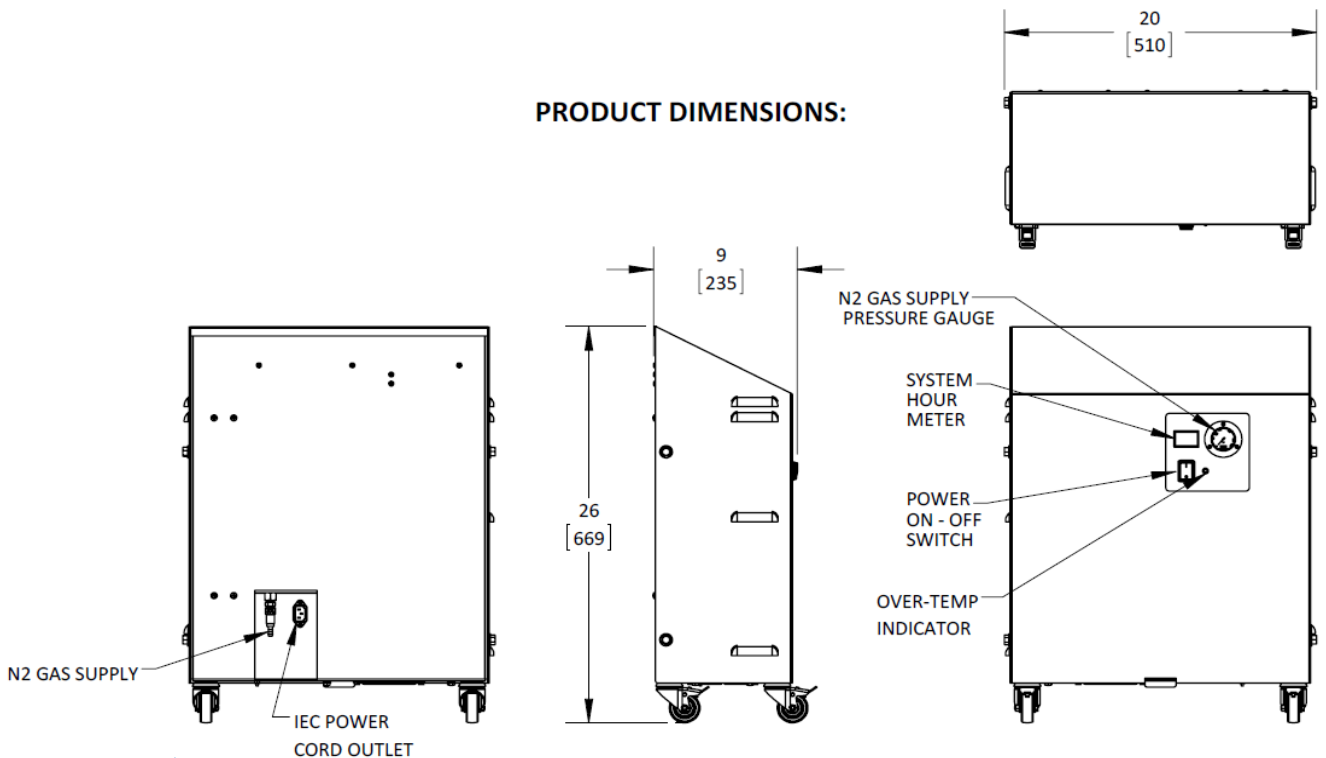




**Portable High Volume Nitrogen Generator**

MODEL NO.	AMP	HP	KW	NET WT.		VOLTS	FREQ
				LBS	KG		
2700-99	6	1/2	0.37	100	45	120	60
ENVIRONMENT	Clean, Dust Free, Well Vented						
NORMAL AMBIENT	4-40°C / 39-104°F						
RELATIVE HUMIDITY	15-80% Non Condensing						
NOISE LEVEL	≤ 59dB(A)						
N2 PURITY	Up to 99.8%						
N2 OUTPUT PRESSURE	System Pre-Set to 80psi						
FLOW RATE	6 SCFH						
WASTE WATER MANAGEMENT	Evaporation Tray						
SAFETY CERTIFICATIONS	ISO 8573-1 class 2.2.1						
	Conforms to NSF 18 Requirements						
	System is cULus Certified						

**PRODUCT DIMENSIONS:**



# Quick Start Guide

## Nitrogen Generation System

This system 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. A regulated pressure output, timing system, and pressure switch are utilized to maximize system efficiency and nitrogen purity.

**⚠️ 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.

### Items provided in the box

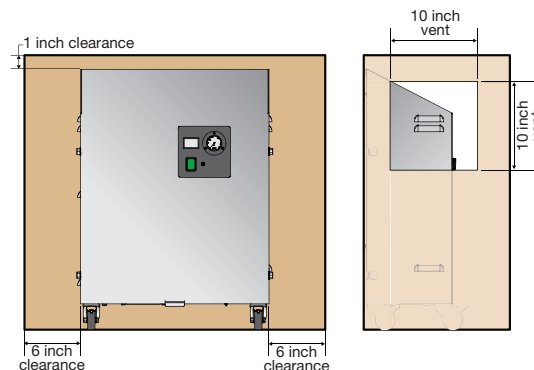
• Nitrogen Generator • Power Cord • L Bracket • O&M Manual • Quick Connect Fitting • Hose Clamps

### Additional / Recommended parts for install

• Mounting Screws/Bolts • Additional Hose Clamp(s) • Gas Supply Line Keg Disconnect

### Recommended tools for install

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



### CONFINED SPACE INSTALLATION WARNING

The system should be installed in a well ventilated area with a minimum clearance of 6 inches on vented side of unit. A minimum clearance of 1 inch should be maintained from the top of the unit. If being installed inside a closed cabinet, the system must have proper ventilation. A vent no smaller than 10" x 10" must be installed in the cabinet. The underside of unit must remain obstruction free.

