

# Vacuum Cleaner and Blower Installation, Operation and Maintenance



Figure 1. [231700](#) ESD Vacuum Cleaner



Figure 2. [231710](#) ESD Vacuum Cleaner with Speed Control

## Description

Compact lightweight blower / vacuum cleaner designed for precise removal and collection of dry dust particles and debris from electrostatic sensitive devices (ESDS). The conductive nozzles drain-off any static build-up to earth. The [231710](#) features a speed control dial allowing for complete adjustment of suction levels.

In order to comply with EN61340-5 recommendations for working in an ESD protected area (EPA), the appliance housing, nozzles, hose, shoulder strap, cable and accessories are fully conductive. The vacuum cleaner can retain dust and fine dry particles as small as 0.3 micron, the vacuum cleaner is fitted with a double-layer paper filter bag and an electrostatic charged micromotor filter.

The appliance can also be converted in seconds into a powerful blower for dust removal in areas otherwise not accessible - the blower's air-current is CFC-free and contains no oil or water residue.

The appliance is constructed to safety class II: Double insulated design in compliance with CE standards.

- Durable and compact design
- Motor has thermal protection with RFI / EMC filter
- Hose assembly extends to 130 cm
- Includes hard crevice and soft rubber nozzle
- 1.2 l filter bag
- Advanced 5 stage filtration system
- 3 m long power cord
- Conductive carry strap
- Input power supply voltage: 220-240 volts
- Made in the Netherlands

The Vacuum Cleaner is available in the following models:

Item#	Description
<a href="#">231700</a>	ESD Vacuum Cleaner
<a href="#">231710</a>	ESD Vacuum Cleaner with Speed Control

## Packaging

Remove the vacuum cleaner from the carton and inspect for shipping damages.

Each unit includes the following:

- 1 Vacuum Cleaner ([231700](#) or [231710](#))
- 1 1.3 m Hose
- 2 Nozzles
- 1 Carrying Strap

## Optional Accessories:

- [231725](#): Replacement Bags, Pack of 10
- [231705](#): Carry Bag
- [231726](#): Long Soft Rubber Nozzle with Mini Crevice Tool
- [231728](#): Long Soft Rubber Nozzle with Brush Head
- [231729](#): Replacement Micromotor Filter

## Operating Instructions

1. Push hose end into suction opening.
2. Press the suction nozzle onto the free suction hose-end.
3. Place rocker switch in off position.
4. Insert the plug into the electrical supply and start appliance, pressing on-off switch to "on" position.
5. [231710](#) only: Move dial clockwise to increase suction. Blow power and noise level will intensify. Move dial anti-clockwise to reduce suction, blow power and noise level.

If there is substantial loss of vacuum or blow-pressure, take the following steps:

6. Remove appliance from the EPA.
7. Check whether nozzle or suction hose have become blocked.
8. Switch off appliance and disconnect plug from electrical supply.
9. Lift metal bottom lock and remove housing's front cover.
10. Remove and replace the spent paper filter bag.
11. Replace electrostatic micromotor filter.

**Note:** This appliance is equipped with a thermal protection device. To protect the motor from overheating, it will switch off automatically if there is an inadequate air supply. To enable a restart, check filters, bags, nozzle and hose for blockages. Reduce the power setting. When the motor has cooled down, the appliance should restart after 15-20 minutes.

### **Safety Points**

When cleaning this equipment, ensure it is switched-off and no longer connected to the power supply.

Ensure any object to be cleaned, is itself connected to earth in accordance with EN 61340-5 recommendations. Always use the on-off rocker switch to turn the appliance on or off.

This appliance is made for indoor use only, it must be stored in a dry place and should not be operated under wet conditions such as wet floors or wet surfaces. Never touch the appliance or the plug with wet hands.

This appliance is not designed, nor suitable, to collect liquids, nor health endangering dust such as asbestos or tropical wood sawdust.

Do not pull the cord to unplug it, do not use the cord to carry or pull the appliance. Keep the cord away from hot surfaces. Never use the appliance if the cord or plug are damaged. Never use the appliance if the suction is blocked or with completely restricted vacuum flow or air exit.

Do not operate the vacuum cleaner near flammable or combustible liquids or fumes. Do not collect anything that is hot, smoking or burning with the cleaner. Do not pick-up burning cigarettes, hot ashes or matches. Use safety glasses when the application is in blow mode. Never blow in corners or in the direction of sharp objects such as staples, paperclips, drawing-pins, needles, pins and glass fragments. Never use the appliance without the filter bag and motor filter in place. Never re-use spent filter bags.

### **Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions**

See the Desco Europe Warranty - [DescoEurope.com/Limited-Warranty.aspx](http://DescoEurope.com/Limited-Warranty.aspx)