



# User Manual

## Cryo Gun

- Dimensions: 19" x 2" x 8" (48cm x 5cm x 20cm)
- Distance: 0-35 feet (0m-10.6m)
- Weight: 2.7 pounds (1.2 Kg)
- PSI Rating: 0-2250 (0-155 bar)
- Material: ABS/Brass/Steel
- Noise Level: 110 decibels
- Color: Black
- Voltage: N/A
- Hardware: 2250 psi Hose with attached Co2 tank connector fitting.
- Description: This is the handheld version of the most popular Cryo Jet you may have seen at nightclubs or concerts. This CryoFX Cryo-Gun shoots a cloud of CO2 up to 25-35 feet wherever the operator wants it. This unit is used in Nightclubs, Bars, Concerts, DJ Booths and more.



• More info and products please visit [www.CryoFX.com](http://www.CryoFX.com) •

1. Unpack CryoFX Cryo-Gun and Hose. Find end of hose that has fitting pictured below. Pull back the outside part (ring) of the fitting and insert the Cryo-Gun as shown below. Let go of ring as it should snap back forward. You may need to push the Cryo-Gun and hose together for the ring to snap forward. This will lock the Cryo-Gun and hose together. Pull Cryo-Gun and hose apart to make sure the Cryo-Gun is attached to the hose.



2. Take other end of hose with the fitting shown below. Take the piece of tape off the top of the fitting and throw it away. Make sure the plastic O-ring stays inside the fitting. Screw fitting onto tank with your hand until it's tight. Then take an adjustable wrench, as shown below, and tighten the fitting onto the tank fairly tight.



3. SLOWLY turn the valve on top of the tank. The hose may move as the liquid CO2 enters the hose and makes it stiff. Check for any leaks you may see as you open the valve more. If you notice leaks, turn off the valve.



4. Grab the Cryo-Gun and slowly squeeze inner handle to spray CO2. Make sure you have a firm grip as the Cryo-Gun may slip out of your hand while spraying. When finished using, turn valve on top of tank in opposite direction as the last time you turned it so as to close the valve. Return to Cryo-Gun and squeeze handle to let the remaining CO2 in the hose out.



**WARNING:** NEVER disconnect the Cryo-Gun from the hose or unscrew the hose from the Co2 tank while there is pressure in the hose. Turn off valve and squeeze handle to release pressure beforehand.

**DISCLAIMER:** CryoFX.com is not responsible or held liable for any damages resulting from use of this equipment or any CO2 equipment. The equipment listed within is for special effects purposes only and should be used only by professionals or those who fully understand the use, operation, effects, and dangers of all equipment listed herein. All equipment should be tested before actual use in front of an audience. Any other use other than what is specified is prohibited and can cause extreme dangers to anyone in the vicinity. CO2 Jets and CO2 guns should never be pointed directly at people closer than 5 feet in distance. CO2 Jets and CO2 Guns should never be pointed at someones face for an extended period of time as CO2 displaces oxygen therefore suffocating those in the direct path. Again, we, CryoFX.com are NOT responsible or held liable for misuse or damages resulting from the equipment listed herein.

### **Is there a warranty on this Cryo Gun?**

Yes, there is a lifetime limited warranty which will cover operational and mechanical defects only.

### **Can I disconnect the Cryo Gun from the hose during use?**

NO, never disconnect the Cryo Jet from the hose while there is pressure in the line or the valve is in the on position on the Co<sub>2</sub> bottle.

### **Are tools needed before I use this Cryo Gun?**

Yes, one crescent wrench or adjustable wrench is needed to connect the hose to the CO<sub>2</sub> tank.

### **What kind of tank or bottle do I need?**

You need one of two tanks. The most standard of the two tanks needed is a 50 pound high pressure Carbon Dioxide CO<sub>2</sub> siphon tube tank, also called a "Siphon Tank" or "Dip Tube Tank". The siphon tank has a tube that drops down the center to the bottom of the tank to dispense the liquid CO<sub>2</sub>. Make sure you ask for a Siphon tank as a standard CO<sub>2</sub> tank will not work. The alternative type of tank used is a Dewar tank, which is a larger low pressure refrigerated tank containing much more CO<sub>2</sub> but at a lower pressure of 350psi or less..

### **Where can I buy Carbon Dioxide, also called CO<sub>2</sub>?**

You can find CO<sub>2</sub> gas at a local welding supply shop or Gas supplier (not the gas you put in your car). AIRGAS is a national company which provides CO<sub>2</sub>.

### **How long will the tanks last?**

This varies a little on the length of the hose, the length of the blasts and the tank you are using (50 pound High Pressure CO<sub>2</sub> Siphon or Low Pressure Dewar). The average blast is 2 seconds long, so a High Pressure 50 pound Siphon Tank has 1.5 min of effect and a Low Pressure Dewar Tank has about 10 minutes of effect.

### **Can CO<sub>2</sub> cool down an area?**

Yes, between 20-35% depending how it is used. A solid stream is colder directly in front than it is towards the outside of the stream of the blast.

### **What is a good hose length for my Cryo Gun?**

The best length for the hose is between 20 feet and 30 feet. Any hose longer than 50 feet will not work as efficiently as a shorter hose therefore minimizing the output of the effect.

### **Can I connect multiple hoses or order longer hoses?**

Yes. we can custom make any size hose with any number of quick connect fittings or standard fittings so you have the future option to shorten or lengthen your hose. We can also create custom hoses for two or more Cryo Gun to run off the same tank or one Cryo Gun to run off multiple tanks. Please email with any inquiries.

### **How far or how high do the plumes (clouds) of CO<sub>2</sub> travel when exiting the Cryo Gun?**

The CO<sub>2</sub> plumes will reach at least 20 feet to 30 feet. The humidity in the air directly affects the visibility in relation to length and density of the CO<sub>2</sub> cloud. The more the humidity, the better and farther the white cloud of CO<sub>2</sub> can be seen.

### **Is it dangerous to shoot the CO<sub>2</sub> directly at people?**

Yes. CO<sub>2</sub> displaces oxygen therefore making it very difficult to breath in the immediate path of the CO<sub>2</sub> plume cloud. Avoid spraying it directly at people who are closer than 6 feet in distance. CO<sub>2</sub> is also very cold, up to -40 Degrees F. and could easily freeze skin and body parts.

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