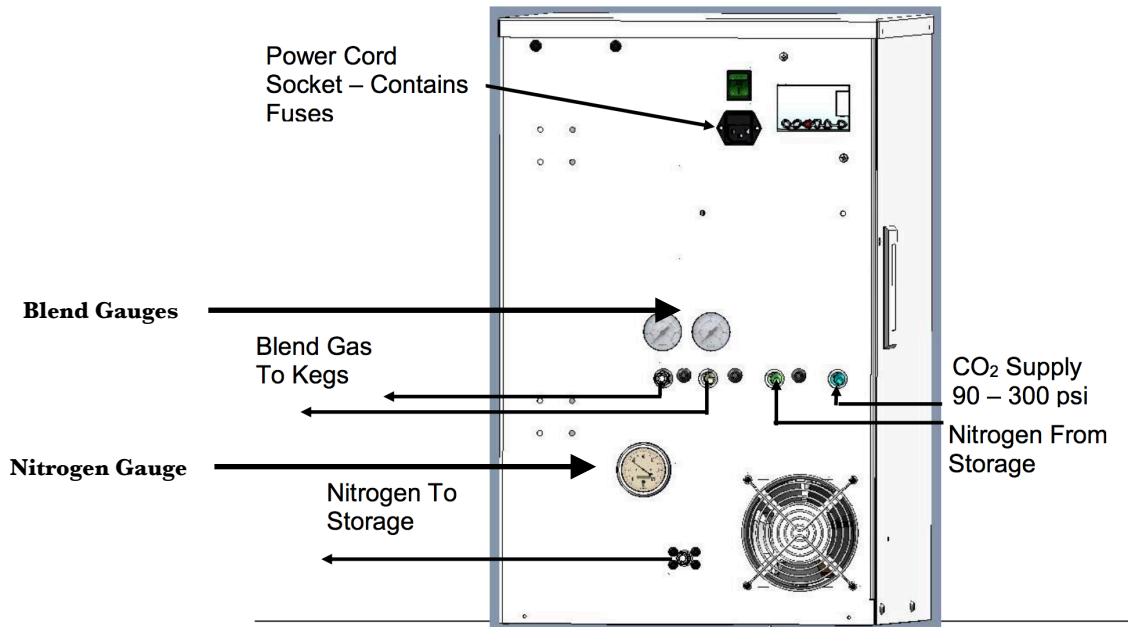


TROUBLESHOOTING GUIDE

Nitro-Draught

FIZZ DISPENSE

800-253-6610
REV 110917



Check Your Nitro-Draught Daily!

Gauges:

Check Nitrogen Tank Pressure Gauge. The Nitrogen gauge should be approx 100 psi for a Nitro-Draught 1200 & Pro and approx 144 psig for a Nitro-Draught Max. This is the gauge that reads 0 to 300. Normal operating pressure should be between 0 & 144.

Check the Blend Pressure Gauges. These are the gauge that reads 0 to 60. Normal operating pressure should be between 15-45. Call immediately if pressures are outside of this range.

Check CO₂ Tank Pressure. Carbon Dioxide should be delivered to the Nitro-Draught at a minimum 90 psig

Troubleshooting:

Is the unit on and have power? If the PLC is lit and the display is visible, the unit has power. If not, verify that the unit is plugged into a live outlet.

Are the gauges within their normal operating range?. See previous list

Where is the ball located in the visual leak indicator?. The VLI is a small flow meter that allows you to “see” gas flow. If the ball is at the bottom, no gas is flowing to the blender. Check that the ball valves on the storage tank are open. Check tank pressure and check backup pressure. If the ball valve is above its zero position, turn off blend 1 and blend 2. If this causes the ball to fall, open blend 1 and then blend 2 to see which side is leaking gas.

Preventative Maintenance: (Daily)

Check the unit is in Economy mode

Check tank and blend pressure readings

Verify that the VLI ball is in the zero position

Check CO₂ tank and pressures

Check backup (high pressure) tank pressure and volume

- HP tanks must be secured to wall

Visual Leak Monitor

The Monitor is installed in the nitrogen (N₂) "From Storage" line to provide you with a visual check of the N₂ flowing from your Nitro-Draught system. If the black ball is floating, N₂ is flowing to your draught beer or wine dispense system. If the ball is floating and you are NOT pouring beer or wine, there is a leak!

HINT - Check the Monitor when you are not dispensing beverages. First thing in the morning is usually a good time.

INSTRUCTIONS FOR SERVICE AGENT
If you want to troubleshoot where the leak is, try closing (one at a time) the shutoff valves to the blend gases, Nitro-Preserver wine system or other use points. If the ball stops floating or drops some, there is a leak in the line you just closed. Make a note of it, then reopen the valve and try the other lines. Contact your gas supplier or beverage supplier for help fixing the leaks.



Draught Beer Basic Troubleshooting with Nitro-Draught®

Foaming:

- A properly sized foam cap (½" to 1") is vital to beer integrity and maintaining carbonation.
- Excessive foam may be caused by the following:
 - Inadequate pressure. A draft system must have sufficient pressure to transfer beer from keg to faucet. Insufficient pressure can cause beer to outgas inline.
 - Temperature difference of 1 degree between keg storage and dispense.
 - Frozen/Frosted glassware.

Flat:

- Caused by:
 - Incorrect gas blend
 - The use of air
 - glassware that is not beer clean
 - dirty draft lines and/or equipment

Foam Cap Retention:

- Verify that glassware is beer clean.
- Not all beers are capable of extended foam cap retention. It is a function of beer ingredients and the brewing process.

Draft Flow Rate:

- Draft beer should pour at approx 2 ounces per second. Flow rates below this rate can cause beer to flow unevenly. Uneven flow will cause beer to tumble and outgas from the agitation. Keg regulator pressures should be set accordingly.
- Flow should be adjusted to glassware. Pitchers may be dispensed at 3 ounces per second

Nitro-Draught® Basics:

- Five gauges will determine proper draught operations:
 - CO₂ pressure. CO₂ pressure to Nitro-Draught must be 90-180 psig
 - Nitrogen storage pressure. One nitrogen pressure gauge is located on the face of the Nitro-Draught. Storage pressure normal operating range is 50-100 psig. System enters economy mode at approx 100. Storage pressure must be 10+psig above blend regulators for proper operation.
 - Outbound custom blend gas pressures (2 gauges). Blend 1 & Blend 2 are custom set depending on the installers configuration. Typically blend regulators are set to 10 psig above highest keg regulator. Blend regulators may be used as keg regulators and setting determined by draft flow rate.
 - Nitro-Draughts equipped with a Visual Leak Indicator have a step by step troubleshooting guide that will help diagnosis leaks.
 - Leaks can be found using a spray bottle containing warm water and dish soap. Solution should be applied to all tubing connections, regulators, fittings and keg couplers.

