O BOX 64041
Oakville, ON L6M 3J9

For your convenience, write down the model number and serial number and model number located on your power unit below. You will find these numbers on the rating plate located on the back top of the unit.

Model Number _____

Serial Number _____

Purchase Date _____

Opening the Package

Your Central Vacuum and its accompanying hardware and accessories are carefully packed in a cardboard package designed to protect it from transportation damage. You will find the pieces needed to hook up your central vacuum packaged in the dirt pail.

Installation of your Central Vacuum

If you are planning to install your Central Vacuum yourself, there is an illustration available to you on Page 3, Figure 2. If you want a professional to install your Central Vacuum, please contact your local dealer or call toll-free: 1-877-593-2532. We will be happy to direct you to the professional installer in your area.

GENERAL INFORMATION

The Central Vacuum system is designed for dry pick up of household dirt and dust and is not intended to pick up liquids. Avoid picking up hard or sharp objects with the system to prevent hose and plastic pipe damage or clogs. This Central Vacuum system is intended for household use only.

Service Information

The instructions in this booklet serve as a guide to routine maintenance. For additional information, contact your local authorized dealer/distributor.

Rating Plate

The style, model and serial numbers are indicated are indicated on the rating plate located on the back left side of the power unit. For prompt and complete service information, always refer to these numbers when inquiring about service (refer to Figure 1).

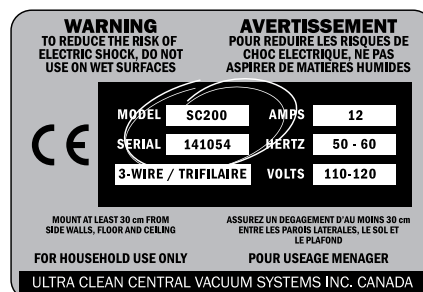


FIGURE 1

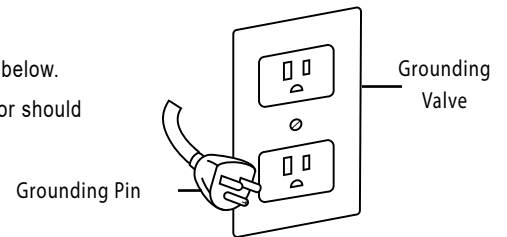
GROUNDING INSTRUCTIONS

This vacuum 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 vacuum 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.

~110/120V Models

This vacuum is for use on a nominal ~110/120 volt circuit, and has a grounded plug like the one shown below.

Make sure the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this vacuum.



WARNING

Improper connections of the equipment-grounding conductor can result in 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 the proper outlet installed by a qualified electrician. This appliance is for use on a nominal 120 volt (see rating plate for correct voltage) circuit and has a ground plug that looks like the plug illustrated. Make sure the appliance is connected to an outlet having the same configuration as the plug.

- No adapter should be used with this appliance.
- Do not use an extension cord with this appliance.
- If the power cable is damaged, use only OEM replacement cable.
- Check the power unit on/off button and all inlet valves for operation.
- This power unit is intended for household and commercial use only.

INSTALLATION

Installation of Power Unit

The Power Unit hangs on the mounting bracket which is screwed into the wall. The bottom screws of the mounting bracket should be about 122cm (49") up from the floor to allow convenient removal of the dirt bucket. For proper motor cooling, there must be at least 31cm (12") between unit and the ceiling. If mounting on plaster or panel walls, be sure mounting screws enter studs. If mounting on concrete wall, drill the wall with a masonry bit and insert the appropriate wall anchors. Strip the low voltage-wire that were installed with the main trunk line. (See Figure 2)

Connect the Low-Voltage wires directly to the spring loaded connectors on the back side of the Power Unit. Connect the main tube line to the tube intake on the Power Unit with the connector and clamp provided.

Do not glue the connection to the Power Unit in case you wish to remove at a future date. This unit may be vented outside. Do not exceed a run of over 20 feet off of exhaust, Do not vent Power Unit into a wall, ceiling or concealed space of building.

NOTE: Power Unit on/off button is used when unit is not equipped with "Utility Valve" inlet or as an over ride switch in the event your Low-Voltage wiring becomes damaged.

