

Look Solutions CryoFog CO2 Information

The CryoFog requires a dewar of Liquid CO₂, which is typically 180 liters and weighs 600 lbs. Two common supply chains are Airgas and Praxair. The cost is usually around \$150-\$200, including delivery, pickup, and tank rental. This will provide 90 minutes of fog at maximum output, and 3 hours of fog at typical output.

The supplier may ask if they can substitute a high pressure tank with a siphon tube, and the answer is no. The CryoFog requires 300 psi and the high pressure tanks are 1,000 psi. The supplier may ask if they can put a Regulator on the high pressure tank to reduce the pressure to 300 psi, and the answer again is no. The CryoFog requires liquid CO₂ and when liquid goes through a Regulator it partially changes to gas.

Upon delivery, you should ask the supplier to place the dewar in the location where you will be using it. It's very difficult to move the dewar later, without the proper cart. It should be located as close to the CryoFog as possible in order to prevent liquid CO₂ from turning to gas in the connector hose, which causes a significant delay every time you want to make fog.

The dewar has a "pressure-builder" on it which can adjust the pressure up to 350 psi. 300 psi is a good level to use with the CryoFog. Open the pressure-builder when you want to increase the pressure in the dewar. Please note that it takes several hours for the pressure to rise.

The dewar has both Gas and Liquid outlets. Be sure to connect the hose from the CryoFog to the Liquid outlet. When you're not using the fogger, you should close the main valve on the top of the dewar. Then you should run the fogger for a few seconds, to exhaust the CO₂ from the connector hose.

If you still have questions, please call the Look Solutions Technical Hotline at (646) 300-0520.