Salter AIRE Elite™
Compressor
Instruction Manual
Part No: 8350-1 / 8352-1 / 8353-1

Thank you for selecting the Salter AIRE Elite Compressor. Salter Labs is an innovative, industry-leading manufacturer of respiratory care devices. Please contact your local Salter Labs dealer for information about additional products.

SAVE THESE INSTRUCTIONS.
READ ALL INSTRUCTIONS BEFORE USE.

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1. Important Safeguards

NOTE, CAUTION, WARNING, AND SYMBOLS:
Important information is highlighted by using the following:

NOTE Indicates information that user should pay special attention to.
CAUTION Indicates correct operating or maintenance procedures in order to prevent damage to or destruction of the equipment or other property.
WARNING Indicates potential danger that requires correct procedures or practices in order to prevent personal injury.

Symbols:

Off, disconnection from the mains
On, connection to the mains
Alternating Current (AC)
Protected against solid foreign objects having a diameter of 12.5 mm and greater. No protection against vertically falling water drops. Keep dry!
Attention
Class II

"BF" symbol indicates this product is according to the degree of protecting against electric shock for the type BF equipment.

Temperature limitation

Disposal of Electrical & Electronic Equipment (WEEE):
This product should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. For more detailed information about the recycling of this product, please contact your local city office, household waste disposal service or the retail store where you purchased the product.

CAUTION U.S. Federal Law restricts this device to sale by or on the order of a physician.
WARNING To reduce the risk of burns, electrocution, fire or injury to persons:
1. Always unplug this product immediately after using.
2. Do not use while bathing, showering, dish washing, or close to water sources of any kind.
3. Do not place or store product where it can fall or be pulled into a tub or sink.
4. Do not place in or drop into water or other liquid.
5. Do not reach for a product that has fallen into water. Unplug immediately.
6. This product should never be left unattended when plugged in.
7. Close supervision is necessary when this product is used by
on or near children or invalids. Choking accident may result from a child swallowing a small part that has become detached from the device or its accessories.
8. Use this product only for its intended use as described in this manual. Use this product only under doctor's direction. Do not use attachments not recommended by the manufacturer.
9. Never operate this product if a) it has a damaged cord or plug, b) it is not working properly, c) it has been dropped or damaged, d) it has been dropped into water. Return the product to a specified service center for examination and repair.
10. Keep the cord away from heated surfaces.
11. Never block the air openings of this product or allow objects to fall or be inserted into the air vent openings or place it on a soft surface such as bed or couch, where the air openings may be blocked.
12. Never use while sleeping or feeling drowsy.
13. Never drop or insert any object into any opening or hose.
14. No modification of this equipment is allowed.
15. Do not modify this equipment without authorization of the manufacturer.
16. If this equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.
17. Do not use in outdoors or operate where aerosol (spray) products are being used or where oxygen is being administered in a closed environment such as an oxygen reservoir.
18. Do not wrap the power cord around the compressor (main unit).
19. Disconnect the power plug by pulling the plug, not by pulling on the compressor (main unit), or the cord.
20. If the power cord or plug becomes frayed or otherwise damaged, do not use.
21. Do not place heavy objects on the power cord, or bend and pull the cord harder than necessary. These actions could cause an electric shock or fire.
22. Potential allergic reactions to accessible materials used in the Compressor Nebulizer equipment. If any signs of allergic reaction or hypersensitivity happen, stop the treatment immediately, and notify the doctor or nurse.
23. Potential contact injuries for patients used in the Compressor Nebulizer equipment. If any contact injuries happen, stop the treatment immediately, and notify the doctor or nurse.

24. This equipment is provided in the equipment manual.

25. This equipment is provided in the equipment manual.
This device is intended for use in the electromagnetic environment specified below. The user of this device should make sure it is used in such an environment.

