

# BEAM

CENTRAL VACUUM SYSTEMS

 Electrolux



**Mundo Series**  
Owner's Manual

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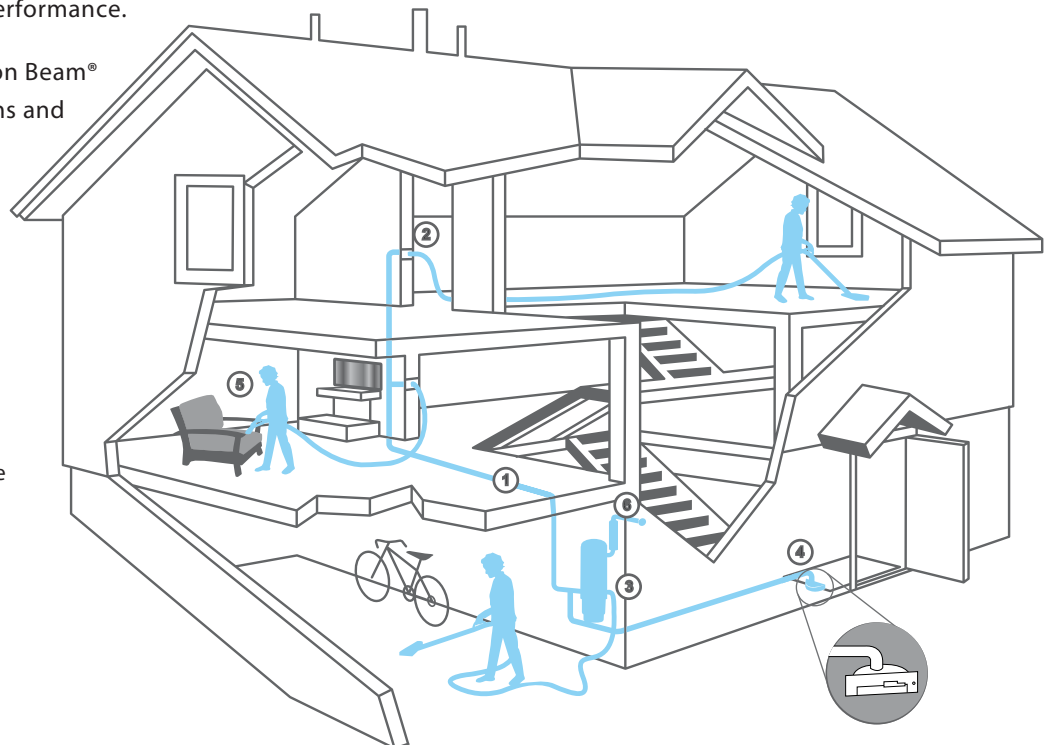
## INTRODUCTION

Congratulations on your purchase of a new Beam® Central Vacuum System. It is the built-in cleaning appliance designed to help you clean your home efficiently and effectively. Unlike conventional vacuums that can recirculate dust, a Beam® system lifts dirt, dust mites, pollen, dander and other allergens from floors, curtains, furniture and other surfaces, and carries them away from living areas to help improve indoor air quality. It has been clinically proven to relieve allergy symptoms.

To obtain the maximum benefit from your Beam® System, please read this manual carefully prior to use. Then enjoy cleaner, healthier living and years of trouble-free performance.

For more information on Beam® Central Vacuum Systems and other innovative Beam® products, visit [www.beamvac.com](http://www.beamvac.com).

1. Central Vacuum Pipe Installation
2. Wall Inlet
3. Power Unit Utility Valve
4. VacPan
5. Filtered Separator
6. External Exhaust



## Components of Beam® Central Vacuum System

**Power Unit/Dust Collection Receptacle:** Mounted in the utility room, basement or garage, it removes dust, dirt and allergens from living areas.

**Tubing:** Dust and dirt are carried through tubing from “inlet valves” to the power unit/receptacle.

**Inlet valves:** Installed in the wall, each inlet valve connects the power brush and flexible cleaning hose to the tubing in your home.

