

# 4500 PSI/300Bar Converter Inlet 12V Air Compressor



**CE**

**RoHS**

## **Instruction Manual**

12V compressor V1 Series

- AMC062~1  Shutoff compressor manually
- AMC062~2  Shutoff compressor automatically

## INTRODUCTION

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### Thank you for choosing Our Air Compressor.

Follow the instructions when operating this compressor. It will allow you to fill your storage reservoirs or air cylinders easily. Please read the manual very carefully before use. Any damage or injury resulting from misuse or incorrect handling is the sole responsibility of the owner and/or operator.

For your own safety and the safety of others, carefully following warning & important bellows.

### Warning & Important

1. Please use in a well-ventilated area. Do not operate in an area where liquid contaminants can be drawn into the compressor.
2. Do not operate near some places with smoke or open flame.
3. This compressor generates pressurized air; it will cause heat and noise. Gloves & hearing protection & safety glasses should always wear during use.
4. The compressor should only be dismantled by a competent technician; or serious damage/injury may be caused to you or others.
5. Improper disassembly and reassembly will result in leaks, damage, and may void your warranty.
6. Never attempt to dismantle any portion of this compressor when it is pressurized or is hot after running.
7. This compressor is designed to produce dry compressed air only. Do not attempt to feed other gases or pressurized air through for compression. No other gas or gas combination can be used.
8. Do not operating temperature of 150° F/50° C. Long time continually running is not suggested, it will cause the temperature rising, and then to cause parts damaged and the machine life shortened.
9. Make sure the compressor voltage meets your local power supply
10. Make sure it has already added the lubricate oil before using
11. Make sure the power cord is fine before use (No wear and tear or heat damage)
12. Make sure do not operate air compressor with the shell removed
13. Make sure keep eyes on the compressor when it's running, do not let the compressor overfill
14. Avoid your body too close the compressor when it is running
15. Failure to follow instructions and heed warnings may result in damage, serious injury.

**Danger: DO NOT OVERFILL, DO NOT fill the pressure above 4500PSI /300Bar/30Mpa**

## Contents

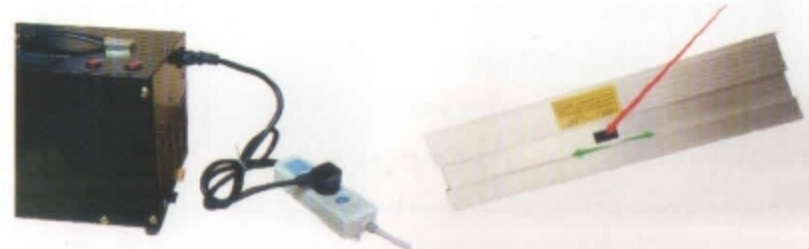
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# Specifications

Model number	AMC062-1	AMC062-2
Function	Shut off the compressor manually	Shut off the compressor automatically
Voltage	100-130V to 12V / 220-250V to 12V	
Features	Transformer inlet	
Size	33*26.5*33.5cm/ 13*10.43*13.19 inch	
Working pressure	4500PSI /30Mpa /300Bar	
Cooling system	Fan cooling	
Charging rate	20min /0.45L tank	
Motor power rating	300W	
OEM	YES	
Certification	CE	

# Assembly/Operation Instructions

(1) Connect the power cord to converter, connect the converter to compressor. There is one switch inside, turn left is 110V, turn right is 220V. Pls double check it to meet your local power supply. (We will adjust it before shipping correspond to your country power supply)



**Important:** Make sure the converter is suiting your local power voltage.  
 (2) Tighten the screw below the compressor. Install the hose and tighten the release valve

