

## Pneumatic $\mu$ -Nitro (Micro Nitro) Quick Setup Instructions

### Quick Start Up Instructions

Please read all instructions carefully before installing the system in your process.

This system works with high pressures and appropriate care must be taken to avoid injury.

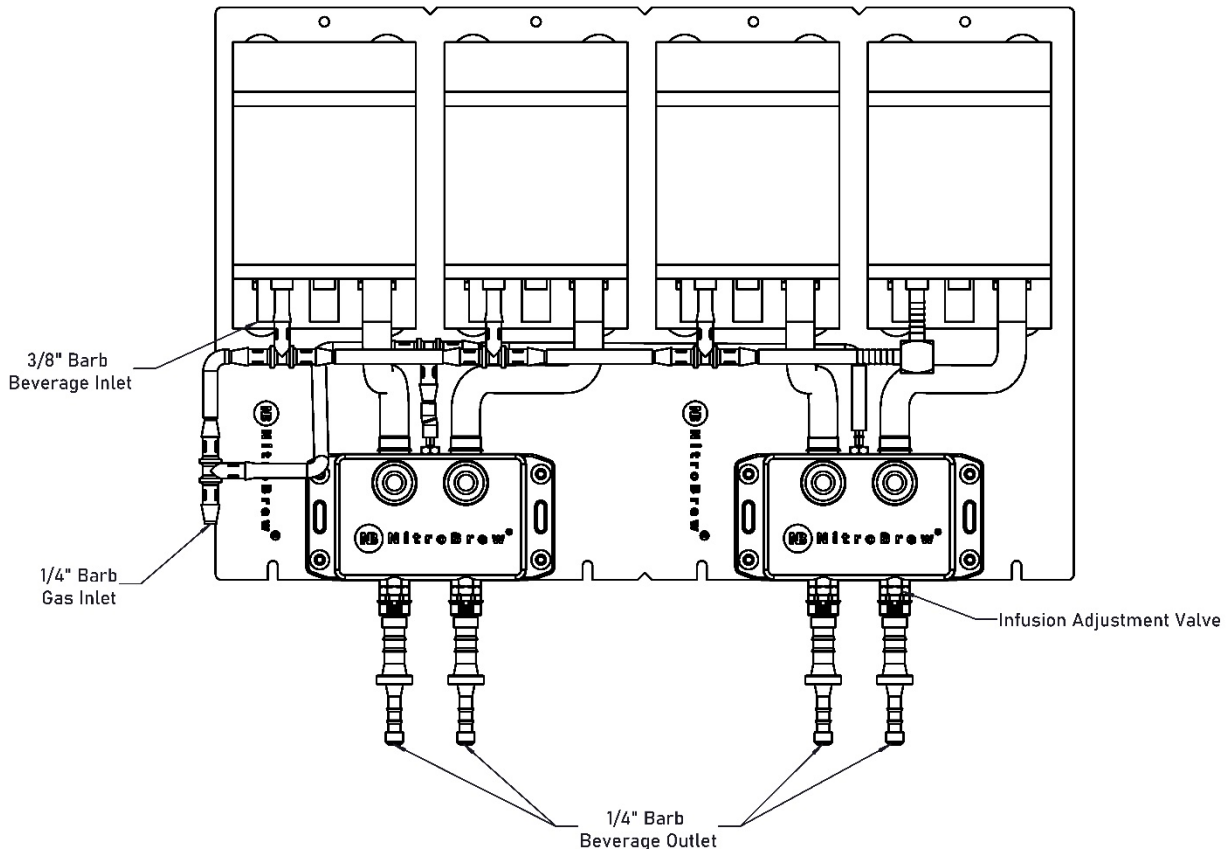


Fig. 1. NitroBrew Pneumatic  $\mu$ -Nitro, Four Beverage System.

- Please secure all high-pressure hose connections with appropriate hose clamps to avoid injury.
- Please shut off gas to turn off all pumps before working on the system.
- Please relieve all pressure in the system before disconnecting any tubing.