**Cleaning tools:** Flexible hose and tools make whole-house cleaning easy.

## GENERAL INFORMATION

The built-in vacuum system is designed for dry pick up of household dirt and dust. Avoid vacuuming up hard or sharp objects to prevent hose and plastic pipe clogs or damage.

### IMPORTANT SAFEGUARDS

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

#### WARNING: Read All Instructions Before Using This Vacuum Cleaner.

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

- Do not use outdoors or on wet surfaces.
- Do not block the motor hood ventilation openings and duct on the top of the power unit. Lack of ventilation airflow will cause the motor to overheat.
- Do not locate the power unit in a high temperature area or where it is inaccessible, for example, an attic or crawl space.
- Mount the built-in vacuum system power unit no less than 30cm from the ceiling or any adjacent wall and at least 70cm from the floor. If the unit is not exhausted outside, make sure the adjacent wall is at least 30cm from the exhaust port. DO NOT exhaust into a concealed area.
- Do not leave vacuum cleaner when plugged in. Remove hose from inlet valve and unplug from outlet when not in use and before servicing.
- 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.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use extra care when cleaning on stairs.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Some hoses contain electrical wires. Do not use if damaged, cut or punctured. Avoid picking up sharp objects.
- 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 to a service center.
- Connect to a properly grounded (earthed) outlet only (see grounding/earthing instructions).
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Turn off all controls before unplugging.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or vacuum cleaner with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce airflow.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not operate vacuum without dust bag or filter in place.
- Do not pick up flammable or combustible liquids such as gasoline, or use in areas where they may be present.

### SAVE THESE INSTRUCTIONS



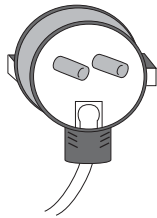
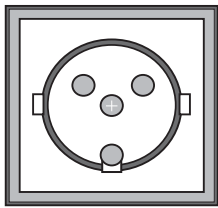
Waste of Electrical and Electronic Equipment (WEEE) The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local waste disposal service or the shop where you purchased the product.

## GROUNDING (EARTHING) INSTRUCTIONS

This appliance must be grounded (earthed) and is equipped with a cord having an equipment-grounding (earthing) conductor and grounding (earthing) plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded (earthed) in accordance with all local codes and ordinances.

## DANGER

Improper connection of an equipment-grounding (earthing) conductor can result in risk of electric-shock. Do not modify the plug provided with the appliance. If it will not fit the outlet, have proper outlet installed by a qualified technician. This appliance is for use in a regular electrical circuit, corresponding to the electrical standard in your country.

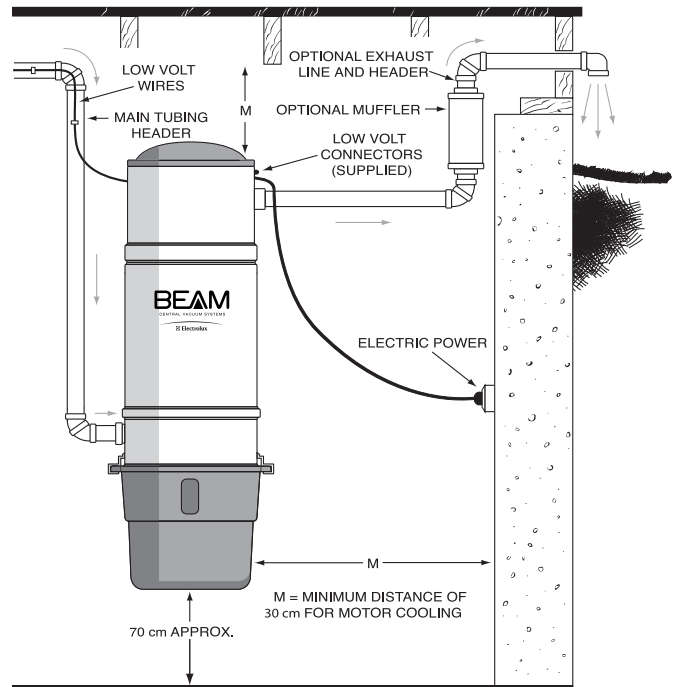


## PLANNING

If your home already has a system of plastic tubing and inlet valves, you are ready to install the power unit (refer to Power Unit Installation section). If not, you may have the system installed by a professional or you may choose to do it yourself. If you install the system yourself, it is important to carefully plan the location of each inlet valve, the power unit, and the network of plastic tubing. This booklet deals only with the installation of the power unit; "How-To" booklets generally are included with installation kits.