WIRING: Check local electrical codes, but use not less than #12-2 wires with ground. Plug power unit cord into appropriate electrical outlet. Be sure line voltage is sufficient to handle 15 amp loads.

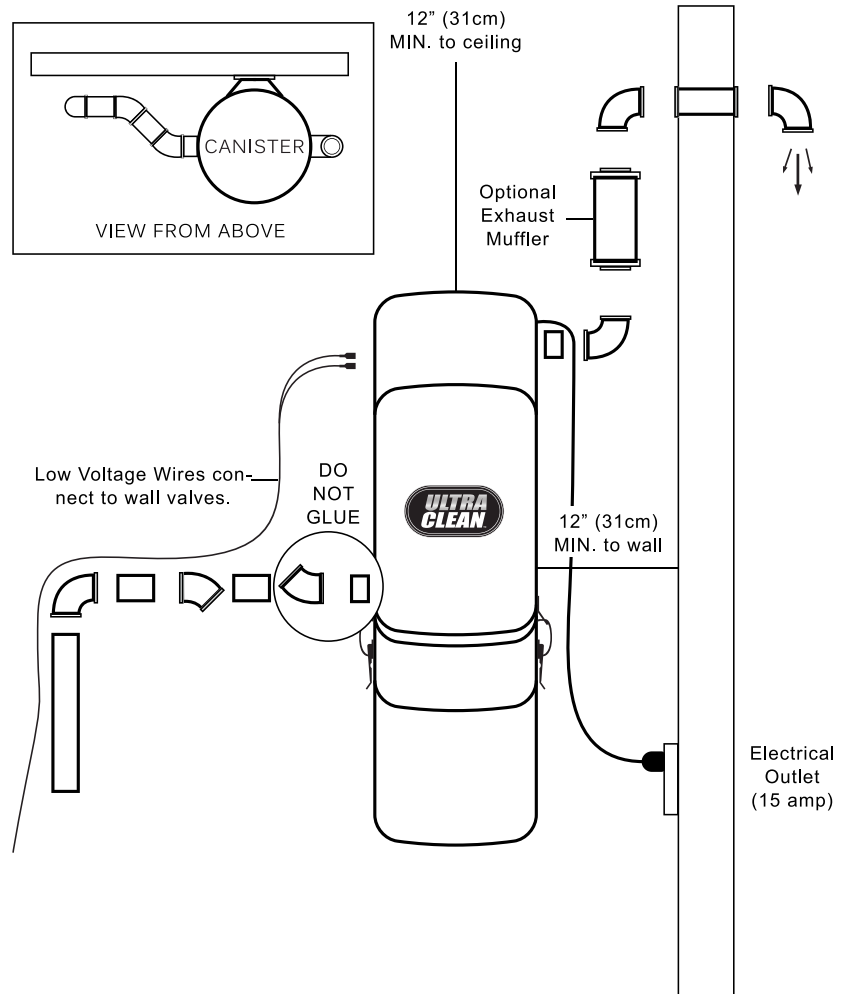


FIGURE 2

Intake

Your power unit is designed with a left pipe intake, located slightly above the dirt pail. As well, some units come with a Utility Valve intake as a supplementary access point to connect a hose directly to (most commonly used in garage or basement).

