
TECHNICAL INFORMATION

Evidence Vacuum and Micro Evidence Collection Kit

Catalog Nos. 619E, 619EK

INTRODUCTION

The 619E Evidence Vacuum Sweeper Kit is dedicated to one function—collecting trace evidence at the crime scene. Venturi-controlled suction for surface vacuuming and hermetically sealed, single-use filter assembly eliminate cross contamination from individual crime scenes. The entire sealed filter assembly in its evidence collection bag is submitted to the crime laboratory for examination. The 619EK Micro Evidence Collection Kit comes complete with everything you need to collect trace evidence at the crime scene, including a 7' extension hose, plus a handy carrying/storage case.

The evidence filters offer one-time use to prevent any possibility of contamination from one area of the crime scene to another. These filters are sealed at the factory, and these seals must not be disturbed either before or after evidence is collected. The seal may be broken only by the laboratory technician.



PRECAUTIONS

- This device is for dry vacuuming only. Do not attempt to vacuum liquids because this creates a significant shock hazard and will damage the motor.
- This device does not contain an internal filter. Do not use this vacuum sweeper without a 619E1 Trace Evidence Filter Attachment in place.
- This vacuum motor may create unshielded sparks. Do not use this vacuum in explosive atmospheres.
- This vacuum has a high-torque motor. Hold its handle when switching it on to prevent it from jumping in reaction to the acceleration of the motor.
- The trace evidence filter assembly is intended for one use only. **DO NOT REUSE THIS FILTER.** Reuse will result in cross contamination of evidence.
- After the filter is sealed in an evidence collection bag, any unauthorized attempt to open the sealed bag will result in easily detected distortion in the seal area.

PROCEDURE

Prepare Vacuum for Use

Tamper-proof evidence tape is used to seal the evidence filter. Do not attempt to open the filter chamber. Any assembly with disturbed evidence seals should be discarded.

1. Remove the rectangular red cap from the filter nozzle (crevice tool), and remove the round plug from the attachment collar. Keep these seals for later use.
2. Attach the filter directly to the 619E Vacuum Sweeper. Proceed with evidence collection. Monitor the amount of evidence collected through the chamber's clear tube, and replace filters as needed.
3. After collection is complete or the filter is full, hold the filter with



the tip up and reinstall the rectangular vinyl cap over the end of the filter's nozzle, detach the filter from the vacuum or hose, and reinstall the red plug into the attachment collar. This effectively seals the evidence into the trace evidence filter assembly.

4. Fill out the form printed on the self-sealing evidence/property bag in which the filter assembly will be packed.
5. Initial the evidence tape seal on filter assembly and place the filter assembly into the bag.
6. Remove the release liner from the flap of the bag. (The release liner is a plastic strip that protects the adhesive.)
7. Fold along the line indicated on the bag. Press flap and bag together along the line of adhesive to form seal. The bag is now sealed.
8. Tear off the receipt tag from the end of the bag and retain for your records.
9. Forward sealed evidence bag to appropriate crime laboratory.

FLOOR AREAS—Large areas of floor or carpet should be done in sections. If too large an area (or a very dirty area) is attempted, the filter will become clogged with debris, and the effectiveness of the vacuum will be impaired. The filter should be replaced before it gets clogged. A 12' x 18' carpet should be divided into quarters and a fresh filter used for each quarter.

FURNITURE—Chairs, couches, and similar upholstered furniture have exposed areas and concealed crevices. These areas should be done in two separate steps. First, sweep the exposed surfaces, and then replace the filter and collect debris from the hidden areas. Use fresh filters for each piece of furniture. Arms and backs of furniture are important since hairs from the arms and head will be found in these areas.

CLOTHING, DRAPERIES, and OTHER CLOTH—It may be necessary to reduce the strength of the vacuum to avoid pulling loose cloth into the cleaning tool. The vacuum cleaner itself has a control ring at

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the attachment point, which may be pulled back to expose an opening and thus reduce the vacuum. The operator can partly cover this opening with a finger to rapidly vary the strength of the vacuum as needed. Normally, this control ring should be left in a closed position for full vacuum power. Use a fresh filter for each item vacuumed.

Securing for Transport

The filter assembly should be removed from the vacuum and shipped whole and unopened in a sealed evidence bag to the lab for analysis.



619EK CONTENTS:

- 1-619E Evidence Vacuum Sweeper
- 2-619E1 Filter Assemblies w/Crev-ice Tool Attachment
- 1-619EK2 Extension Hose, 7 ft. (2m)
- 1-619EK3 AC Power Cord, Detachable, 10 ft. (3m)
- 1-619EK4 Professional Carrying Case, Black Molded Copolymer, Textured w/Folding Handle and Locking Latches, Includes Custom Molded Inserts; Dimensions: 17" x 13" x 7.375"(43.2cm x 33cm x 18.7cm); Weight: 10.6 lbs. (4.8kg)