#### DO

- Do verify minimum clearances around the vented sides of the system are met
- Do cut a ventilation hole at least 10" x 10" if installed inside a cabinet or other confined space

#### DON'T

- Install in a closed cabinet without proper ventilation

### Troubleshooting

- System will not turn on, cycle, or green power switch is not illuminated
  - Ensure each end of the cord is securely seated in the proper receptacle
  - Breaker for the power outlet is on
  - System power switch is in the on position (I)
- Tap will not dispense or will only dispense a few cups
  - Gauge on the front of the generator is between 75 and 85 psi
  - Gas supply line is firmly connected
  - All items from Issue #1 above
  - No kinks in the gas supply line
- Pressure is less than 70 psi or greater than 90 psi
  - Verify taps are dispensing properly, if ok then continue
  - Adjust regulator inside of the system, consult factory at 269-934-1130
- System continues to cycle while not being used or is outside the on/off times (should be approximately 100 seconds, ±10 seconds)
  - Verify all items from issue #2 above
  - Check for leaks along all the gas line connections using soapy water, repair any leaks
- System is very loud or vibrates excessively
  - Make sure cover screws are secured
  - Verify compressor wire ties are removed
  - Verify the system is not contacting another surface

- 1a** Unpack the Gas Generator system and lay it down carefully on the back side (instrument cluster is facing up). Remove the wire ties holding the compressor in place by cutting the ties from the bottom of the system and removing.

#### DO

- Ensure incoming line voltage is above 110 VAC
- Ensure room temperature is below 40°C (104°F)
- Inspect product for damage
- Ensure bottom and sides of system are clear 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 wire ties installed

- 1b** If installing into a system already using nitrogen bottles, go to step 2, if not go to step 3b



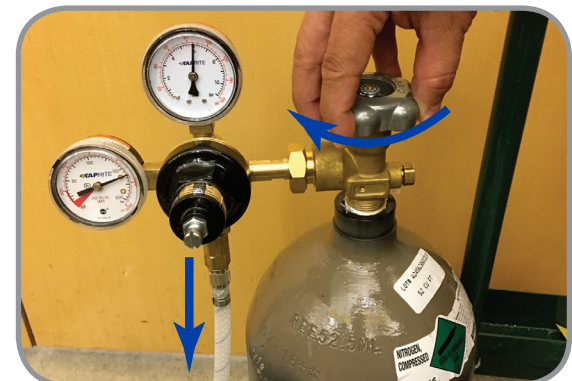
- 5** Install the power cord to the power outlet near the system. Connect the 90 degree end to the generator.

#### DO

- Ensure the power switch on the compressor is off (O) before connecting power
- Ensure the power cord 90 degree connection on the generator is pointing down

#### DON'T

- Turn on the system until all connections are made
- Cut or excessively bend the cord
- Use an extension cord smaller than 14AWG



- 2** Turn off valve on nitrogen bottle and unscrew the gas supply line from the regulator. Install the new male fitting into the bottle regulator output using Teflon tape on the threads and tighten to secure.

#### DO

- Ensure the bottle valve is closed fully and pressure is released from hose before removing
- Make sure the Teflon tape is only applied to the fitting threads
- Check for leaks on the regulator using soapy water

#### DON'T

- Remove the hose without closing the bottle valve or ensuring the pressure is released from the hose
- Allow Teflon tape to get into the gas stream



- 6** Push system into final location and using one of the four cover screws, install the Mounting "L" bracket to secure the system to a mounting surface.

#### DO

- Loosen one of the four cover screws and install one side of the L bracket, retighten the cover screw to secure the L bracket
- Mark where the bracket slot will locate on the mating surface
- Using method appropriate (not provided) for the surface being mounted to, secure the other side of the L bracket

#### DON'T

- Over torque the mounting screws
- Forget to retighten the cover screw
- Pinch, kink or excessively bend the gas supply line or power cord



- 3a** Make sure the pressure is removed from the gas line and cut the fitting off the line.

#### 3b

- Install female fitting on the gas supply line and secure using hose clamp.

#### DO

- Place the hose clamp on the hose first and then fully seat the hose barb in the gas supply line
- Crimp the hose clamp and ensure fully seated and sealed, check for leaks with soapy water

#### DON'T

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



- 7** Turn on the system and allow to fully pressurize, this could take 5 to 15 minutes depending on the installation.

#### DO

- Ensure the on (I) indicator switch is illuminated green to verify the generator has power
- Listen for system to turn on for approximately 100 seconds and off again for 100 seconds over multiple cycles until the pressure gauge reading is approximately 80 psi (in green zone)

#### DON'T

- Turn system on and off during startup
- Open one or both taps during generator charging cycle (first 5 to 15 minutes)



- 4** Securely connect the gas supply line (with female fitting) into the male fitting on the back of the generator.

#### DO

- Securely fasten flexible hose to system, pulling down to ensure it is seated
- Check for leaks with soapy water

#### DON'T

- Allow kinks in the flexible hose



- 8** Run the system checks.

- Verify pressure gauge on the front of the system shows in the green zone (75 psi to 85 psi)
- Verify green power switch is illuminated
- Verify compressor on and off time using stopwatch (should be approximately 100 seconds ±10 seconds)
- Verify gas supply line and power cord are securely installed
- To verify no leaks in the system. Let the system sit for at least 30 minutes without using the dispenser. During this time verify generator pressure remains constant and the compressor does not run.