



AC Beverage (800)925-3818 The Single Source for Quality Draught Equipment, Superior System Installation and Exceptional Draft Services

AC Beverage offers a less expensive, more efficient and reliable alternative to high pressure nitrogen gas cylinders.

# N<sub>2</sub>ITROGENATOR EZ

**ON-SITE NITROGEN/MIXED GAS SYSTEM...** an excellent way to enhance the quality of your beer and increase the profitability in your bar operation.



The brewery takes great care to brew, store and distribute kegs of draught beer to your establishment...The AC Nitrogenator was designed to dispense brewery fresh draught beer at all times!

## Save Money & Gain The Following Benefits:

- Correct pouring problems due to flat or over-carbonated beer.
- Extend keg life by maintaining proper gas level balance.
- Enable custom gas blends for each dispensed product.
- Eliminate running out of high-pressure cylinders.
- Maintain draft beer system pressure at all times
- Provide high purity Nitrogen of 99.7% or greater regardless of demand.

The AC Nitrogenator is the first on-site gas system developed by a beverage service company. AC Beverage provides service to thousands of customers and understands the individual needs of each client. Realizing these needs, the AC Nitrogenator is engineered as a component system, allowing customers to purchase only the equipment required and then build upon the system as demands change. The AC Nitrogenator systems are comprised of the generator cabinet with a separation membrane fed by a beverage service air compressor. Pure Nitrogen is stored in a 28-gallon tank that feeds an AC Nitro Blender. Blended gas is then piped to the draught beer system.

Allow AC Beverage to show you the difference!





## Technical Information – NITROGENATOR EZ<sup>®</sup>

**General Description:** The AC Nitrogenator EZ is a Nitrogen generating system that converts compressed air into Nitrogen utilizing state-of-the-art membrane technology. The PRISM<sup>®</sup> Alpha Membrane is the heart of the system, which consists of a bundle of hollow fiber membranes. The compressed air enters the center core of the fibers and travels the length of the module. As air travels along the fiber, Oxygen, CO<sub>2</sub>, and water vapor molecules pass through the membrane wall faster than the Nitrogen molecules. This results in high purity dry Nitrogen stream exiting at a very low pressure.

**Installation:** The AC Nitrogenator EZ<sup>®</sup> should be located in an area where the ambient temperature is between 38 degrees F and 100° F (3° C and 30° C).

Installation of the AC Nitrogenator EZ<sup>®</sup> in an area where the temperature falls outside this range may affect the performance and/or the life of the system. The environment surrounding the AC Nitrogenator EZ<sup>®</sup> must be well ventilated.

- **Mounting-** The AC Nitrogenator EZ<sup>®</sup> can sit on a flat surface or be wall-mounted. If wall-mounted, a supporting member of a wall, such as a stud must be used to secure the unit. Drill mounting holes into the wall using the mounting template outlined on the packing box. The AC Nitrogenator NX<sup>®</sup> must be in the vertical position to maintain proper operation.

- **Prefiltration-** The AC Nitrogenator EZ<sup>®</sup> comes equipped with a .01 micron coalescing filter to remove dust, hydrocarbon vapors and water vapors. The filter element should be replaced every (6) months.

- **Connections-** Plug AC Nitrogenator EZ<sup>®</sup> into appropriate 120 VAC/60 Hz power receptacle and note that the red and green lights illuminate. These indicators allow for visual inspection that the power is on "Red" and that Nitrogen production "Green" is taking place.

- **Leak Test-** Turn nitrogen and both blender valves off. Observe N<sub>2</sub> pressure gauge, as it should rise to 100 psig. At this point, the "Green" N<sub>2</sub> production light should shut off. Monitor system for a minimum of 15 minutes to ensure that pressure remains at 100 psig and that the "Green" light remains off. Upon completion of leak test, turn on (3) valves and allow system to pressure up.

- **Operation-** The AC Nitrogenator EZ<sup>®</sup> will operate continuously as long as it receives power and compressed air. The air compressor should not cycle continuously during normal operation when the Green Production light is "ON". Once the N<sub>2</sub> storage pressure reaches 100 PSI air compressor will cycle "OFF" until N<sub>2</sub> pressure drops to 80 PSI.

- **Nitrogen Back-Up Tank-** An emergency back-up tank set to 100 psig should be connected to the system to allow for a Nitrogen source in the event of compressor failure or major leak in beer dispense plumbing. If Nitrogen pressure drops below 40 psig the back-up tank should be turned on to rebuild pressure to at least 90 psig. In the event of a compressor failure, the tank should remain on until compressor is repaired or replaced. The back-up tank is designed to assist the AC Nitrogenator EZ<sup>®</sup> in the event that demands for Nitrogen exceeds the output levels. Turning the back-up tank on to recharge system is an option during extreme volume situations.





## Principal Specifications – NITROGENATOR EZ®

	60% CO2 40% N2	25% CO2 75% N2
Five Hr. Surge (kegs) @ 30psi Applied Pressure	16	9
Optional: 2nd Storage Tank increases capacity to	21	12
Output 5.8 SCFH ~ 348 CFM (9,854 liters per minute) Monthly Keg Capacity	481	271
Nitrogen Gas Purity Minimum = 99.7%		

	DIMENSIONS			Wt	VOLTS	AMPS
	W	D	H		60 Hz	---
<b>Nitrogenator EZ</b>	14"	13"	38.5"	49 lbs.	115	5.0 max
<b>Storage Tank (Capacity 108 Liters=28 Gallons)</b>	14.9"	14.9"	47.3"	73 lbs.	---	---