<table>
<thead>
<tr>
<th>Immunity Test</th>
<th>IEC/EN0601 test level</th>
<th>Compliance</th>
<th>Electromagnetic Environment Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic Discharge (ESD) IEC61000-4-2</td>
<td>±6kV contact ±6kV air</td>
<td>±6kV contact ±6kV air</td>
<td>Fingers should be wood, concrete or ceramic tile. If fingers are covered with synthetic material, the relative humidity should be at least 30%</td>
</tr>
<tr>
<td>Electrical fast transient/ burst IEC61000-4-4</td>
<td>±2kV for power supply line ±1kV for input/output line</td>
<td>±2kV for power supply line ±1kV for input/output line</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Surge IEC61000-4-5</td>
<td>±1 kV line(s) to neutral</td>
<td>±1 kV line(s) to neutral</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Voltage dips, short interruptions and voltage variations on power supply input lines IEC61000-4-11</td>
<td>&lt;5 % Ue (50 Hz) dip in Uc for 0.5 cycle</td>
<td>&lt;5 % Ue (50 Hz) dip in Uc for 0.5 cycle</td>
<td>Mains power quality should be that of a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Power frequency (50/60Hz) magnetic field IEC61000-4-8</td>
<td>3 A/m</td>
<td>3 A/m</td>
<td>Power frequency magnetic fields should be at levels characteristic of a location in a typical commercial or hospital environment.</td>
</tr>
</tbody>
</table>

NOTE: Ue is the AC mains voltage prior to the application of the test level.

Recommended separation distances between portable and mobile RF communications equipment and this device:

This device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of this device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and this device as recommended below, according to the maximum output power of the communications equipment.

<table>
<thead>
<tr>
<th>Rated maximum output power</th>
<th>Separation distance according to frequency of transmitter (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 kHz to 80 MHz</td>
<td>0.01: 0.12, 0.12</td>
</tr>
<tr>
<td>80 MHz to 900 MHz</td>
<td>0.01: 0.12, 0.12</td>
</tr>
<tr>
<td>900 MHz to 2.5 GHz</td>
<td>0.01: 0.12, 0.12</td>
</tr>
</tbody>
</table>

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

Note 1: At 60 MHz and 800 MHz, the separation distance for the higher frequency range applies.

Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Guidance and Manufacturer's Declaration - Electromagnetic Immunity:

This device is intended for use in the electromagnetic environment specified below. The user of this device should make sure it is used in such an environment.

 immunotest IEC/EN0601 test level | Compliance | Electromagnetic Environment Guidance |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Conducted RF IEC 61000-4-6</td>
<td>3 Vrms to 150 kHz outside ISM bands</td>
<td>3 Vrms</td>
</tr>
<tr>
<td>Radiated RF IEC 61000-4-3</td>
<td>3 V/m 80 MHz to 2.5 GHz</td>
<td>3 V/m</td>
</tr>
</tbody>
</table>

Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range.

Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range.

NOTE 1: At 60 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

a/ The ISM (industrial, scientific and medical) bands between 150 kHz and 80 MHz are 6,765 MHz to 6,795 MHz, 13,535 MHz to 13,567 MHz, 26,957 MHz to 27,283 MHz, and 40,667 MHz to 40,700 MHz.

b/ The compliance levels in the ISM frequency bands between 150 kHz and 80 MHz and in the frequency range 80 MHz to 2.5 GHz are intended to decrease the likelihood that mobile/portable communications equipment could cause interference if it is inadvertently brought into patient areas. For this reason, an additional factor of 10/3 is used in calculating the recommended separation distance for transmitters in these frequency ranges.

c/ Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the device.

d/ Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

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800-628-4690 (US & Canada)
Internet: www.salterlabs.com

Authorized Representative in the E.U.:
MT Promed Consulting GmbH
Altenhofstrasse 80
D-66306 St. Ingbert, Germany

NOTE: Consult distributor(s) or EU representative(s) for more information.
**10. Specifications**

(All specifications are subject to change without notice.)