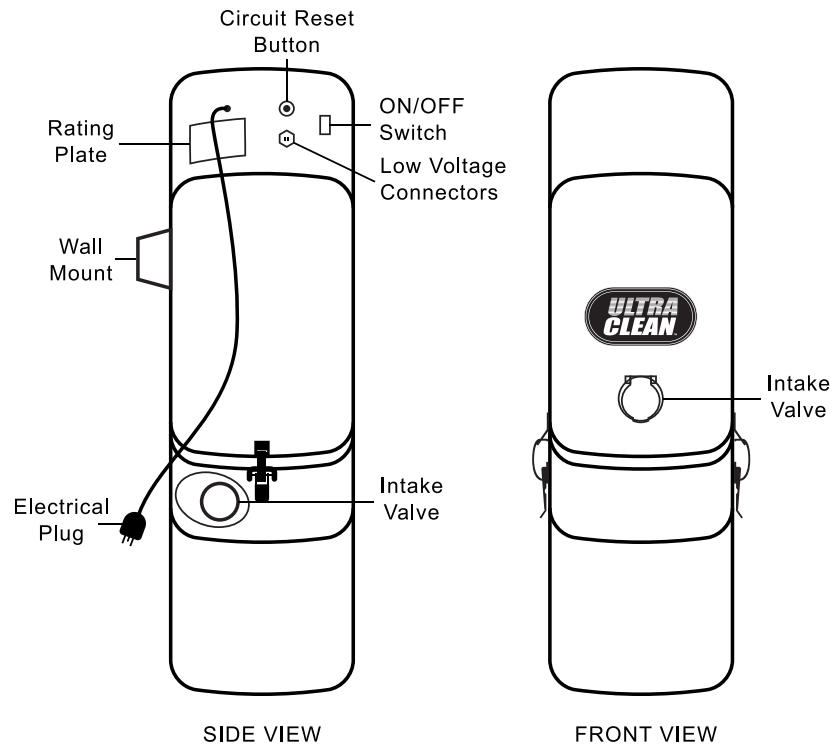
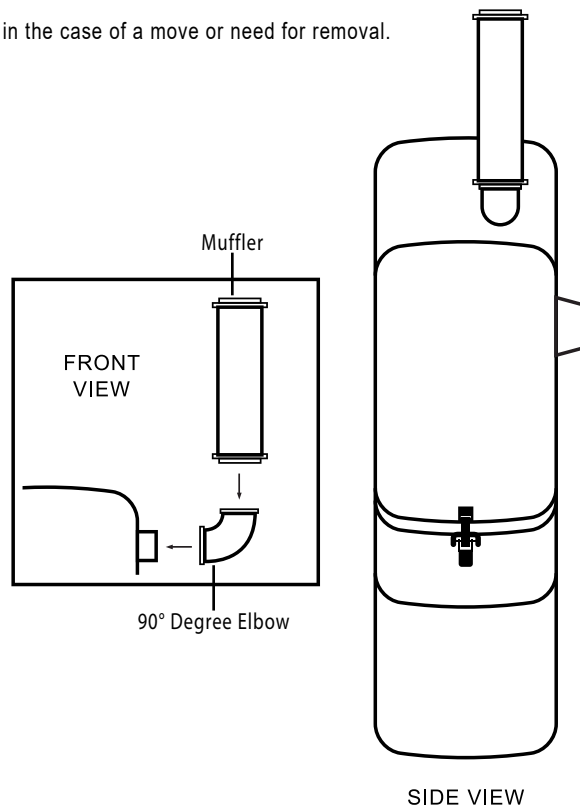


FIGURE 3

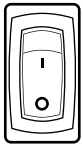
Muffler Installation

The muffler is installed to the exhaust located at the rear of the power unit using 2 fittings, a 90° (degree) fitting and the muffler. We suggest you install your muffler as shown, prior to hanging your power unit (Although some modification to this is acceptable).

NOTE: Do not glue these two fittings together in the case of a move or need for removal.



Power Button



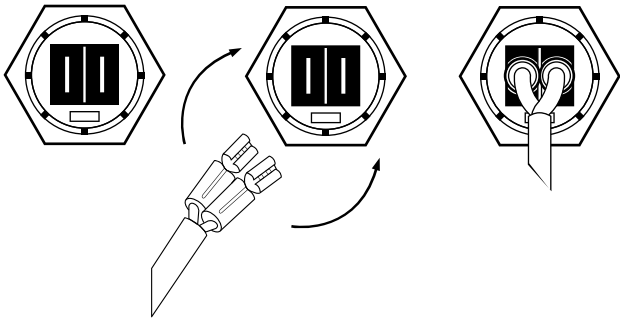
The Power Button is located on the upper left side of the Power Unit. When unit is turned on, power is sent to each valve in your house for suction when hose is installed.

Circuit Breaker Button



If your Power Unit fails to turn on, the Power Unit has been designed to reset by pressing the Circuit Breaker button located beside the On/Off switch on the upper left side of the Power Unit.

Low-Voltage Connection



In order to operate the Power Unit remotely from the inside of your home you would need to complete the low-voltage 24v DC wiring. The low voltage wiring is connected through the Inlet Wall Valves (faceplates) to the Power Unit connectors.

