



4350 PSI / 300 BAR PORTABLE 12V AIR COMPRESSOR

OPERATION MANUAL

PLEASE READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING THIS HPA COMPRESSOR

RETAIN FOR FUTURE REFERENCE

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This safety alert symbol indicates important safety messages throughout this Operation Manual. When you see this symbol, be alert with warnings to the possibility of personal injury and carefully read the message that follows to avoid risks of serious injury or death.

1. Safety Instructions

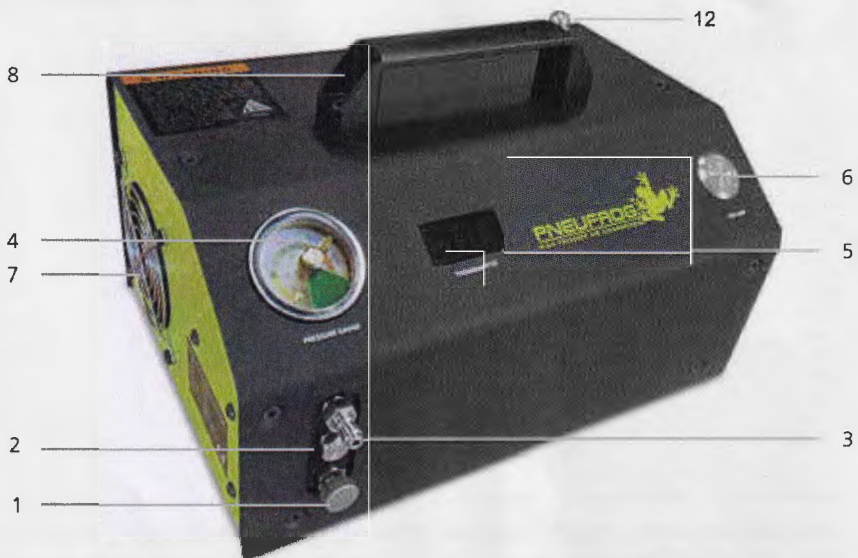
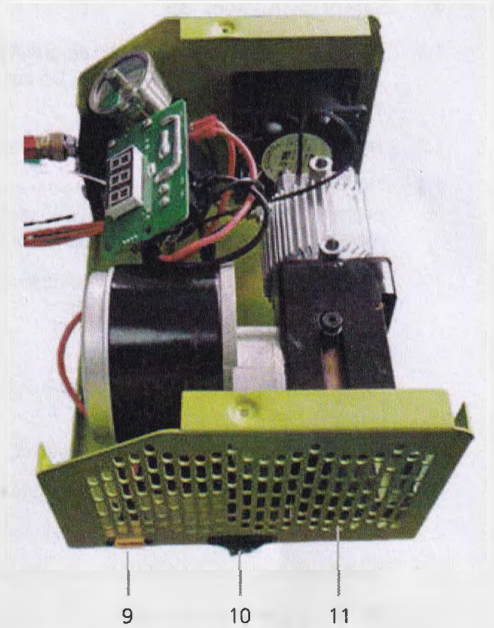
- 1.1 Before you prepare to inflate the air gun, cylinder or other equipment, confirm the maximum pressure of the inflated equipment. Do not over-inflate, otherwise there is a danger of explosion and cause injury or death.
- 1.2 When using this machine, you need to wear goggles to prevent accidental damage to your eyes.
- 1.3 The highest air pressure that this machine can hit is 300bar (4350psi), and the adjustable pressure gauge should not exceed 300bar (4350psi) at one point, otherwise it will damage the machine or cause an explosion, and cause injury or death.
- 1.4 This machine can only blow air, not other gases, otherwise it will damage the machine or explode, and cause injury or death.

2. The design parameters of the product

- 2.1 Power input voltage: 110~220V (AC), power output voltage 12V (DC)
- 2.2 The rated voltage of the electric pump: 12V (DC)
- 2.3 The rated power of the electric pump: 350W
- 2.4 The highest air pressure output by the electric pump: 300bar (4350psi)
- 2.5 The maximum current of the fuse: 40A

3. The design parameters of the product

1. Pressure Release Valve
2. Safety Valve
3. Outlet Connector
4. Pressure Gauge
5. Load Gauge
6. On/Off Button
7. Cooling Fan
8. Handle
9. Power plug-in for 12V Jumper Cables
10. Fuse
11. Air Vent
12. Oil filling hole



4. Operating Instructions

4.1 Operation Instructions: 110V or 220V outlet

- a. Connect the second power cord to the power jack of the air pump. Be careful not to connect the three-plug power cord to the wall socket first.
- b. Connect the three-plug power cord to the 110–220V (AC) power socket. Once the fan plugged into the power supply starts to rotate, the indicator light of the electric pump will be red and the buzzer will sound. The motor and fan of the electric pump will not work.

4.2 Operation Instruction: 12V Battery

- a. Connect the two-plug power cord of the jumper to the power jack of the air pump.
- b. Connect the red clip of the jumper wire to the positive terminal of the battery, and the black clip of the jumper wire to the negative terminal of the battery. Once the battery is connected, the indicator light of the electric pump will be red and the buzzer will sound. The motor and fan of the electric pump will not work.

4.3 Inflation Operation Instructions

- a. Connect the power supply according to the instructions for the **110V or 220V outlet** or the instructions for the external 12V battery.
- b. Find the position of the adjustable pressure gauge, set the ideal pressure value through the knob of the pressure gauge, turn clockwise to increase the pressure value, and turn counterclockwise to decrease the pressure value.

Notice: The maximum air pressure of this machine is 300bar (4350psi), and the adjustable pressure gauge should not exceed 300bar (4350psi), otherwise it will damage the machine or cause an explosion, even cause injury or death.