<table>
<thead>
<tr>
<th>Electrical Rating</th>
<th>120VAC,60Hz,1.2A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(For 120V System)</td>
</tr>
<tr>
<td></td>
<td>230VAC,50Hz,0.6A</td>
</tr>
<tr>
<td></td>
<td>(For 230V System)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Compressor Pressure</th>
<th>≥ 30 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nebulizer Flow Rate</td>
<td>≥ 5.5 lpm</td>
</tr>
<tr>
<td>Classification</td>
<td>Class II</td>
</tr>
<tr>
<td></td>
<td>IP2X</td>
</tr>
<tr>
<td></td>
<td>No AP/APG protection</td>
</tr>
<tr>
<td>Applied part</td>
<td>Mouthpiece or Nasal mask</td>
</tr>
<tr>
<td>Dimensions (W x D x H)</td>
<td>14.6 × 20.3 × 9.5 cm /</td>
</tr>
<tr>
<td></td>
<td>5.7&quot; × 7.9&quot; × 3.7&quot;</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>1.8 kg / 4.0 lb</td>
</tr>
<tr>
<td>Fuse (non-user serviceable)</td>
<td>F5AL 250V</td>
</tr>
<tr>
<td>Warranty</td>
<td>5 Years</td>
</tr>
</tbody>
</table>

| Temperature                  | Operation: 10°C to 40°C / 50°F to 104°F |
|                              | Storage: -15°C to 50°C / -5°F to 122°F |
|                              | Transport: -15°C to 70°C / 5°F to 158°F |

| Environment                  | Operation: 10% to 90%RH non-condensing |
|                              | Storage: 10% to 90%RH non-condensing |
|                              | Transport: 10% to 90% RH non-condensing |

| Atmospheric pressure         | Operation: 700-1060 hPa |

**11. Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8501-1-2</td>
<td>Sater AIRE Elite Replacement filters</td>
</tr>
<tr>
<td>8258-0-1</td>
<td>Compressor Carrying bag</td>
</tr>
<tr>
<td>8660</td>
<td>NebuTech® Nebulizer – Reusable</td>
</tr>
<tr>
<td>8960</td>
<td>NebuTech Nebulizer – Reusable</td>
</tr>
<tr>
<td>8967</td>
<td>NebuTech Nebulizer with Pediatric Mask</td>
</tr>
<tr>
<td>8984</td>
<td>NebuTech Nebulizer with Adult Mask</td>
</tr>
<tr>
<td>8900</td>
<td>Nebulizer with Tee Adapter</td>
</tr>
<tr>
<td>8906</td>
<td>Nebulizer with Pediatric Mask</td>
</tr>
<tr>
<td>8924</td>
<td>Nebulizer with Adult Mask</td>
</tr>
</tbody>
</table>

**12. Appendix A: EMC Information**

Guidance and Manufacturer’s Declaration- Electromagnetic Emissions:

This device is intended for use in the electromagnetic environment specified below. The user of this device should make sure it is used in such an environment.

<table>
<thead>
<tr>
<th>Emissions Test</th>
<th>Compliance</th>
<th>Electromagnetic Environment/Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emissions</td>
<td>Group I</td>
<td>The device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment</td>
</tr>
<tr>
<td>CISPR 11</td>
<td>Class B</td>
<td></td>
</tr>
<tr>
<td>Harmonic emissions</td>
<td>Class A</td>
<td>The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network</td>
</tr>
<tr>
<td>IEC61000-3-2</td>
<td>Compiles</td>
<td></td>
</tr>
<tr>
<td>Voltage fluctuations / Picket emissions</td>
<td>IEC61000-3-3</td>
<td></td>
</tr>
</tbody>
</table>
2. Introduction

2.1 Intended Use

The Salter AIRE Elite Compressor System is intended to provide a source of compressed air for aerosol therapy. It is used in conjunction with a jet (pneumatic) nebulizer to produce medicated aerosols for inhalation by pediatric and adult patients with respiratory symptoms.