CARE & MAINTENANCE

Your Ultra Clean Central Vacuum warranty supersedes all previous warranties. The warranty is available to consumers only. You are a consumer if you own an Ultra Clean Power Unit that was purchased at retail or for personal, family or household use. This warranty is not available to retailers or other commercial purchasers or owners.

We warrant that this Ultra Clean Power Unit will be free of defects in material or workmanship under normal home use for seven years from the date of the original purchase.

For warranty purpose we would like to suggest that you register your product with the form attached to this booklet and mail to facilitate verification of the original date of purchase.

Ultra Clean Central Vacuum System
P.O BOX 64041
Oakville, ON L6M 3J9

The Ultra Clean Power Unit is equipped with an Ametek Lamb motor. Should you experience any problems with your motor, please contact your local authorized dealer/distributor.

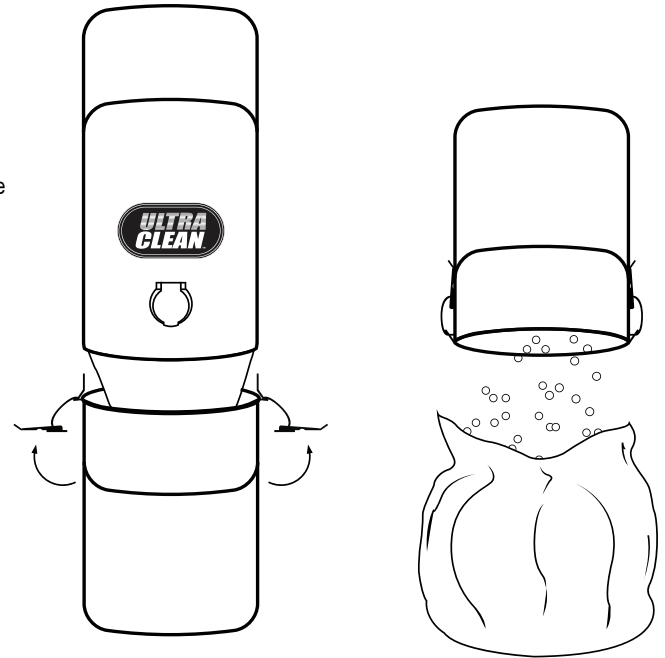
- Power unit can be dusted off with a clean, soft cloth. Caution: do not use liquid cleaners or water as an electrical shock may occur.
- Do not tamper with Power Unit. Do not place anything on top of Power Unit as this could restrict cooling air to the motor, causing the motor to overheat.
- Do not attempt to pick up anything that will not go through the cleaning tool or hose end. Do not use the system to pick up construction debris.
- Do not attach anything else to the system's electrical power source. Be sure that a properly - sized protected circuit is used for your unit's electrical requirements. Consult your authorized Ultra Clean dealer for the correct size.
- After removing the hose from the inlet, hold the inlet door open for a few seconds to help clear dirt from the vacuum tubing and make sure the Power Unit has been turned off.
- To ensure proper cleaning, use only one inlet at a time.
- If service is ever required, have it preformed by your authorized Ultra Clean dealer.

Dirt Pail Cleaning and Maintenance

All of the dirt vacuumed from your home is captured in the dirt bucket located on the bottom of your Power Unit. It is important that you remember to empty it on a regular basis to ensure optimal performance. The frequency required is dependent on many factors in your home (i.e. type of floor coverings, number of people living in the home and how many pets). A general rule is to empty the dirt receptacle twice a year, in spring and in fall. It is ideal to empty the dirt bucket when it is half full.

To remove the bucket simply pull down the latches on either side of the unit and remove dirt pail from Power Unit. Empty the debris into a garbage can or bag and reinstall the bucket. You will hear a click when it is properly installed. It is important to note that the system will not operate properly if the bucket is not installed properly. (See Figure 3)

While the dirt receptacle is off, check that the cloth filter is free from debris, tears or puncture holes. A clean filter, free from holes gives your motor protection and ensures optimal performance.



