

Manual Vacuum Aspiration (MVA) Kit with 8 Cannulas

Instructions for Use

Surgical Instrument

Intended use

A manual vacuum aspiration system consisting of a hand-held double-valve syringe and flexible cannulas for first-trimester uterine evacuation procedures, including miscarriage management and endometrial aspiration, where clinically indicated and permitted.

Intended users

Physicians and clinicians trained in uterine evacuation by manual vacuum aspiration. For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- Patient selection, cannula size, anesthesia and procedural technique are determined by clinical protocol and the physician's judgment.
- Cannulas are single use. Do not reuse or reprocess cannulas.
- Do not use a cannula if its package is opened or damaged or if past expiry.
- Check that the syringe holds vacuum before each procedure.
- Use aseptic technique throughout.
- Handle aspirated tissue and fluids as potentially infectious.

2. Package contents

- 1 double-valve MTP syringe (60 mL)
- 8 Karman cannulas (4, 5, 6, 7, 8, 9, 10, 12 mm), individually sterile-packed
- 1 set of adapter connectors
- 1 silicone lubricating oil

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Syringe	Double-valve manual vacuum aspirator, 60 mL
Cannula sizes	4, 5, 6, 7, 8, 9, 10, 12 mm
Cannula tip	Rounded tip with lateral openings
Cannula material	Medical-grade polypropylene
Vacuum	Up to 24 inHg (approx. 610 mmHg)
Cannula sterility	Individually sterile-packed
Cannula use	Single use per patient
Syringe	Reusable, autoclavable / reprocessable per listing
Kit weight	Approx. 180 g

4. Unpacking and setup

- 1 Check the expiry date and package integrity of each cannula.
- 2 Inspect the syringe, valves and plunger for cracks or wear; lubricate the plunger O-ring with the supplied silicone oil if needed.
- 3 Assemble the syringe according to its markings, close the valves and pull the plunger back until it locks to create vacuum.
- 4 Leave the vacuum syringe ready; confirm the vacuum is held.
- 5 Select the cannula and adapter according to clinical protocol and the physician's judgment.

5. Operation

Using the kit

- 1 Prepare the patient and site according to clinical protocol.
- 2 Open the selected cannula package aseptically.
- 3 Insert the cannula according to clinical technique.
- 4 Attach the charged syringe to the cannula (with adapter if required).
- 5 Release the valves to apply vacuum through the cannula.
- 6 Perform aspiration according to clinical protocol and the physician's judgment.
- 7 If the syringe fills, close the valves, detach, empty into a container and recharge before continuing.
- 8 When complete, close the valves and withdraw the cannula and syringe.
- 9 Examine the aspirated material per clinical protocol.

6. Cleaning and disinfection

- Discard used cannulas after one patient.
- Disassemble the syringe immediately after use and rinse off blood and tissue.
- Clean, disinfect and sterilize the syringe per your facility's reprocessing protocol; the listing states the syringe is autoclavable.
- Allow all parts to dry fully before reassembly.

7. Maintenance and storage

- Store sterile cannulas in their original packaging in a clean, dry place away from heat and sunlight.
- Use cannulas in order of expiry.
- Inspect the syringe O-ring and valves regularly; replace the syringe if it no longer holds vacuum.
- Store the reprocessed syringe clean, dry and protected from contamination.

8. Troubleshooting

Problem	Likely cause	What to do
Syringe does not hold vacuum	Valves not closed, worn O-ring or poor assembly	Reassemble, lubricate O-ring, close valves; replace syringe if still leaking
Plunger hard to move	O-ring dry	Apply a small amount of the supplied silicone oil
Loss of suction during use	Syringe full or cannula blocked	Close valves, empty syringe, check cannula and recharge
Plunger arms do not lock	Plunger not fully withdrawn	Pull the plunger fully back until the arms catch

9. Disposal

- Dispose of used cannulas and aspirated material as biohazardous medical waste per local regulations.

- Dispose of a damaged syringe as clinical waste after decontamination.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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