

# Quick Start Guide

## ELEMENT 7™ Nitrogen Generation System

**Congratulations on the purchase of your new ELEMENT 7 Nitrogen Generation System.** This system's intended purpose is for nitrogen gas usage in food and beverage applications. It is to be used in accordance with UL1450 and NSF standards along with all applicable local and national codes. This system utilizes an oil-free rocking piston compressor that produces high purity nitrogen gas for use in dispensing, sparging, and blending beverage systems. A pressure switch is utilized to maximize system efficiency and nitrogen.

**⚠️ WARNING:** Please read the O&M manual completely before installing and using the product. Save this guide and the O&M manual for future reference.

### Troubleshooting

1. System will not turn on or cycle
  - a. Ensure cord is securely seated in the proper receptacle
  - b. Breaker for the power outlet is turned on
2. Tap will not dispense or will only dispense a few cups
  - a. Gauge on the generator is above 65 psi
  - b. Gas supply line is firmly connected
  - c. No kinks in the gas supply line
  - d. All items from issue #1 above
3. System continues to cycle while not being used
  - a. Check for leaks along all of the gas line connections using soapy water, repair any leaks
  - b. Verify all items for issue #2 above
4. System is very loud or vibrates excessively
  - a. Make sure cover screws are secured
  - b. Verify the system is not contacting another surface

#### Items provided in the box

- Nitrogen Generator • Operating Manual • 1/4-in FFL w/ Hose Barb
- Female Quick Disconnect with 1/4-in Barb • Hose Clamp

#### Additional / Recommended parts for install

- Gas Supply Line • Additional Hose Clamp(s)

#### Recommended tools for install

- Wire Cutters • Tubing Cutter • Wrench • Pliers • Screwdriver

### CONFINED SPACE INSTALLATION WARNING

This system should be installed in a well vented area with a minimum clearance of 6 inches on the vented sides of the unit. A minimum clearance of 1 inch should be maintained from the top of the unit. If being installed in a cabinet, the system must have proper ventilation.



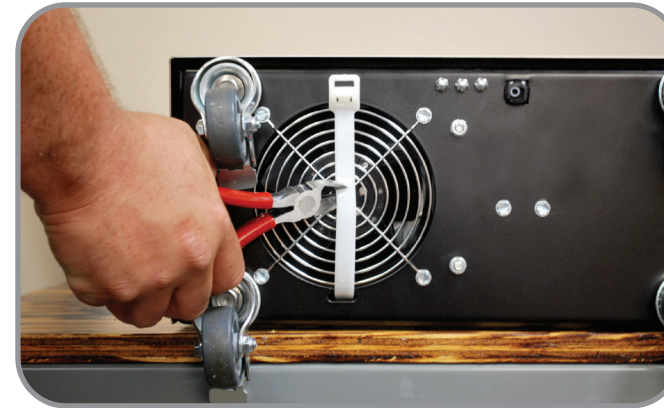
**INSTALL IN A WELL VENTILATED AREA OR PROVIDE FOR EXHAUST OF WASTE GAS AND OXYGEN MONITORING. BREATHING CONCENTRATED NITROGEN CAN CAUSE ASPHYXIATION. CONFINED WASTE OXYGEN INCREASES RISK OF FIRE.**

#### DO

- Verify minimum clearances around the sides and front of the system are met
- Ensure installation area is well ventilated

#### DON'T

- Install in a closed cabinet



- 1 **Unpack the Gas Generator System** and lay it down carefully on the back side. Cut and remove the wire tie holding the compressor.

#### DO

- Inspect the product for damage
- Ensure incoming line voltage is above 110V
- Ensure room temperature is below 40°C (104°F)
- Ensure bottom and sides are free from obstruction

#### DON'T

- Throw away packaging, manuals, or part packet
- Install in a dusty/dirty non-ventilated or enclosed area without proper cooling
- Run system with the wire tie installed



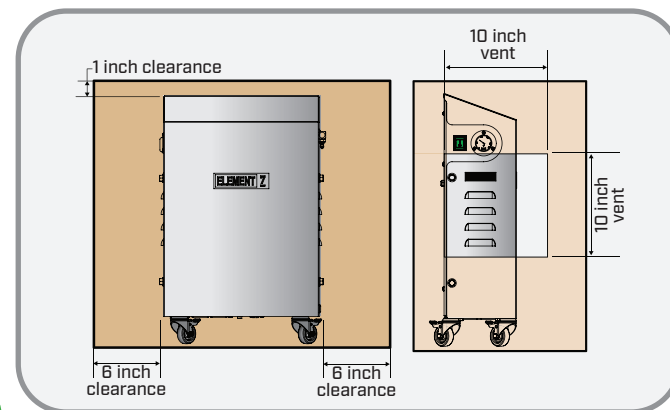
- 2 **Install 1/4-inch ID flex tube on outlet fitting** and secure using hose clamp.

#### DO

- Ensure flex tube is rated for at least 135 psi
- Place the hose clamp on the hose first and then fully seat the hose barb in the gas line
- Crimp the hose clamp and ensure fully seated and sealed, check for leaks with soapy water
- Securely fasten flexible hose to system, pulling on it to ensure it is seated

#### DON'T

- Forget to add the hose clamp first or fully seat the fitting barb. Leaks are primary cause for early system failures



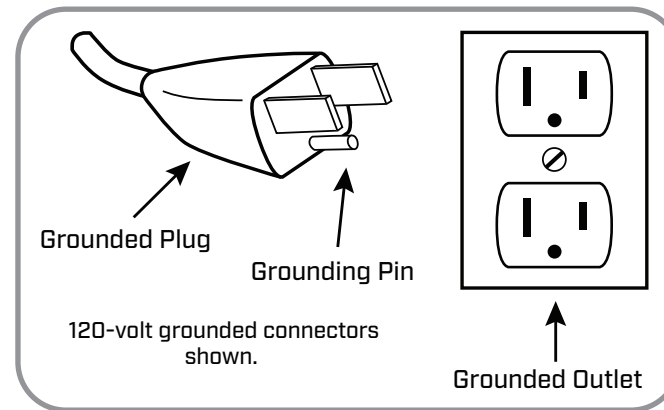
- 3 **Set system in final location.**

#### DO

- Follow all minimum clearance requirements for proper ventilation and confined spaces

#### DON'T

- Install system on un-level surfaces
- Pinch, kink or excessively bend the gas line or power cord



- 4 **Plug power cord into outlet** and allow to fully pressurize. This could take up to five minutes depending on the installation.

#### DO

- Listen for system to turn on to verify pressure is building in the system

#### DON'T

- Unplug the system during startup
- Open one or both taps during generator charging cycle
- Don't turn on the system until all connections are made
- Cut or excessively bend the cord
- Use an extension cord small 14AWG



- 5 **Run the system checks.**

- a. Verify pressure gauge on the front of the system shows 125 psi ±7 psi
- b. Pour 6 to 12 cups of Nitro Cold Brew and ensure system cycles
- c. Verify gas supply line is securely installed
- d. To verify no leaks in the system, unplug the generator and let the system sit for least 30 minutes without using the dispenser. After 30 minutes have passed, plug the generator in and verify the compressor does not run. If it does, see trouble shooting guide in the O&M manual or contact the factory