Hose Care

For optimum benefit, the hose should be used and stored above 5°C (40°F). Always hang up the hose when not in use, using the hose rack supplied. If hose should become clogged, insert the wand end into the utility valve on the Power Unit. Seal connection. Turn on the Power Unit with the manual switch. The obstruction should be quickly vacuumed out. If, however, the hose remains clogged, insert an electrician's fish tape or garden hose through the hose to remove the obstruction, being careful not to puncture the hose. Disconnect hose handle from wands before storing. DO NOT store hose in direct sunlight.

TROUBLESHOOTING

Automatic Shut-Off

The system is also equipped with a thermal protection shut-off to protect the Power Unit from overheating. In the event that a thermal shut-off occurs the Power Unit will be shut off. Please allow for the unit to cool for approximately 30 minutes. If the unit does not restart after the 30 minutes, please contact your local authorized dealer/distributor.

Partial Loss of Suction

1. Clean out dirt receptacle. Ensure filter is free from debris, tears and or punctures. If this does not resolves issue, see step 2.
2. Turn ON vacuum at Power Unit. Check suction at Power Unit. If strong, check the suction at each inlet. If it is not the same suction at each one, the line may be partially clogged. To locate a clog, compare the suction at each inlet. First check the inlet closest to the Power Unit then continue to check each successive inlet until you locate inlet with loss of suction. The obstruction will be located between this inlet and the one previously checked. To remove clog, carefully insert an electrician's fish tape into the inlet and push the obstruction through. Or, If you have a secondary vacuum, you can put vacuum hose to inlet, turn on secondary vacuum and draw out obstruction. If this fails to remove the clog, call you local authorized dealer / distributor.

Total Loss of Suction (with motor running)

1. Check power, light on side of vacuum on connectors.
2. If you have a good suction at the unit, but no suction in the hose then there is a clog in the pipes or hose. To remove the clog, refer to step 2 above or call your local authorized dealer/distributor. If obstruction is in your hose, take you hose to a local dealer.

Motor Refuses to Start

1. Check to ensure central vacuum is plugged into an electrical outlet.
2. Check fuses or breakers in your homes electrical panel.
3. If power unit has power but your inlets turn on vacuum, the problem will be in your low voltage wiring to the wall inlets.
4. If you are unable to resolve your issue, call your local authorized dealer/distributor.

WARRANTY

Lifetime Limited Warranty

Ultra Clean Central Vacuum Systems is protected by a limited lifetime warranty. This warranty is valid from the date of purchase, for as long as you are the original owner, and the system remains at its original place of installation.

- 10 year no charge on parts
- 7 year no charge on parts
- 1 year no charge on labour
- 1 year on accessories
- Lifetime warranty against corrosion perforation

This warranty covers the entire power unit except motor brushes which are guaranteed for a period of three years and control panel and filters which are guaranteed for one year. This warranty does not apply to consumable items requiring normal replacement such as belts and replacement filter bags.

THIS IS THE SOLE AND EXCLUSIVE WARRANTY OF ULTRA CLEAN CENTRAL VACUUM SYSTEMS. IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION OF LIMITED WARRANTY PERIOD.

Should any defect in material or workmanship appear within the time of the above warranty, the selling Ultra Clean Dealer should be contacted. The Dealer will repair or replace (at Ultra Cleans sole option), or credit, such part or parts in accordance with the applicable warranty period stated above. Ultra Clean will not be responsible for such service unless provided by an authorized Ultra Clean Dealer utilizing authentic Ultra Clean replacement parts.

This warranty does not apply to loss or damage resulting from (at Ultra Cleans sole option) normal wear and tear, commercial use, vacuum of drywall dust, neglect, abuse, acts of God, accidents, improper installation, improper modification or alteration, improper use and operation or failure to provide proper maintenance.

Some Provinces or States do not allow exclusion of warranties or limitations of damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights. You may have additional rights, which vary from Province to Province, State to State. This limited warranty applies to Canada and USA installations only. For specific warranty information for your Country, consult your authorized Ultra Clean Dealer.

Other warranties apply to other parts of this equipment and optional accessories. Please contact the material accompanying the individual items.

ULTRA CLEAN WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES ARISING FROM THE USE OF THIS SYSTEM.

Keep all payment records (bill of sale/delivery slip). The date on these records establishes the warranty period. Should warranty service be required, you must show proof of purchase. If proof of purchase cannot be supplied, the warranty period will be determined from the date of manufacture of the product.