

RESPIAIR-A1 Compressor Quick Reference



This is a quick reference from the device manual. It is necessary to read the manual of the device completely.



This document is only for professional users of the device who have already read the manual.

Preparation and Installation

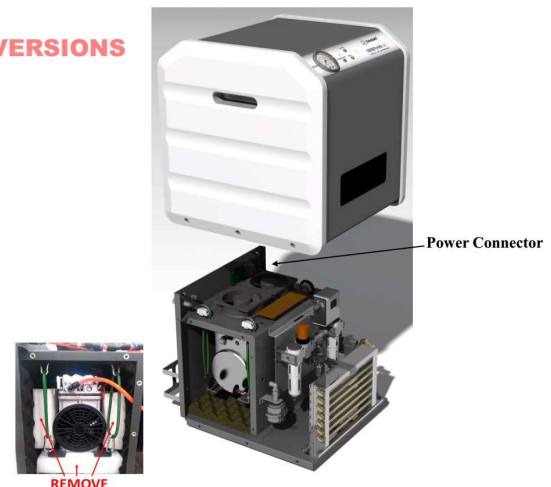
Install the shock-absorbers and put the device on the trolley and screw it to the trolley. While the device is in vertical orientation, open the motor holding screws and detach the motor screws warning label.

In older versions Remove the cover of compressor by unscrewing the nine screws on the sides and back of the cover. Then open the motor portion gate and remove foam stabilizers.

Also in older versions there is a female thimble disconnected from ON/OFF switch (power connector) inside the compressor, reconnect it.



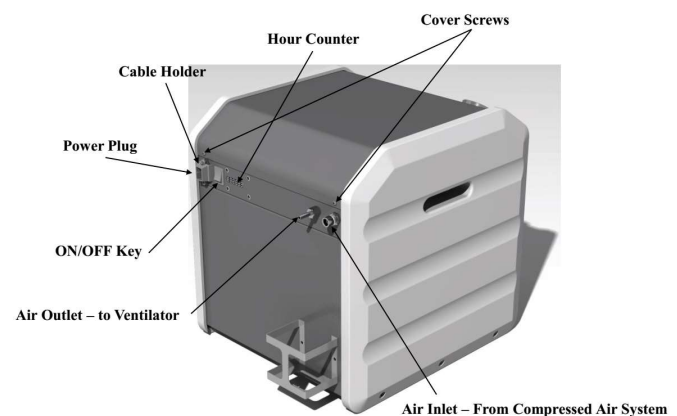
OLDER VERSIONS



Tubes and power cable connections

After installation connect outlet (ventilator) and inlet (compressed air system) tubes and make sure that connections are tight enough (use appropriate clamps).

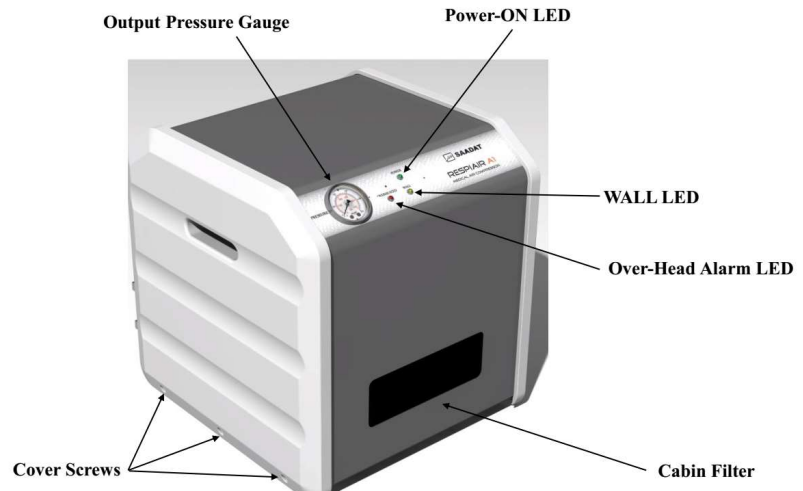
Connect the power cable and screw the cable holder to the compressor body.



Power ON

Switch on the power key and check the following items:

- Power-ON LED should become active.
- When the compressor is connected to the ventilator and ventilator is not active, the gauge pressure should reach to a value between 3.5 and 3.7 in less than 10 seconds.
- Hour counter should become active and it should display a value more than 10.



WALL connection and unloading valve operation

Do the WALL connection tests according to test III. When the WALL is active, the yellow LED should be turned on and compressor should go to the Standby state.

When the WALL connection is not active, switch off and on the power key quickly. Compressor should start working in less than 5 seconds.

Cleaning, disinfecting and sterilizing the device

Do not pour or spray water or other liquids directly on the compressor.

Do not use strong solvents such as acetone or ammonia.

Do not use rough material, such as steel wool, etc.

Before disinfecting the ventilator, make sure that the equipment is switched off and disconnected from the power line.

Do not let the cleaning agent enter into the housing of the system.

Dry out the cleaning agents on any part of the device.

It is recommended to use water and soap for cleaning and isopropyl alcohol for disinfecting all parts of compressor.

Maintenance

Based on the hour counter and according to the following schedule, perform the repair and service procedure.

Maintenance	Time Interval	To be performed by
Clean air intake filter (cabinet filter)	At least once a week	Staff
Check water tray	At least once a week	Staff
Calibration	Every 5000 hours or 12 months (whichever comes first)	Qualified expert
Safety valve operation inspection	Every 5000 hours or 12 months (whichever comes first)	Qualified expert
Replace water trap filter cartridge (40 micron)	Every 5000 hours or 12 months (whichever comes first)	Qualified expert
Replace water trap filter cartridge (5 micron)	Every 10000 hours or 24 months (whichever comes first)	Qualified expert
Motor overhauling	Every 10000 hours or 24 months (whichever comes first)	Qualified expert
Replace suction filter	Every 5000 hours or 12 months (whichever comes first)	Qualified expert
Check cooling fans	Every 5000 hours or 12 months (whichever comes first)	Qualified expert
Check tightness of joint	Every 5000 hours or 12 months (whichever comes first)	Qualified expert

WARNINGS



Do not use this device use in areas where there is a risk of an explosion.



Never operate the compressor in the presence of flammable anesthetics.



Never feed oxygen or nitrous oxide into the compressor.



Connect the device to an electric power supply with a correct grounding.



If the power supply is lost, transfer of compressed air to the ventilator will be disrupted.



Before doing any repair and service, Ensure that the mains plug is removed from the power socket.