



NITROSYS^{PLUS} OPERATION MANUAL



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I. NITROSYS PLUS STARTUP

⚠ Before leaving your shop for the day, check your oil levels and gasoline levels for the day on your generator and compressor. If you have to add oil to your generator, there is a fill plug at the top of the engine.

1.1 TO START YOUR GENERATOR OR CONNECT SHORE POWER:



1.1a. On a cold crank, pull the choke.

1.1b. Once the choke is open, go ahead and start the unit. It may take 3-4 seconds for it to start.

1.1c. Once it has started, disengage the choke and wait for the unit to run smoothly.

1.1d. Now you can turn on your breakers.

OR

1.1e. Locate 2 separate dedicated 20 amp receptacle circuits

1.1f. Use only a 12 gauge (12/3) extension cords to go from receptacles to Nitrosys cabinet

1.1g

Then plug in drop cord to A and B heaters

It is recommended to use one dedicated circuit for the hose power input and one dedicated circuit to be shared for the A and B power input on the Nitrosys unit



1.2 TO START YOUR COMPRESSOR:

1.2a. For a cold start, use your toggle switch to turn to the on position.

1.2b. Turn your choke on and pull start the unit.

1.2c. Once unit has started, you can turn choke off.

1.2d. Plug in air line to compressor.

1.2e. Open your air valve and adjust air pressures as needed.



1.3. ON THE RIGHT SIDE OF YOUR NITROSYS CABINET LOCATE YOUR MAIN POWER DISCONNECT AND ESTABLISH POWER.



1.4. TURN ON YOUR INDIVIDUAL HOSE AND PRIMARY HEAT ZONES (THE THREE TEMPERATURE CONTROLLERS LOCATED ON THE FRONT OF THE CABINET)

⚠ IT IS RECOMMENDED THAT IF YOU DO NOT HAVE CLEAN POWER, TO GO AHEAD AND START WITH JUST YOUR HOSE HEAT



1.4a. Once your hose heat gets up to your target temperature, which you can adjust with the up and down arrows, you can go ahead and establish heat to your primary heaters



1.5. ONCE YOU HAVE ADJUSTED YOUR PRIMARY HEATERS AND YOUR HOSE HEAT TO WHAT ACTUAL TEMPERATURE YOU WANT TO BE PROCESSING AT, THE NEXT STEP IS TO INTRODUCE MATERIAL INTO YOUR CABINET BY OPENING YOUR BALL VALVES.

1.6. ONCE YOU OPEN YOUR BALL VALVES, MAKE SURE THAT YOU HAVE AIR CONNECTED TO THE CABINET.



1.7. NEXT YOU WANT TO MAKE SURE THAT YOU HAVE FLUID SUPPLY TO YOUR CABINET.

1.7a. You have your quick connects on the A and B side and you want to connect them to the transfer pump and make sure you have air, making sure your valves are open.

1.8. ONCE YOU ARE WITHIN RANGE OF YOUR SETPOINTS, OPEN UP THE FLUID PRESSURE VALVES TO YOUR GREENFLARE HEATED HOSE SYSTEM.



1.9. ONCE YOU HAVE GOTTEN EVERYTHING UP TO YOUR TARGET TEMPERATURES AND YOU ARE READY TO SPRAY, YOU RESET YOUR CYCLE COUNTER BY PRESSING THE BUTTON LOCATED ON THE CABINET.

1.10. NOW YOU ARE READY TO GET YOUR GUN READY TO SPRAY.

1.10a. Gun should be cleaned and greased at shutdown and ready to go. If not, refer to shutdown gun maintenance.

1.10b. If your gun is not connected, use the push to connect fitting and push into air valve.

1.10c. Open air valves **FIRST**

1.10d. Open fluid valves .

AIR VALVE OPEN POSITION

FLUID VALVE OPEN POSITION



2. NITROSYS PLUS SHUTDOWN

2.1 FIRST, YOU WILL NEED TO SHUT DOWN YOUR GUN BY TURNING OFF YOUR AIR AND TWO FLUID VALVES.

AIR OFF-POSITION



FLUID OFF-POSITION



2.2 DISCONNECT YOUR TRANSFER PUMPS BY REMOVING YOUR QUICK CONNECTS FROM PUMPS ON YOUR A AND B SIDES.



2.3. DEPRESSURIZE YOUR HOSE BY PUTTING IT INTO THE RE-CIRCULATION POSITION.



2.4. SHUT OFF THE BALL VALVES TO YOUR INLET SUPPLY SIDE.



2.5. TURN OFF YOUR HEAT ZONES.



2.6. TURN OFF YOUR MAIN DISCONNECT SWITCH.

2.6a. Turn off breakers , generator and compressor.



2.7. FLUSH OUT YOUR SYSTEM.

2.7a. At the two ports, you need to push down on the collar and remove the plug.

2.7b. Take your Sure Shot Flush Pot (FILLED WITH DOP ONLY!!!!!!!!!!!!!!!!!!!!!!) and insert into the A and B ports.

2.7c. Pull trigger for three seconds. This will flush out your system.

2.7d. Put plugs back into ports.



3. NITROSYS PLUS GUN MAINTENANCE AT SHUTDOWN

3.1. REMOVE ALUMINUM PLUG OUT FROM THE FRONT OF THE GUN FOR CLEANING

3.1a. Take your pin vice and drill bit and drill out the fluid Orifices and the air Orifice.



3.2. PLACE ALUMINUM PLUG IN CU-6 SOLVENT CONTAINER.



3.3 ON THE FRONT OF THE GUN, TAKE YOUR WIRE BRUSH AND REMOVE ANY RESIDUAL OR BUILT UP FOAM THAT MAY BE ON THE FRONT OF THE GUN.



3.4. APPLY SUPER LUBE GUN GREASE AND LUBRICATE THE ALL THE WAY AROUND FRONT OF THE GUN.



4. IF FOAM HAS ENTERED THE AIR LINE AND CAUSED GUN FAILURE:

4.1. PULL BLACK TUBING BACKWARDS ALL THE WAY OUT OF THE GUN.



4.2. TAKE NEW NYLON TUBING, WITH THE TAPERED END FIRST AND FEED IT THROUGH THE TOP OF THE GUN UNTIL IT STICKS OUT THE VERY FRONT OF THE GUN.



4.3. ONCE YOU CAN SEE THE PLASTIC TUBING, TAKE NEEDLE NOSE PLIERS AND PULL IT FORWARD THROUGH THE FRONT OF THE GUN.



4.4. TAKE RAZOR BLADE AND CUT OFF ANY RESIDUAL OR DAMAGED TUBING AND PULL THE TUBING BACK A BIT.



4.5. RECONNECT THE PUSH TO CONNECT FITTING AND PUSH INTO AIR VALVE.