### Power Unit Location

The power unit is connected to inlet valves via a system of lightweight plastic tubing installed in the walls of your home.



The power unit should be located as far from the general living area as possible, yet accessible so you can remove the dirt receptacle, reach the filter, and inspect the unit. Typical locations are utility room, basement or garage. It is recommended that the exhaust be vented outside; never into a wall, a ceiling, or a concealed space in the house.

### Power Unit Wiring

The power unit must be mounted within 1.8m of a grounded (earthed) electrical outlet. Be sure your house agrees with the voltage on the Rating Plate and do not overload the circuit.

### Power Unit Installation

The power unit hangs on a mounting bracket which is screwed to the wall. The bottom screws of the mounting bracket should be about 1.2m up from the floor for convenient removal of the dust receptacle (or at least 70cm from the floor). For proper motor cooling, mount the power unit at least 30cm from the ceiling and any adjacent wall.





## Mounting the Power Unit

When you have chosen a mounting location, you can install the mounting bracket using the enclosed screws. Drill the holes and tighten the screws to hang the power unit. Please make sure to consider the wall type when attaching the mounting bracket. Align the power unit intake fitting to the main trunk line projecting from the wall. Securely tape each joint using duct or electrical tape. **DO NOT USE GLUE.** Attach the exhaust pipe to the motor exhaust if exhausting outdoors. Connect the two low voltage wires located on the backside of the power unit to the wires installed with the main trunk line. It is recommended you secure the connection with wire nuts. Be certain to comply with local electrical codes and regulations. Plug the unit into a regular electrical outlet. You are now ready to check the installation of the unit:

- Be sure the filter is properly installed in the power unit.
- Be sure the dirt receptacle is properly secured to the power unit
- Plug the hose into each inlet valve to be sure the electrical contacts operate properly.
- Check each inlet valve for air leaks.
- Check each pipe connection for air leaks.

## OPERATION



Your central vacuum system starts and stops automatically. To turn the system on, plug the hose into a wall inlet valves. To turn it off, remove the hose from the valve.



The hose handle may be equipped with an optional on-off switch. It is used to control the start and stop of the power unit while the hose is plugged into an inlet valve. This allows you to control the system without unplugging the hose.

## Overload-protection reset button for BM165 and BM185

Certain central vacuum system models feature an overload protection (circuit breaker) which can be reset should the

motor be overloaded causing the circuit to open. If this occurs and the power unit fails to operate, depress the reset button which is located on the side of the power unit. If the protector continues to trip; contact the authorized service center nearest you.

## Electrical Fault Protection for BM262, BM265, and BM285

The central vacuum system employs features that monitor the following operation levels: AC voltage, current draw voltage, current draw and board temperature. If the voltage is below or above standard operating voltage, high current or locked rotor, the power unit will not operate. In this case the LED next to the On/Off button will blink or go out until the problem ceases. If the circuit board reaches an elevated temperature, the power unit will not operate and the LED light will be off. In the event of any one of these problems happening, make sure all low-voltage switches are in the off position, then press the on/off button, unplug hose, or wait for temperature to lower. If problem persists, contact your authorized dealer or distributor.

## Motor Protection Shutoff for BM262, BM265, and BM285

In the unlikely event that something causes the power unit to turn on, or if the power unit is unintentionally left on, your central vacuum has been developed with a motor protection shutoff. After 30 minutes of continual operation the power unit will automatically shutoff, preventing damage to the motor.

To restart, remove the hose from the wall inlet and reinsert - the power unit should come back on.

