

Portable Liposuction Suction Machine, 110V

Operating Manual

Surgical Suction Equipment

Intended use

Powered suction (aspiration) unit for liposuction, fat harvesting and related surgical aspiration procedures performed by licensed practitioners.

Intended users

For use by trained healthcare professionals in licensed medical facilities. 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.
- Set the vacuum level according to clinical protocol and the physician's judgment.
- Connect only to a grounded outlet with the supply voltage marked on the unit.
- Always fit the bacterial filter between the canister and the pump; never run the pump without it.
- Do not let the canister overfill; stop and empty or replace it before it reaches the overflow level.
- Unplug the unit before cleaning, changing filters or servicing. Do not allow liquids to enter the pump housing.
- Do not use if the power cord, tubing, canister or gauge is damaged.
- Keep the unit upright and on a stable surface or locked wheels during use.

2. Package contents

- Suction pump unit with vacuum gauge and adjustment knob
- 2 L collection canister with overflow float
- 2 silicone suction tubes (6 mm inner diameter)
- 2 canister caps
- Foot pedal
- Bacterial filter (0.2 µm hydrophobic)
- Power cord (110V, 3-prong)
- User manual

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

3. Specifications

Vacuum range	0-750 mmHg, adjustable
Air flow	Approx. 30-40 L/min at peak vacuum
Power supply	110V AC, 60 Hz
Motor	Oil-free rotary vane, thermal-overload protected
Collection canister	2 L, polysulfone
Bacterial filter	0.2 µm hydrophobic
Vacuum control	Analog gauge and fine-adjust knob
On/off control	Foot pedal
Weight	Approx. 15 kg (33 lb)
Noise level	Approx. 50-55 dB at maximum vacuum
Not included	Liposuction cannulas

4. Unpacking and setup

- 1 Place the unit on a stable, level surface or position it on its wheeled base and lock it.
- 2 Fit a new bacterial filter to the pump inlet.
- 3 Seat the cap firmly on the collection canister and connect the canister to the filter and pump.
- 4 Connect sterile suction tubing from the canister patient port to the cannula (cannulas supplied separately).
- 5 Connect the foot pedal.
- 6 Plug the power cord into a grounded outlet of the correct voltage.
- 7 Turn the unit on, block the tubing end and check that the gauge rises, confirming there are no leaks.
- 8 Set the vacuum level with the adjustment knob according to clinical protocol.

5. Operation

Aspiration

- 1 Confirm all connections are tight and the filter is in place.
- 2 Use the foot pedal to start and stop suction.
- 3 Monitor the vacuum gauge throughout the procedure and adjust only as directed by the operating physician.
- 4 Watch the canister level; stop suction before it reaches the overflow float.
- 5 If suction drops, stop and check tubing, cap seal and filter.
- 6 At the end of the procedure, stop suction and turn the unit off.

Changing the canister during a procedure

- 1 Stop suction with the foot pedal and turn the unit off.
- 2 Disconnect the tubing from the canister cap.
- 3 Remove the full canister and seal or handle it as biohazardous waste per facility protocol.
- 4 Fit a clean canister and cap and reconnect the tubing.
- 5 Turn the unit on and confirm vacuum before resuming.

6. Cleaning and disinfection

- Turn off and unplug the unit before cleaning.
- Empty the canister contents according to your facility's biohazard procedures.
- The listing states the collection canister and silicone tubing are autoclavable; clean and sterilize them between patients per facility protocol.
- Replace the bacterial filter after each patient; it is single-use.
- Wipe external surfaces of the pump unit with a facility-approved disinfectant; do not immerse the pump or allow liquid into it.
- Clean and sterilize cannulas according to their manufacturer's instructions.

7. Maintenance and storage

- Store the unit clean and dry, with the canister empty and tubing removed.
- Inspect tubing, canister caps and O-ring seals before each use and replace worn parts.
- Keep spare bacterial filters available.
- Have the unit serviced by qualified personnel if the gauge, motor or controls do not work normally.

8. Troubleshooting

Problem	Likely cause	What to do
No suction	Unit off, power cord not connected or foot pedal not connected	Check power and pedal connections, then switch on
Low or unstable vacuum	Loose canister cap, leaking tubing or blocked filter	Reseat the cap, check tubing connections and replace the filter
Suction stops suddenly	Canister full and overflow float has closed, or filter wet	Stop, empty or replace the canister and replace the filter
Unit stops after long use	Thermal-overload protection has activated	Turn off, let the unit cool and check for blockages before restarting
Unusual noise or vibration	Unit not level or internal fault	Place on a level surface; if noise continues, stop use and arrange service

9. Disposal

- Dispose of aspirated material, used filters and single-use items as biohazardous waste per facility protocol and local regulations.
- Decontaminate the unit before disposal and dispose of it as electrical equipment according to local regulations.

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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