

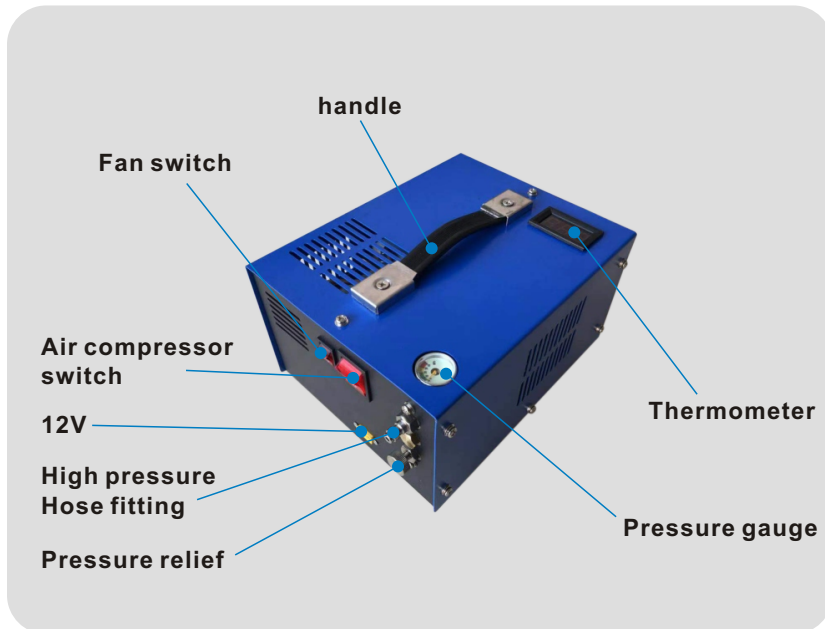
Instructions For Use

Instructions for 12V Vehicle-mounted High Pressure 30Mpa Inflating Pump



Technical parameters:

Model number	220V-110V-12V
Volume	L21.5×W17.5×H13 (CM)
Weight	5.2Kg
Working pressure	4500PSI/30Mpa/300Bar
Cooling system	Fan cooling
Charging rate	18min/0.45L tank
Motor power rating	350W



parts



transformer

I. Description of Test Machine:

1. Test machine: many tests has already been performed for the machine before leaving the factory. Connect the hose quick joint and plug, turn on the power supply, and press the start switch to start the machine. (Note: The vehicle-mounted inflating pump must connect the positive pole to the red line and the negative pole to the black line) Whether the fan operates normally after the machine is started, and whether there are any abnormalities in the sound of the machine (such as friction sound, uneven operation sound and air leakage sound) and whether there are loose fasteners in various parts. Tighten the pressure release valve and observe the running speed of the pressure gauge indicator needle. The test state of the hose plug from 0 to 30Mpa should be about 20 s (see Fig. 1).



see Fig. 1

II. Instructions for Use:

- 1:** 11.5-14V DC power supply is required for normal operation of this machine. Connect the power line to the machine, make sure the machine switch is shut down, and release the vent valve. (See Fig. 2)



see Fig. 2

- 2:** First find the battery position of the car, determine the positive and negative poles of the battery, clamp the red clamp on the positive pole of the battery (corresponding to the battery +), clamp the black clamp on the negative pole of the battery (corresponding to the battery-), and then start the car. (See Fig. 3)

- 3:** Pull out the test plug and store it for use by the testing machine (the test plug is an important part for checking and analyzing machine faults). Link the hose quick connector to the inflation container, turn the switch to start the machine, and tighten the bleeder valve to start inflation after ensuring everything is normal. During the inflation process, the operator should not be too close to the inflation container, please keep a certain safe distance. Closely observe the indicated pressure of the pressure gauge. The maximum design pressure of this machine is 30Mpa. When the pressure is expressed to the required pressure value, please close the switch in time, then open the vent valve, and disassemble the quick connector after draining all the air and water. (See Fig. 4)



see Fig. 3



see Fig. 4

- 4:** If you need to use the machine under the voltage of 110V-220V, please use our optional conversion power supply device. There is a built-in toggle switch (110V and 220V indicators) on the side of the power supply device. The switch should be toggle according to the voltage of the place where it is used (if the place is 110V, turn the switch to 110V, if the place is 220V, turn the switch to 220V). If the direction is wrong, the power supply converter will be damaged. Make sure the power supply is correct before using the machine normally. The operation is carried out according to the previous usage process. (See Fig. 5)



see Fig. 5

III. Precautions:

1. This machine adopts piston ring with automatic friction compensation function, and there is a short preheating process for each work, and the sealing capacity can be restored. The pressure measuring plug attached to the machine can be used to block the air outlet of the high-pressure hose for each start of work, and a pressure test of 1-25Mpa can be carried out, namely the machine can be preheated quickly and the possible abnormal work of the machine can be found at the first time.
2. Professionals must be on duty during the use process. If any abnormal situation is found, stop the machine and loosen the pressure relief valve immediately. It is recommended to normally use the maximum safety index below 30Mpa and prolong the service life of the machine.
3. It is normal that the working temperature of this machine will rise at the beginning. It is necessary to pay attention to the one-time working time with less than 30 min or 90 °C in daily use, so as to avoid the damage of motors and parts caused by long-term load work.
4. The maximum charging pressure of this machine shall not exceed 30Mpa, and the use of overpressure will cause the mechanical life to drop sharply. This machine has overpressure protection over 30Mpa and automatic blasting of anti-bursting discs. Considering all aspects, it is recommended that the safety pressure is below 30Mpa.
5. Do not turn off the fan immediately after the machine is finished. The fan can only be turned off when the machine is cooled to below 50 degrees Celsius.
6. Turn on the pressure relief valve to discharge the pressure of the high-pressure hose as soon as the machine is inflated, so as to prevent the deformation of the high-temperature and high-pressure check valve for a long time. Do not forcibly disassemble the inflation head without emptying the pressure, which will cause the female head sealing ring to fly out and cannot be used next time.

IV. Maintenance and storage:

1. Replace the hose filter cotton regularly. After using it for many times, it is necessary to disassemble the machine for cleaning and replace the piston ring, seal and one-way valve when it is found that the pumping speed obviously decreases.
2. When it is placed in the car, try to avoid relying on hard objects, so as to avoid damaging the machine. Try not to put it in a damp place when placing it at home, so as to prevent electrical appliances from being affected with damp and burning out.