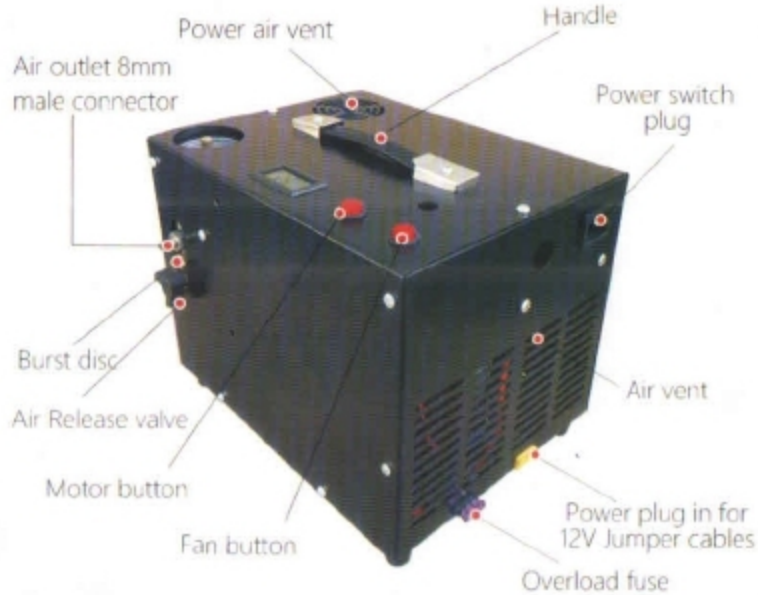


(3) Connect the compressor filling hose to the air tank or other devices.  
 (4) Turn on the compressor fan by press the switch (Right side button); Let the compressor fan running around 2 minutes. Turn on the compressor (Left side button)



**IMPORTANT:** Fan work first, then compressor. If not, any damage or injury occurs is the sole responsibility of the owner and/or operator.

(5) Turn off the compressor when the desired pressure is finished.  
 Note: Still let the compressor fan running for around 2-3 minutes.  
 (6) Turn off the fan finally  
 (7) Disconnect the fill hose from your tank, air cylinder.



### The other way operation: 12V battery / Car driven compressor

(1) We can use 12V battery to drive this compressor. Be sure the voltage is around 12V.

(2) While use the car engine operation, connect the compressor to the car battery using the cables provided. The car battery must be a 12V-DC power source. Red connects to the positive (+) terminal and black connects to the negative (-) terminal. When connected correctly, the compressor fan will start automatically. Otherwise the cooling fan will not work, which will cause the machine to be damaged at high temperature.

(3) Connect the compressor filling hose to the air tank or other devices.

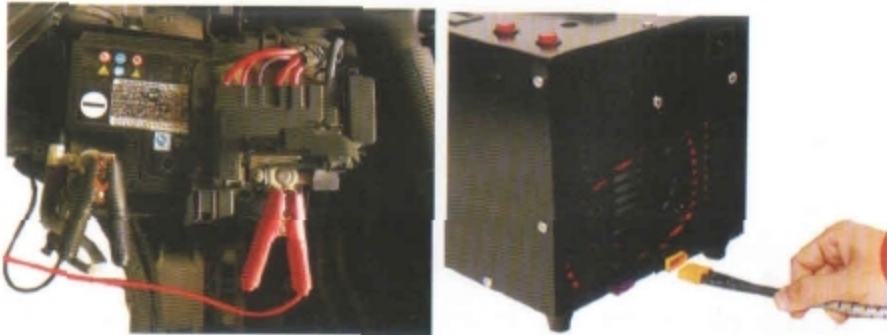
(4) Turn on the compressor fan by press the switch; Let the compressor fan running for a while

(5) Turn on the compressor

(6) Turn off the compressor when the desired pressure is finished. Still let the compressor fan running for around 2-3 minutes, for cooling down the compressor