## Inlet valves

Plugging the hose into an inlet valve completes a low-voltage (24-volt) electrical circuit which activates a relay and turns on the power unit. To turn off the power unit, unplug the hose from the inlet. When unplugging the hose, hold the inlet cover open for a few seconds to allow suction to decrease and protect the inner seal.

An obstruction in the inlet valve may cause the power unit to continue to run after the hose has been removed from the inlet. To shut down the power unit, check all the inlet valves and remove obstructions.

## Hose use and care

The hose should be used and stored at temperatures above 5°C. When not in use, hang the hose on the hanger supplied. If the hose becomes clogged, turn on the power unit using the manual switch and seal the extra air-space by holding the hose firmly and blocking the end. This should remove the obstruction. If the hose remains clogged, insert an electrician's fish tape (wire) or dry garden hose through the hose to remove the obstruction, being careful not to puncture the hose. Disconnect hose handle from wands before storing.

## Cleaning Tools

The Beam® hose and attachment set comes with a telescopic wand and a variety of cleaning tools allowing you to clean virtually any surface from floor to ceiling. The tools can be used with the wand or directly on the hose handle.



The combo tool is used for all-around floor and general cleaning and is used about 80% of the time. It allows you to move from carpets to hard floor surfaces without stopping by switching the convenient toe switch on top of the tool.



The round dusting brush makes dusting quick and easy. It can be used for furniture, counters, wall decorations, window areas, lamp shades or wherever dusting is needed.



The upholstery nozzle with slip-on brush is convenient when cleaning walls, furniture, curtains or mattresses. It can be used with or without the slip-on brush.



The crevice tool is ideal for tight spaces and corners, such as in the kitchen and beneath/around cabinets. It is designed for narrow spaces, crevices, along edges or other hard-to-clean areas.



The snap-on, three-tool caddy allows you to carry your most-used tools directly on the wand.



The hose hanger is used to easily coil and store the hose in a closet.

## MAINTENANCE

Instructions provided in the booklet serve as a guide to routine maintenance. Proper airflow or suction can be maintained by keeping the dirt receptacle and filter clean and the plastic tubing and hose free from clogs.

## Dirt Receptacle and Filter

Reduced airflow or suction indicates the central vacuum system is not operating at maximum efficiency. If the dirt receptacle is full and the filter is clogged, no air can pass through the unit and no cleaning can take place.

### Emptying the Dirt Receptacle BM185 and BM285

To empty the dirt receptacle grasp the latches on the side of the power unit holding the receptacle on and flip down releasing the receptacle. Remove and empty the contents. Return the receptacle and attach the latches and flip upward. To avoid suction leakage make sure the receptacle is securely attached.

### Filter maintenance BM165, BM262 and BM265

Beam's® exclusive filter is permanent and self-cleaning. However, if cleaning is desired, just follow these steps:

NOTE: Disconnect power cord from electrical outlet before cleaning the filter

1. Remove the dirt receptacle.
2. Wrap a large plastic bag around the lower portion of the power unit and hold firmly in place.
3. Grasp the sewn-in weight at the bottom of the filter through the plastic bag. Shake vigorously. Dirt will fall into the bag.
4. Carefully remove the bag from the unit. Then empty the dirt receptacle into the bag.
5. Replace the dirt receptacle on the power unit.

Cleaning Instruction Caution: Do not brush filter.

### Dust Collection:

#### BM165, BM262, and BM265

Your Mundo Power Unit comes equipped with a convenient paper bag, which can be simply discarded when full. A full paper bag will deprive the power unit of proper suction and minimizes the performance of the machine. Depending on how much you use your central vacuum system it is recommended that you empty the paper bag 2-3 times per year. Replacement bags can be purchased through your authorized central vacuum distributor/dealer.

NOTE: Never use the BM165 or BM265 without a paper bag in place.

#### How to Change the Paper Bag

1. Unplug the power unit from all electrical sources.
2. Remove the canopy.
3. Remove the paper bag from the intake valve.
4. Place and press the new bag into place. Turn the bag's opening to lock it into place.
5. Place the canopy back on the power unit.

