

## Using the GX CS-2 Compressor

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Revision A 09/10/2023

The compressor is used to fill pre-charged pneumatic air pistols/rifles only. Run/fill time is limited to 20 minutes with a 10 minute cool down with the fans powered.

The maximum fill pressure is 4500psi/300BAR/30Mpa.

### **Regularly check the compressor for safe and accurate performance:**

1. Ensure the 12v AC power converter is set to the proper AC input voltage for your area (115/230 volts). Alternatively, a correctly connected running vehicle may also be used as a power source (Vehicle MUST BE RUNNING).
2. If using the AC power supply, ensure that the positive and negative DC output leads are safe and not touching/shorted, plug the AC power unit into the wall outlet at which time the power unit cooling fan will come on.
3. Insure the "Dead Head" plug is in the female Foster fitting.
4. Connect the compressor to the transformer using the battery clips to the proper positive/negative poles on the AC power unit, at which time the compressor fans will operate.
5. With the bleed valve OPEN\*\*, switch the compressor on for a few seconds without a load.
6. After the compressor is on for a few seconds close the bleed valve and start the timer while watching the gauge as the hose starts to fill up.
7. The gauge will start to move upward as pressure in the hose increases and should reach 30Mpa /300BAR/4500psi within 20 seconds.
8. When 30Mpa /300BAR/4500psi is achieved, turn the machine off and then bleed the air from the fill hose record the time elapsed if it is the first time running the Deah Head Test. A sharpie marker on the case is fine.
9. Leave the "Dead Head" in the female Foster fitting to limit contamination of the o ring inside.

**\*\* Note: The bleed hose knob shall be opened after each filling before the fill hose is removed from the air pistol/rifle.**

### **To fill a air pistol or rifle:**

1. Ensure the 12v AC power converter is set to the proper AC input voltage for your area 115/230 volts. Alternatively, a correctly connected running vehicle may also be used as a power source (Vehicle MUST BE RUNNING).

2. If using the AC power supply, ensure that the positive and negative DC output leads are safe and not touching/shorted, plug the AC power unit into the wall outlet at which time the power unit cooling fan will come on.
3. Remove “deadhead” from the female Foster fitting and connect the hose to the fill port on your air pistol/rifle.
4. Connect the compressor to the AC power unit using the battery clips to the correct positive/negative poles on the AC power unit, at which time the fans on the compressor will start up.
5. With the bleed valve **OPEN\*\***, switch the compressor on for a few seconds without a load.
6. After the compressor is running for a few seconds close the bleed valve while watching the gauge as the pistol/rifle begins to fill with air.

**(While filling the pistol/rifle the gauge on the pistol/rifle should be watched as that gauge is calibrated in PSI and not Mpa.) Alternatively, you can change the gauge on your GX pump for more one calibrated in more common units ([www.targetforge.net](http://www.targetforge.net))**

7. When the desired pressure is reached in the air pistol/rifle, switch the compressor off immediately and then release the pressure in the hose by loosening the bleed knob. DO NOT operate a CS2/CS3 longer than 20 minutes before cooling completely.
8. Allow the compressor and transformer fans to run for five to ten minutes after filling your air pistol/rifle in order for the equipment to cool properly.
9. After a few minutes, disconnect the compressor from the AC source and disconnect the AC power unit from the wall outlet, re-insert the “Dead Head” into the female Foster fitting and then properly store all components away safely and away from dust or other debris.

**From time to time, it is a good idea to use a shop compressor and blow away any accumulated dust that may have landed on the CS2 compressor. Do this so the compressor fans do not draw this dust inside the compressor. Also periodically check the inlet filter element. Spares are available at [www.targetforge.net](http://www.targetforge.net)**

### **Maintenance of the GX CS-2**

Every 50-75 hours a quick lube of the cylinder gasket, connecting rod pin, piston rod should be done. After 150 hours, the whole compressor should be re-lubed.