



RHYTHM
HEALTHCARE

ITEM# CMP501

50 PSI COMPRESSOR



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Upon receiving your Heavy Duty 50 PSI Aerosol Compressor, inspect the packaging for signs of damage in transit. Inspect the unit thoroughly. Any sign of damage, external or internal, should be reported to your provider or your authorized dealer immediately.





GENERAL INFORMATION

This manual provides information necessary to operate the Heavy Duty 50 PSI Aerosol Compressor. This unit is designed for efficient, continuous high-pressure performance. The Heavy Duty 50 PSI Compressor provides high pressure which clinical studies have indicated are required for optimal particle size (2 microns or less). This unit is designed to operate quietly, is easy to clean and maintain and is compact and lightweight. The device operates on standard 115 VAC power. This unit operates using standard 115 VAC current, it is easy to clean, very low maintenance, compact, lightweight, and portable. The unit is designed for use with:

- Hand-held Compressor System
- Heated Compressor
- Dual Action Humidifier/Compressor
- Pediatric Mist Tent
- High Output Pneumatic Compressor
- Deluxe Compressor with Oxygen Diluter
- Child/Adult Mist Tent

IMPORTANT SAFETY PRECAUTIONS AND WARNINGS

When using electrical products, especially when children are present, basic safety precautions should always be followed. Read and understand instructions before using. Important information is highlighted by these terms:

SAFETY SYMBOLS USED IN THIS MANUAL	
 DANGER	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in serious injury and equipment damage.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the device or other property.
 NOTE	Indicates information in which special attention should be paid.



It is important that you read all warnings in user manual before use. Use the product only for its intended use as described in the manual. Improper use can result in serious or fatal illness / injury, improper treatment or property damage.

NOTE

Connect power cord to grounded wall outlet or adapter.

NOTE

Unplug the power cord when it is necessary to disconnect AC power source.

DANGER

This medical device is not intended to be used as a life-sustaining/ supporting device.