# TROUBLE-SHOOTING

If you experience trouble with your central vacuum system, follow the suggestions below before calling for service.

Partial/total loss of suction power

- Be sure lid is on properly.
- Empty dirt receptacle.
- Clean cartridge filter.
- Be sure each inlet valve is properly closed.
- Check for hose obstruction.

Plug hose into any inlet valve. Then, as you check each of the other inlet valves, raise the inlet cover and hold your hand over the opening to check for suction. If there is normal suction at each inlet, then insert the hose into one of the other inlets. If there is no suction through the hose at the second inlet, the blockage is in the hose. To clear the hose obstruction, insert a blunt instrument into the hose (garden hose, wood dowel). If there is one inlet valve without normal suction and you have checked for hose blockage, then the blockage is in the pipe system between the blocked inlet valve and the power unit (see instructions below).

DO NOT OIL THE MOTOR AT ANY TIME. IT IS PERMANENTLY LUBRICATED AND SEALED.

## Clear blockage in pipes

Insert the hose into the inlet valve where there is no suction; hold your hand over the hose end. Release hand quickly. Repeat several times. If blockage does not clear, contact your nearest dealer/distributor.

## Power unit will not start

- Check for blown fuse in main house electric supply box.
- If your power unit has a control light, the solid green light will indicate when the unit has proper voltage and the low-voltage circuit is supplying power to the inlets.
- If the green light is flashing, or does not light up, and the motor does not start, the power unit could have experienced a fault due to excessively high or low standard operating voltage, high current draw, or a locked rotor. It is also possible that the unit was powered on with a low-volt connection (ie. handle, vac pan, etc.) in the ON position. To resolve this issue:
  - a. Ensure all handles and vac pans are in the OFF position
  - b. Unplug the power unit cord from the wall outlet, and then plug in again.
  - c. Press the on/off button on the power unit.
- Should the light be on, but the motor starts only with the on/off button and not at the inlets, the problem is broken low-voltage wiring to the wall inlets. Call your authorized BEAM dealer/distributor.

## Power unit will not stop

- Check inside each inlet valve for obstruction of low-voltage contacts. If no visual obstruction can be detected, disconnect the cleaner from the power receptacle and contact your nearest service station/dealer.

## Power Unit Shuts Off by Itself

Remove and then re-insert the hose into inlet or toggle switch off/on. See "Motor Protection Shutoff" portion of the user manual.



BM 165

BM 185

BM 262

BM 265

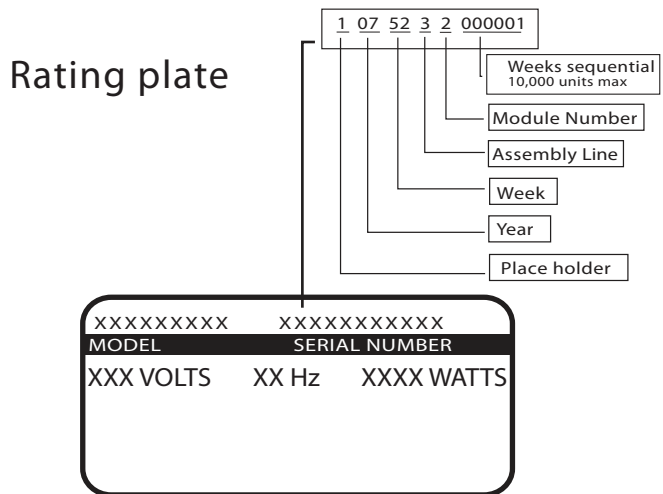
BM 285

## SERVICE INFORMATION

The instructions in this booklet serve as a guide to routine maintenance. For additional information, contact your nearest Authorized Beam dealer or distributor.

### Service warranty

Warranty is managed by your local dealer/distributor.



The model, type and serial numbers are indicated on the rating plate located on the control panel or motor hood. For prompt and complete service information, always refer to these numbers when inquiring about service.

Sold and serviced by:

# BEAM

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 **Electrolux**

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