- c. Connect female connectors on the hose to the electric pump and the male head of the inflated equipment, and connect the filter to the electric pump.

Notice: Make sure the connection between the female quick disconnect on the hose and the male connection on the compressor are tight.

- d. Turn clockwise to tighten the deflation button while ensuring that the device being inflated does not leak air

Notice: If you are filling a PCP airgun from empty, you may need to cock the gun before starting the fill process. Consult the owner's manual of your airgun for further instructions.

- e. Press the start button, the indicator light turns from red to green, and the electric pump starts to work.

Notice: You can stop inflation at any time by pressing the start button. If you need to restart the electric pump, you need to release the gas in the hose.

- f. The electric pump will automatically stop ,When the pressure reaches the set pressure value. The buzzer emits a prompt sound (low-frequency sound), and the indicator light changes from green to red.

Notice: The fan of pump continue to work to cool the pump body. But it will stop to work when the temperature of the pump is less than 40°C.

- g. Rotate the air release button counterclockwise to release the gas in the hose. When the pressure gauge on the compressor reads 0 PSI/BAR, the gas in the hose is exhausted.

Notice: When you loosen the air release button, there may be gas or liquid spraying out from the bottom of the air compressor at high speed. Please try to keep your fingers/hands/eyes away from this part.

- h. Remove the inflated device, unplug the three-pronged power cord or the clip of the jumper cord.

5. Temperature Protection System

- 5.1 When the temperature is over 70°C, the alarm sounds, the indicator light turns from green to red, but the fan continues to work.
- 5.2 When the temperature is less than 40°C, the fan stops to work. When the temperature is over 45°C, the fan will work automatically.

6. Basic Maintenance

6.1 Output Air Filter Replacement

- a. Replace every 10 cycles or 2.5 hours.

Remove the filter and hose assembly from the compressor unit by pulling back the collar on the female quick disconnect fitting and pulling the filter away from the compressor.

Find the seam in the filter housing twist the large half counter-clockwise, unscrewing it until the unit separates.

Locate the cartridge filter inside of the large half of the filter housing. Remove it with tweezers or by puncturing it with an allen key and pulling it out of the housing.

Once the used filter is removed, replace it with a new cartridge filter by pressing the new filter into the large half of the housing.

Reassemble the filter housing by screwing the small and large halves together, turning the large half clockwise until it is hand tight.

Re-attach the female quick disconnect to the compressor by pulling back on the collar on the female while pressing it onto the male fitting. Make sure the collar is in the forward/locked position before attempting to run the compressor.

6.2 Fuse Replacement

Find the location of the fuse, open the soft rubber cover of the fuse, pull out the broken fuse, and replace it with a fuse of the same specification (40A).

6.3 The Safety Valve Replacement

Find the position of the safety valve, use the tool to turn counterclockwise to remove the damaged safety valve, replace it with a safety valve of the same specification (6K), and tighten it clockwise, otherwise it will leak air.

6.4 Sewage Maintenance

After the machine runs for 300 minutes, it is necessary to open the maintenance hole nut on the upper right of the machine, turn left to open, add 5-8 drops of silicone oil from the maintenance package, and open the charging hose and air valve, let the machine run for 3-5 minutes without load (Note: the maintenance hole should open at this time). When no dirt is discharged, the maintenance hole can be covered by turning right.

7. Troubleshooting

7.1 Issue-Compressor will not working

Solution: Make sure power converter is plugged into a functional electrical outlets and make sure power converter is properly plugged into the compressor. if using a 12V battery, make sure the jumper cable are properly connected

7.2 Issue-Compressor is not building pressure

Solution: Make sure the moisture release valve and the pressure release valve are closed. They should be hand tightened and check the inflated equipment is leaking or not.

7.3 Issue-Compressor shuts off before reaching desired pressure

Solution: Make sure the output pressure Dial(Auto shut off) is set properly. Checking the temperature of the electric pump, the temperature protection system automatically shuts down when the temperature is over 40°C. Waiting the temperature drops to 40°C, press the start button to work again.

8. Product Specifications

Model	PNEUFROG (PFC300)
Electrical Outlet	110V - 220V (AC)
Power Supply	12V (DC)
Power	350W
Maximum Pressure	300bar (30Mpa / 4350psi)
Size	360 (L) x 200 (W) x 190 (H) mm
Weight	7.5kg
Charging Time	20 ml / min

Warranty: One year limited warranty.

LIMITED LIFETIME WARRANTY

Your High Pressure Air Compressor and its accompanying accessories is warranted to be free of defects in materials and workmanship for the lifetime of the original owner. This warranty does not cover damages due to fair wear and tear, and failure to provide routine maintenance. This warranty lasts as long as the original purchaser owns the product, and is not transferable. In the event of a defect under this warranty, we will, at our discretion, repair or replace the product provided our inspection indicates that an original defect exists. Nova Vista reserves the right to replace any product which is no longer available with a product of comparable value and function. If Nova Vista determines the repair is not covered under the warranty guidelines, there may be a charge to you for the repair. This is a limited warranty and does not cover damages caused by misuse, modification, improper handling or installation or maintenance provided by someone other than a Nova Vista Authorized Service Center.

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WARRANTY CLAIMS & REPAIR SERVICES

If your High Pressure Air Compressor or its accompanying accessory requires repair, contact Nova Vista Authorized Service Center or visit our website at www.nova-vista.co/contact. DO NOT ATTEMPT TO DISASSEMBLE. Any disassembly or modification not performed by a Nova Vista Authorized Service Center or our appointed qualified personnel will void the warranty.

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