



User Manual

Cryo Swing Jet

- **Weight:** 19.8 pounds / 9Kg
- **Pressure Rating:** 0-1000 psi / 69Bar
- **Noise Level:** 110 decibels
- **Color:** Black
- **Distance:** 20-30 feet
- **Range:** 180° Degrees
- **Material:** ABS/Brass/Steel
- **Voltage:** 110VAC/220VAC 50/60Hz
- **Dimensions:** 11.81" x 7.09" x 9.06" / 30cm x 18cm x 23cm
- **Operation:** DMX 512 Standard DMX Controller
- **Hardware:** 2250 psi Hose with attached CO₂ tank connector fitting.
- **Description:** This Cryo Swing Jet allows you to cover 180° degrees of back and forth effect. While mounted, it is controlled by a DMX controller, providing you the ability to create a swing motion with the CO₂ as if you had a handheld Cryo Gun



• *More info and products please visit www.CryoFX.com •*

1. Unpack CryoFX Swing Cryo Jet, hose, and cable. Locate fitting on both hose and Swing Cryo Jet as pictured below. Pull back the outside part (ring) of the fitting on the hose and insert the fitting on the Swing Cryo Jet as shown below. Let go of ring as you push both fittings together until the outer ring snaps back forward. This will lock the hose and Cryo Jet together. Gently pull both fittings apart to make sure the hose is attached to the Swing Cryo Jet.



2. Locate the panel show below in the first image. Locate the end of the DMX cable shown below. Plug the end of the DMX cable, as shown below, into the unit and the other end into your DMX controller. Set the DMX to your preferred channel using the small buttons above and below to change the numbers. For standard use, leave DMX set to 001 and this will allow you to use the Swing Cryo Jet on channel 1. Note that 2 faders are used with DMX control; 1 for on/off of Jet and 1 for swing arm control.



3. Locate 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. Do not tighten too tight as damage or breakage may result.



4. 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 and locate leaks. Once located contact CryoFX. 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. Activate Cryo Jet a few more times to let the remaining CO2 in the hose out.



WARNING: Co2 Blasts cannot exceed 3 seconds in length for each blast. Two blasts cannot occur within 5 seconds of eachother. Power must be connected last as to ensure safety.

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 Jet?

Yes, there is 1 year limited warranty which will cover operational and mechanical defects only.

Can I disconnect the Cryo Jet 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 CO₂ bottle.

Are tools needed before I use this Cryo Jet?

Yes, one crescent wrench or adjustable wrench is needed to connect the hose to the CO₂ 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 CO₂ 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 CO₂. Make sure you ask for a Siphon tank as a standard CO₂ 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 CO₂ but at a lower pressure of 350psi or less..

Where can I buy Carbon Dioxide, also called CO₂?

You can find CO₂ 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 CO₂.

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 CO₂ 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 CO₂ 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 Jet?

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 Jets to run off the same tank or one Cryo Jet to run off multiple tanks. Please email with any inquiries.

How far or how high do the plumes (clouds) of CO₂ travel when exiting the Cryo Jet?

The CO₂ 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 CO₂ cloud. The more the humidity, the better and farther the white cloud of CO₂ can be seen.

Is it dangerous to shoot the CO₂ directly at people?

Yes. CO₂ displaces oxygen therefore making it very difficult to breath in the immediate path of the CO₂ plume cloud. Avoid spraying it directly at people who are closer than 6 feet in distance. CO₂ is also very cold, up to -40 Degrees F. and could easily freeze skin and body parts.

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