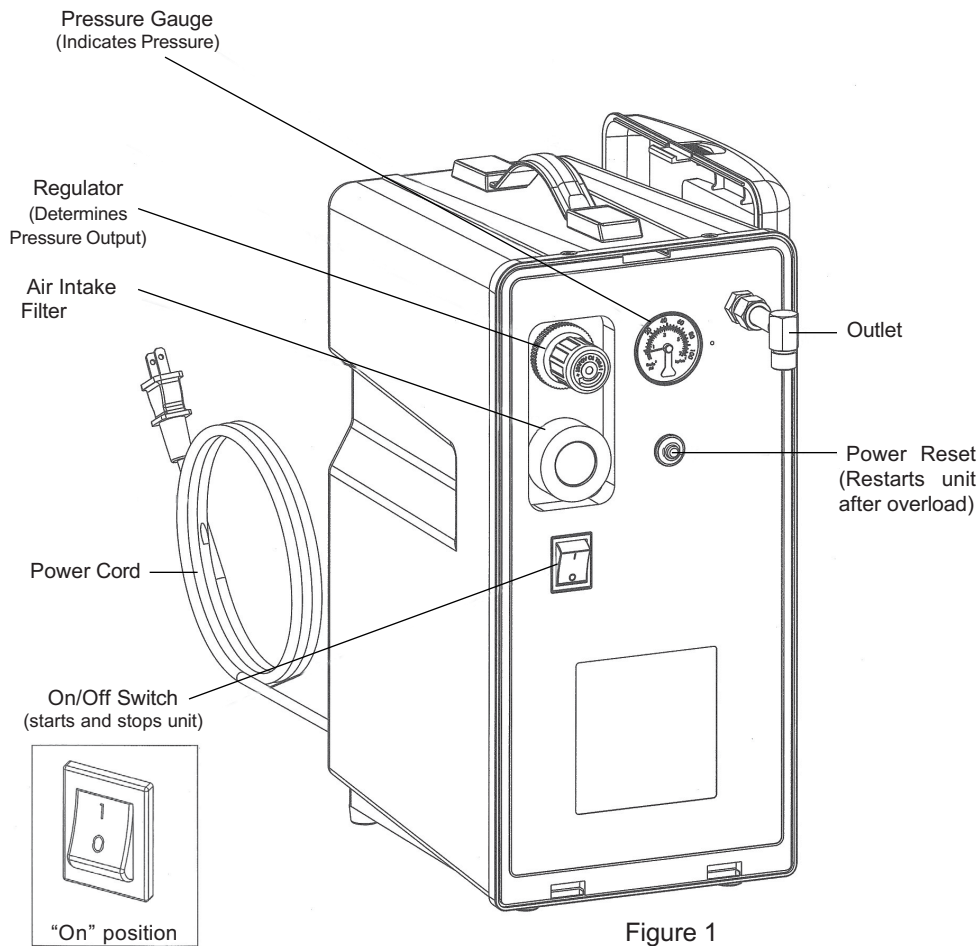
NOTE

To dispose of unit, follow local waste guidelines.

⚠ CAUTION

If aerosol enters the compressor, damage may result to the unit and void the limited warranty.

BASIC OPERATING COMPONENTS



OPERATING INSTRUCTIONS

INITIAL POSITIONING AND INSTALLATION

1. Select a suitable location for the unit near a 120 VAC, 15 Amps, grounded power outlet.
2. Grasp handle on top of unit and position the unit so that operating controls are accessible to the user and back of unit is away from wall.
3. Ensure that the power switch located in the center of the control panel is in the OFF position (Figure 1) and plug power cord into grounded power outlet or grounded adapter.
4. Check that all connections to outlet (i.e. tubing, compressors, etc.) are secure and not leaking aerosol.
5. When used in conjunction with mist tents, etc. place unit outside of tent and place unit at a level below the discharge end of the delivery tubing.

OPERATION

1. Press Power On/Off switch to On position (Figure 1).
2. Connect the equipment you intend to use with the Heavy Duty 50 PSI compressor and then adjust the pressure that the unit is delivering by adjusting the regulator (Figure 1) as follows:
 - a. Pull regulator knob out to unlock adjustment.
 - b. Turn dial of regulator to desired pressure. Turn clockwise to increase pressure, turn counterclockwise to decrease pressure.
 - c. Push knob towards unit to lock regulator pressure.
 - Observe the pressure gauge - adjust up or down to desired output pressure.

ROUTINE MAINTENANCE

REMOVING AND CLEANING/REPLACING THE FILTERS

Pull air intake filter out from front of unit (Figure 2) and replace with a new one every 30 days or when dirty. The Air Intake Filter must be replaced. It cannot be washed.

 **CAUTION**

Failure to replace filter when required can damage the unit and will void the warranty.