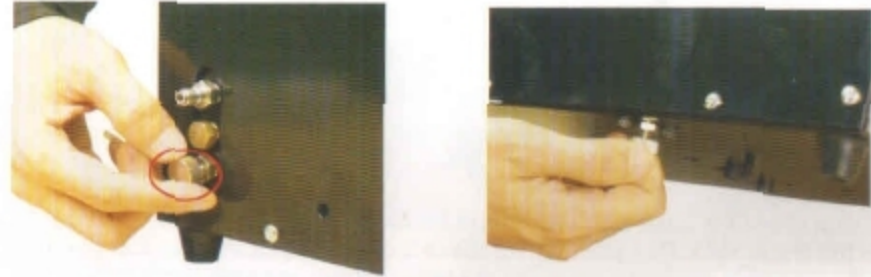
(7) Turn off the fan finally

(8) Separate the tank or other devices from the compressor



### Check before using

1. Make sure tighten the air release valve at the side and the bottom of the compressor



2. Fasten the air outlet adaptor to the female connector.



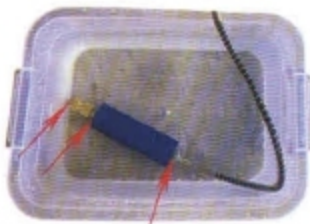
3. After connect the air outlet to the filling hose connector. We need to double check again these 3 connectors. Like spray soapy water to these adaptors to see if it has air leaking when air charging. We also can use very soft tissue close it to see if the tissue is swaying by the high pressure air. Fasten it when we see the bubbles or swaying tissues.



4. Connect the test plug to the filling hose, make sure to fasten it.



5. Put the filling hose with blue filters into water tank. Check if it has bubble in the water tank. Pay attention to these 3 connections. Fasten it at the first time when we see the bubbles in the tank. (Note : we also can connect the blue filter to the other side).



6. Sum up: we need to check the connections before air charging to avoid the latter problems



## AMC 062-2 Model Function

**Model number: AMC062-2 compressor:**

**Setting Pressure Version**

The compressor will auto stop when it reaches the pressure you set.



A

B

C

D

1= Fill Pressure Adjustment (Desired pressure pointer)

2=Starting pressure ( Pressure pointer)

3= Adjustment Knob

### Procedure

(1) Picture B, it tells us we using adjustment knob. This will engage the adjustment and allow you to move the fill pressure adjustment pointer to the right. Set to your desired max fill pressure.

(2) Picture C, the pointer stays status:

Starting pressure shows 0 (zero) condition

Desired Pressure pointer we set at 4500PSI

(3) Picture D, it shows when it reaches the pressure we set, it can shutoff automatically.

**IMPORTANT: Don't set the output pressure above 4500PSI(300Bar)**

(4) When running the compressor, it shows the starting pressure pointer reaching the desired pressure pointer. That is the pressure we want.

(5) If you adjust the output pressure too high, you can bring it back down by simply moving the adjustment knob to the left.

**NOTE: DO NOT adjust the output pressure setting once the compressor is running.**

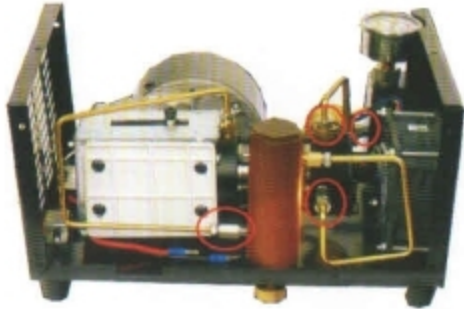
(6) When the compressor reaches the desired pressure we want (the intended max fill pressure) it will shut off automatically.

(7) Be aware that the compressor switch will still be in the "ON" position after it auto stops. You will need to turn it "OFF" before bleeding the pressure via the pressure release valve.

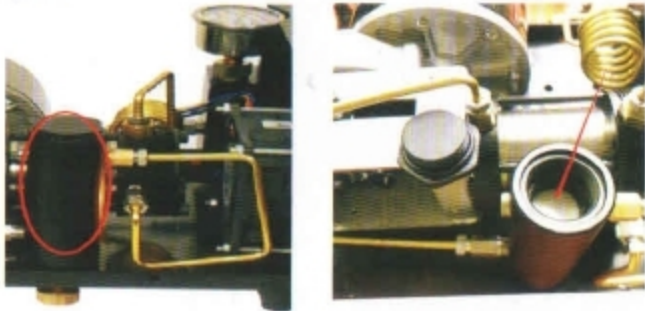
## Maintenance

We suggest after fill 40 bottles of 0.5L air bottle, we need to maintenance it.