CAUTION: Indications for therapy include asthma, chronic bronchitis, infection of the upper respiratory tract, chronic obstructive pulmonary disease (COPD) and other respiratory disorders in accordance with a medical doctor’s prescription. Except the usage mentioned above, please do not use this product for any other purpose. This device can be used with adults or pediatric patients under physician’s prescription.

2.2 Safety Precaution Instruction

When using this electrical product, especially when children are present, one should always follow basic safety precautions. Do not install, maintain or operate this equipment without reading, understanding and following the proper Salter AIRE Elite Compressor System Instruction manual; otherwise injury or damage may result.

For 120V only: This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.

3. Product Description

1. Power Switch
2. Filter Cap (disposable filter inside)
3. Air-Outlet Connector
4. Integrated Carrying Handle
5. Power Cord
6. Nebulizer Cup Holder
7. Cooling Air Openings

4. Operation

NOTE: Before initial operation, the nebulizer cup assembly should be cleaned following instructions described in the “Cleaning” section.

WARNING: Before connecting the power cord, make sure the I/O (ON/OFF) switch is in the O (OFF) position.

The plug is also served to disconnect the device. Do not position the equipment so that it is difficult to operate the disconnecting device.

4.1 Daily Use Operation

CAUTION: The Salter AIRE Elite Compressor System is designed for intermittent use only. Do not operate it continuously for more than 30 minutes for a single use without turning it off and following a cooling period for at least 30 minutes.

1. Before each use inspect the Salter AIRE Elite Compressor and nebulizer cup assembly for damage or wear, replace as needed.
2. Place the Salter AIRE Elite Compressor on a table or other flat stable surface. Be sure you can easily reach the controls when seated. Do not use this device on the floor.
3. With the power switch in the O (OFF) position, plug the power cord into an appropriate electrical wall outlet.
4. Connect one end of the tubing to the compressor air-outlet connector.
5. Assemble the nebulizer cup and add indicated medication to the nebulizer’s cup before use.
6. Attach the other end of the tubing into the air-inlet connector located at the bottom of the nebulizer cup.
7. Turn on the Salter AIRE Elite Compressor by pressing the power switch to the I (ON) position and begin treatment.
8. If treatment needs to be interrupted, simply press power switch to O (OFF) position.
9. When the treatment is complete, turn off the compressor by pressing the power switch to O (OFF) position and unplug the unit from the electrical outlet.

WARNING: Equipment is not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide. This device has no AP or AGL protection.

CAUTION: During the treatment, the patient should not touch the outer case due to expected rise in unit temperature.

4.2 Safety Overload

NOTE: Do not exceed 30 minutes of continuous operation.

1. The motor of this device has a built-in thermal overload protector. Should the motor overheat, the protector will automatically shut off the motor. Should this occur, turn the I/O (ON/OFF) switch to the O (OFF) position and allow the motor to cool down for approximately 30 minutes before turn it on again.
2. If the overload protector shuts off the motor frequently, you may have an unstable voltage situation.
3. If the unit shuts down and cannot restart, it may need to be replaced. Call your provider immediately.

5. Cleaning

5.1 Compressor Outer Case Cleaning

WARNING: Electric shock hazard. Do not remove outer case of this unit. All disassembly and maintenance of this unit must be done by a qualified service technician. Refer servicing to qualified service personnel.

WARNING: This unit does not require oil. Do not attempt to lubricate any internal parts.

WARNING: Unplug unit before cleaning. Do not submerge in water for cleaning.

1. Wipe the main unit with a damp cloth every few days to keep it dust-free.
2. Do not use any powdered type cleaners or soap. Do not submerge the unit into water.

5.2. Nebulizer Cup Cleaning

Clean the nebulizer after each use. Refer to the cleaning instructions supplied with your nebulizer...