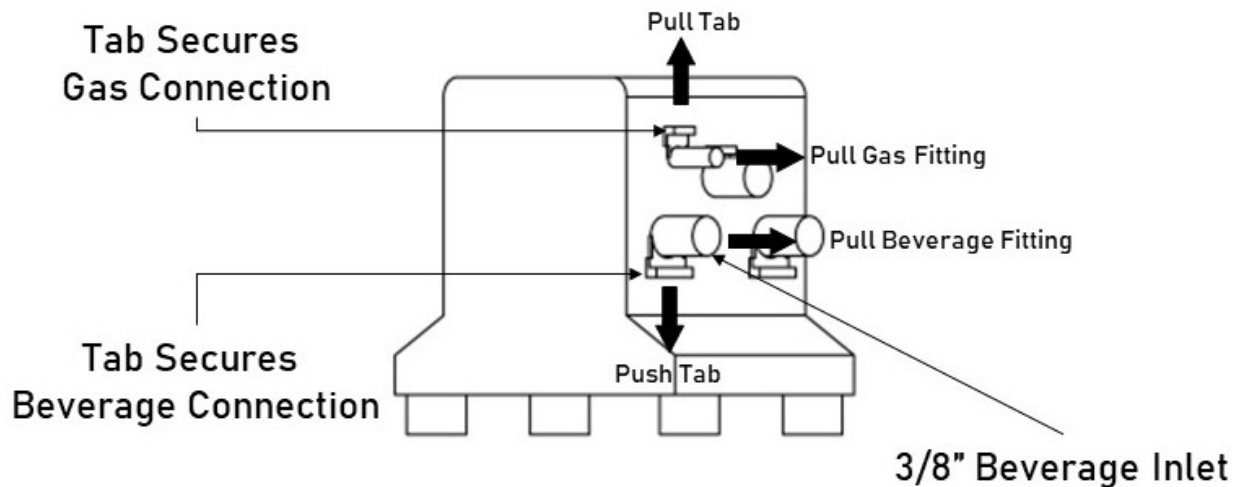


Fig. 2. Beverage Inlet Connection and secure tabs.

Connecting to beverage supply:

- Push the black secure tab all the way down and pull the hose barb out of the pump housing port.
- Connect beverage tubing to the barb.
- Insert the hose barb in to the pump housing port and push the black secure tab all the way up till it clicks.
- Beverage can be supplied at a **maximum** pressure of **30 psig**.

Connecting to beverage outlet:

- Connect beverage tubing to the 1/4" SS hose barb provided.
- Secure connection with a hose clamp.

Connecting to gas supply:

- Connect gas tubing to the 1/4" plastic hose barb provided.
- Gas must be supplied to the system at **60 psig, regulated pressure**.
- Secure connection with a hose clamp.

Disconnecting a pump:

Please follow the instructions in this section if you do not intend to use all pumps connecting in series (Ex: Fig.2. above has four pumps connected in series. Follow the instructions if you do not wish to use all four pumps.)

- Push the red secure tab all the way up.
- While holding the tab in that position, pull the brass gas connection out of the pump housing port.
- DO NOT disconnect tubing to this connection. The connection has a check valve in it and can be left in place, free-hanging on the tubing.
- Turn the infusion adjustment valve (corresponding to the pump) CLOCKWISE to SHUT-OFF gas flowing through there.

Adjusting amount of gas infusion (head) in a beverage:

- Turn the infusion adjustment valve COUNTER-CLOCKWISE to INCREASE the amount of gas flowing into the beverage.

Mounting the NitroBrew Pneumatic  $\mu$ -Nitro:

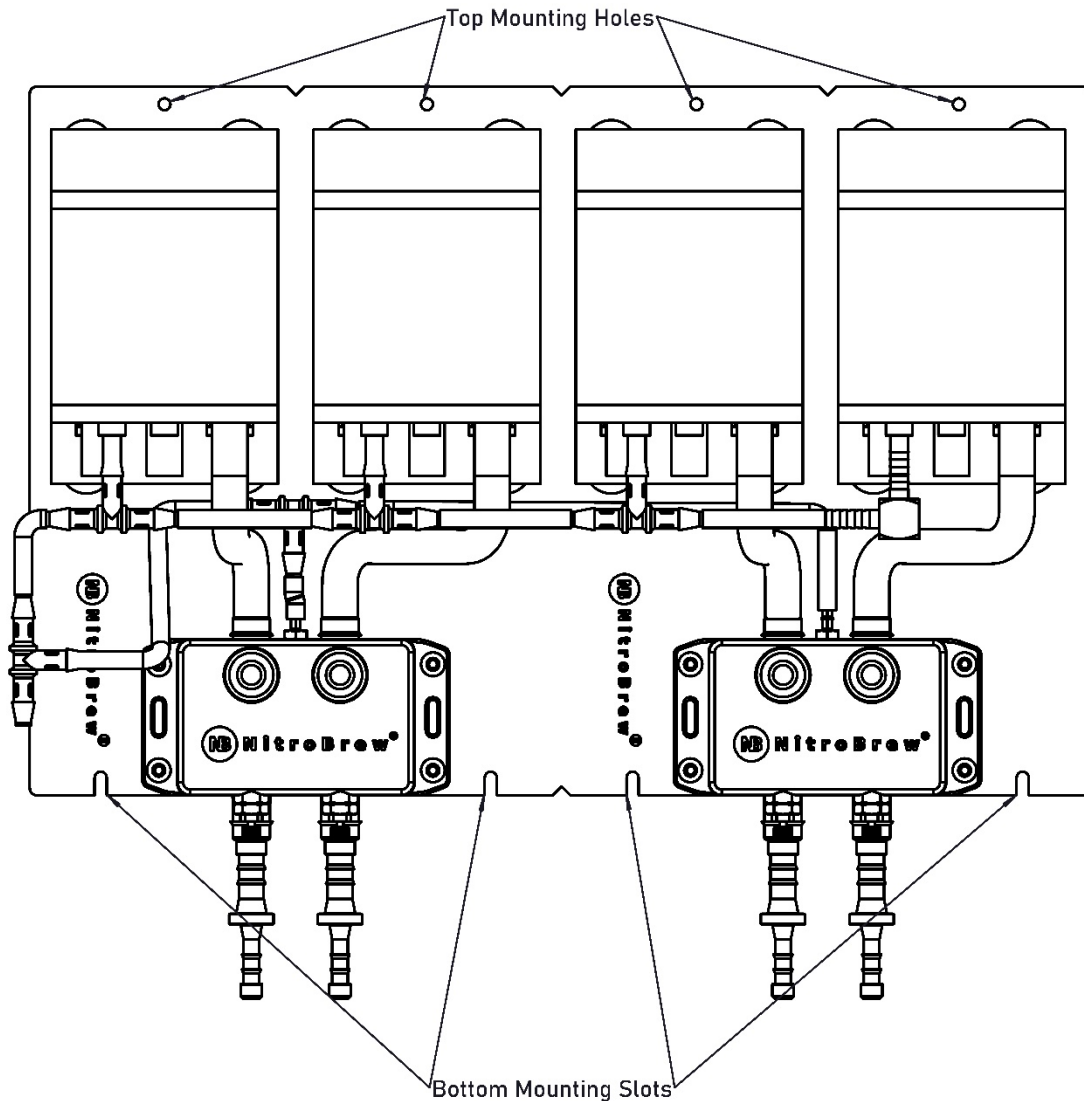


Fig.3. Mounting Hole Locations

- Determine the mounting location for the Pneumatic  $\mu$ -Nitro module.
- Mark the locations for the "Bottom Mounting Slots" and install the mounting screws.
- Rest the module on the mounting screws for the bottom slots.
- Install the mounting screws for the "Top Mounting Holes".
- Secure the bottom mounting screws to complete the mounting process.



## Operating Conditions:

Temperature (°F)		Pressure (psig.)		Beverage In Connections	Beverage Out Connections		Gas Connection
Operating	Max.	Operating	Max.		Option-1	Option-2	
29-40	70	35-60	60	3/8" Barb	1/4" Barb	1/2" Barb	1/4" Barb

\*The safety and suitability of this product has not been validated when used with dairy ingredients

## Cleaning Instructions:

Cleaner/sanitizer formulation: To 1 gal (3.8L) of clean potable water, add 1.25 oz (36 mL) of Liquinox cleaning detergent. stir and then add 1.25 oz (36 mL) of household/laundry bleach (5-10% w/v sodium hypochlorite). Stir well to mix. Use this as the cleaner/sanitizer for all NitroBrew equipment.

1. Rinse the system by running at least 1L (1qt) or clean potable water.
2. Connect the cleaning solution in place of beverage supply. Dispense 1/2 gal (1.5L) of cleaning solution through the tap into a waste container. Let the system stay in contact with the cleaner/sanitizer solution for 30 minutes and dispense the remainder of the solution. Discard all collected spent cleaner/sanitizer.
3. Rinse the system by dispensing 2L (2qt) of tap/drinking water before dispensing consumable beverages.

## Do's & Don'ts:

DO NOT leave the system running without any liquid or gas flow connected. The life of the motor can go down significantly if left powered without beverage hooked up.

When not in use, you can just leave water in a gallon jug or any container and keep the beverage in line in water. Or turn the compressor off when not in use.

We do NOT recommend the system for hot beverages at this time.  
NitroBrew® is a product of QuantiPerm.