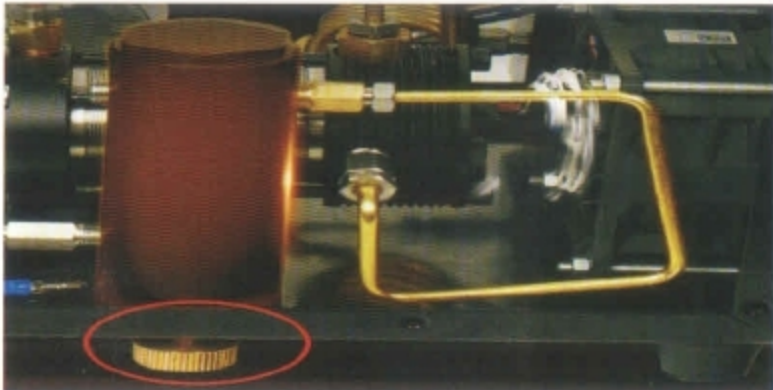
1. Mainly clean these 4 connections; it can reduce the chance of malfunctioning



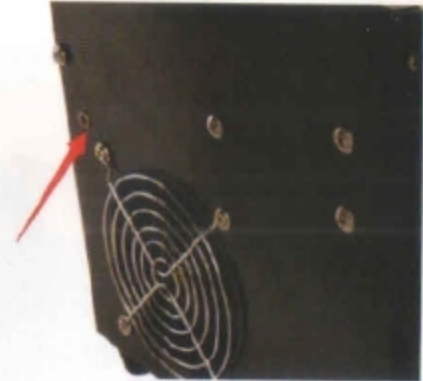
2. Replace the filter cotton core inside, we have put extra cotton fillers in our packing list



3. Drain the waste oil and water from oil drain valve every time to make sure compressor not in load status.



4. Locate the lubrication hole on the left hand side of the unit. Using the included oil applicator bottle, apply 2-3 drops of silicone oil every 5 fills or 1.5 hours of use (whichever comes first).



## Troubleshooting

Issue – Compressor will not start

Possible (1) Connect failure (2) Fuse broken or fuse burning

Resolution: (1) Make sure power converter is plugged into a functional electrical outlet and make sure power converter is properly plugged into the compressor.

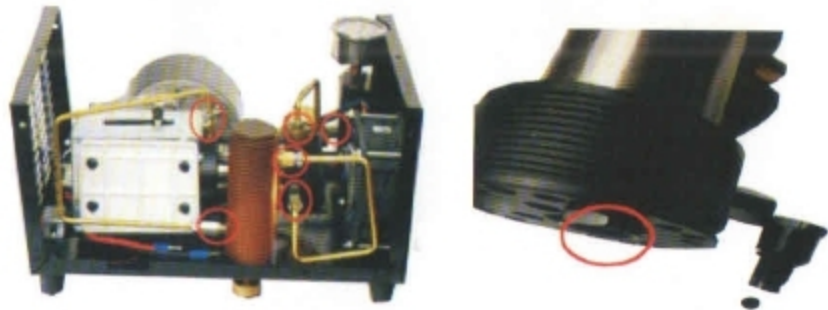
(2) Change the fuse.



Note: If using a 12V battery, make sure the jumper cables are properly connected

Issue – Compressor cannot reach high pressure air  
Possible (1) Air leaking (2) Seal balls problem

Resolution – (1) Check all joints, connections, and screws to see if there is air leaking  
(2) Change the seal balls inside

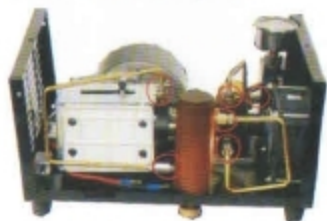


Issue – The air pressure rising slowly or can not reach 200Bar

Possible (1) Air leaking (2) Second piston rings wear out (3) Check valve problem

Resolution – (1) Check all joints, connections, and screws to see if there is air leaking

- ① Check the air tube to see if air escape from it, especially from the bent position.
- ② Check the filling hose filter connections, to make sure fasten it
- ③ Don't fasten too tight about the pressure gauge thread. It has the potential that the thread will break the white plastic pad. We need to replace the plastic pad if it breaks
- ④ Make sure the air release screw is tighten.



(2) Replace the second piston rings



(3) Clean the check valve, especially these connectors. Change the corresponding check valve



Issue – Operating temperature too high  
Possible: (1) Long time use or bad ventilation (2) Fan rotary direction  
Resolution – (1) No let the compressor continuously work, cool the compressor if it is hot (2) Fan should be in the right rotary direction in good ventilation condition  
Any other problems, please contact our after-sell service for help.