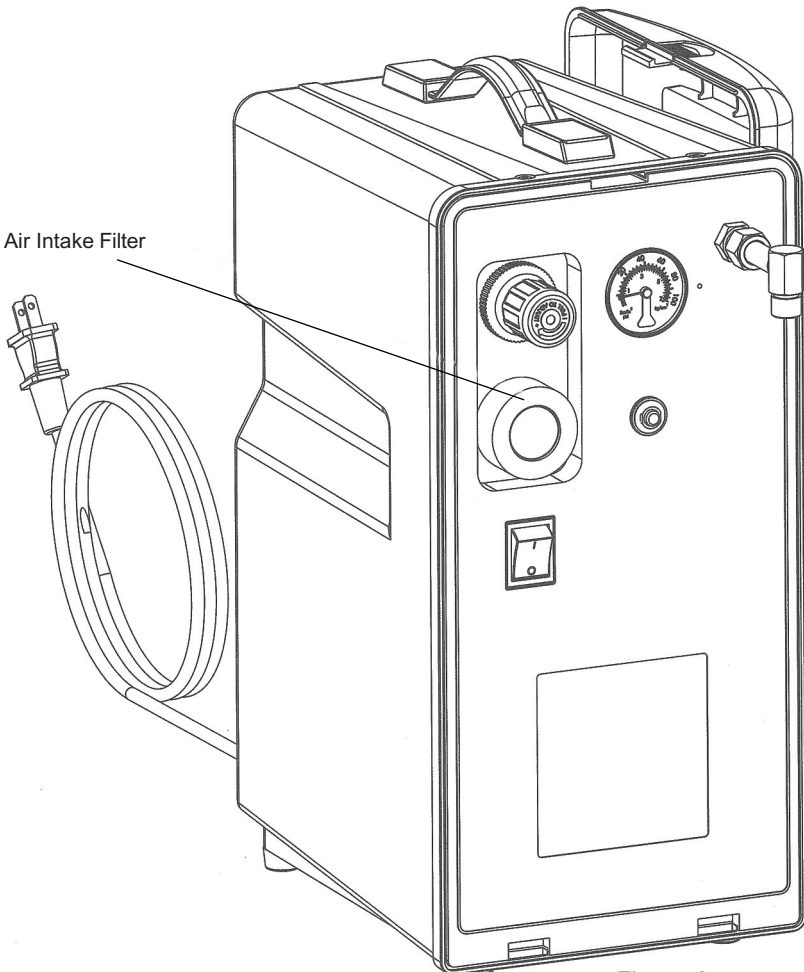


Figure 2

SPECIFICATIONS

Model	CMP501
Size (L) x (W) x (H)	12.2 x 7.7 x 15.3 in (310 x 196 x390 mm)
Weight	17.2 lbs (7.8 kg)
Electrical Requirements	115 VAC ~ 60Hz
Operating Flow Range	11-34 LPM
Operating Pressure Range	7-50 PSI
Power Consumption (Yl/) @0PSI	170
Operating Temperature Range	50°F - 104°F (10°C - 40°C)
Operating Relative Humidity	95%
Storage & Transport Temperature/ Relative Range	14°F to 158°F (-10°C to 70°C)
Circuit Breaker	5A 125/250 VAC
Equipment Classifications	With respect to protection from Electrical shock Class I
Electrical Hazard Protection Class	Type B
Degree of Protection Against the Ingress of Water	IPX0 - Protection is not provided
No AP/APG	Equipment should not be used in the presence of any flammable gasses including nitrous oxide.

TROUBLESHOOTING

If the Heavy Duty 50 PSI Compressor malfunctions, refer to the troubleshooting chart below. If the unit fails to operate correctly after using the troubleshooting chart below, contact your provider for further assistance.

ISSUE	POSSIBLE CAUSE	SOLUTION
A. Unit not operating	<ol style="list-style-type: none">1. Loose or disconnected plug2. No power at wall outlet3. Power switch disconnected internally	<ol style="list-style-type: none">1. Check plug at outlet2. Check power source, check circuit breaker3. Contact your provider or your authorized dealer.
B. Limited air flow	<ol style="list-style-type: none">1. Faulty Tubing2. Leak3. Blocked intake filter	<ol style="list-style-type: none">1. Disconnect tubing at outlet. If proper flow is restored, check equipment and tubing for obstructions or kinks. Replace if needed2. Check fitting at outlet and tubing3. Replace air intake filter
C. All other issues		<ol style="list-style-type: none">1. Contact provider.

LIMITED WARRANTY

The 50 PSI Compressor is warranted to be free from defective workmanship and materials for a period of 12 months from the date of shipment to the initial purchaser of the device from Rhythm Healthcare. Rhythm Healthcare will repair or replace the 50 PSI Compressor at its sole discretion for qualified warranty claims. Rhythm Healthcare requires that an RMA be obtained prior to returning any devices.



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