



care-e-vac[®]-ac

AC POWERED ASPIRATOR



OPERATOR/MAINTENANCE

M A N U A L

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The purpose of the Care-e-vac[®]ac is to perform oral and tracheal aspiration procedures.

The Squire-Cogswell/Aeros Care-e-vac[®]ac is an AC powered, portable aspirator. It comes equipped with an 800cc canister, a hydrophobic filter, a Yankauer tip and 6 ft. tubing.

This manual covers the Care-e-vac[®]ac in the following sections:

- 1. **INSTRUCTIONS FOR USE PAGE 3**
- 2. **TROUBLESHOOTING PAGE 4**
- 3. **DEVICE SPECIFICATIONS PAGE 5**

If, after reading this manual you require additional information, please contact Squire-Cogswell/Aeros Instruments' Customer Service Department at **800-662-5822** or your local Squire-Cogswell/Aeros Dealer.

IMPORTANT: This device is for use only by persons properly trained in medical suction techniques and in the operation of suction equipment. Improper use could cause injury. Thoroughly read this operation manual and familiarize yourself with the operation of the Care-e-vac®-ac before using this device.

DANGER: POSSIBLE EXPLOSION HAZARD IF USED IN THE PRESENCE OF FLAMMABLE ANESTHETICS.

1. INSTRUCTIONS FOR USE

PRIOR TO INITIAL USE

Upon receiving your new Care-e-vac®ac, visually inspect your unit to ensure it is in good working order and that no damage has occurred during shipment.

The Care-e-vac®ac will use any collection device. However, if you are not using the Aeros 800cc disposable collection canister, **make sure that the collection device that is being used is equipped with a safety overflow mechanism to protect the pump from accidental overflow.**

Ensure that you have the appropriate collection device, suction tubing and aspirator tip for patient use. The Care-e-vac®ac is now ready to be used.

OPERATION INSTRUCTIONS

1. Ensure that the hydrophobic filter tubing assembly is connected from the vacuum port of the Care-e-vac®-ac to the vacuum port of the collection canister and the 6 ft. tubing is connected from the patient port of the collection canister to the aspirating tip that will be used.
2. Turn the unit "ON".
3. Pinch the patient tubing closed. Using the **VACUUM REGULATOR** knob, adjust the vacuum level to the least amount of vacuum that will be necessary to properly suction the patient.
4. Release the pinched tubing and suction the patient as needed
5. Turn the unit "OFF".

PROCESSING AND CLEANING INSTRUCTIONS

1. Wipe the surface of the unit clean with mild antiseptic and a soft clean cloth. Do not allow any cleaning solution to spill into the vent on the sides of the unit.

2. TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Pump does not turn on when the power switch is depressed.	1. Unit is not plugged in. 2. Faulty electrical connections. 3. Blown fuse 4. Pump is not operational	1. Plug the unit into a 120V AC outlet. 2. Check all electrical connections for possible loose connections. 3. Replace fuse. 4. Replace the pump.
Pump runs when the switch is depressed but there is no vacuum at outlet	1. Regulator is turned all the way off. 2. Improper tubing connection or crimped tube in the system. 3. Vacuum regulator is dirty. 4. Collection canister improperly installed or defective. 5. Hydrophobic filter is obstructed.	1. Turn regulator knob clockwise to start flow or increase vacuum. 2. Check all external vacuum paths for crimped tubing. If still no vacuum, check all internal tubing connections. 3. Clean vacuum regulator. 4. Check canister for any cracks. Verify that all ports on the canister lid are tight. 5. Replace filter.
Vacuum gauge reads zero when vacuum is available at the vacuum outlet.	1. Improper tubing connections. 2. Gauge is broken	1. Verify that all internal tubing connections are tight and secure. 2. Replace the gauge

3. DEVICE SPECIFICATIONS

PUMP

Single cylinder, oil-less diaphragm type.

PERFORMANCE

Vacuum Range:	Up to 450mm Hg
Free Air Flow:	28 LPM minimum

CONTROLS

Vacuum Regulator:	Rotary type on panel
Vacuum Gauge:	Calibrated to 0 – 20"/500mm Hg

ELECTRICAL REQUIREMENTS

AC:	115 Volts, 60 Hz, 2.5A
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COLLECTION DEVICE

Canister:	Disposable plastic with mechanical shutoff
Capacity:	800cc standard
Tubing:	6 ft. (183 cm) disposable sterile plastic
Suction Tip:	Disposable Yankauer with control vent

PHYSICAL DIMENSIONS

Overall Height:	9.0 in.	(22.9 cm)
Overall Width:	11.5 in.	(29.2 cm)
Overall Depth:	6.5 in.	(16.5 cm)
Weight:	6.5 lbs.	(3 kg)



MEDICAL EQUIPMENT LISTED 544U

ISO 13485



FM 33489



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