Self-Contained Nitrogen Generators for Nitro Iced Coffee

Nitrogen Generators with on-board compressors for low flow applications

Safety, Savings, and Convenience

Parker nitrogen generators completely eradicate the danger, inconvenience, and high costs of truck delivered nitrogen. The hassles of changing high pressure cylinders and the routine interruption of nitrogen supply is completely eliminated.

They offer long-term cost stability by eliminating vendor price increases, contract negotiations, long term commitments, and hazmat charges. Once installed, a continuous supply of high purity nitrogen is available within a few minutes of startup.

Boasting easy installation and start up, upon delivery, nitrogen generators are ready to operate.

Cold brewed coffee is nitrogenized. Nitrogen becomes infused into the coffee, much like a nitro beer.

Nitrogen, unlike CO_2, imparts a small bubble that creates an attractive cascade down the side of a glass. More importantly, the small size of the nitrogen bubble creates a smooth, creamy finish on your palate. Consumers even report that it is sweeter than conventional iced coffee. Imagine the reaction of your customers to a creamy slightly sweet coffee without the need for added cream or sugar!

Contact Information

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Product Features

- Package includes nitrogen generator, filters, controls, and an on-board compressor
- Floor mount on casters
- Automatically shuts down if there is no demand
- Stays in standby mode until more nitrogen is needed
- Environmentally friendly
- Compact - frees up floor space
- Eliminates unexpected shutdowns
- Hassle-free operation
- Safe and reliable
- UL & CE listed
- NSF listed
- CB Scheme, CSA, EMC and IEC certified

Parker

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Operation

The Parker Nitrogen Generator is designed to provide a constant supply of nitrogen gas, at a pre-selected purity, flow, and pressure. The system uses proven Pressure Swing Adsorption (PSA) technology with a Carbon Molecular Sieve (CMS) to separate N_2 from the atmosphere and deliver it at high purity.

Installation consists of simply connecting the plug to a standard outlet and connecting the nitrogen outlet to your coffee dispenser. The on board compressor means that there is no need to connect to a source of compressed air. Simply turn it on, and air is compressed and passed through a 0.01 micron filter rated at 99.99%. The air is then passed through the CMS separation bed which holds onto the oxygen, creating a stream of high purity nitrogen. Lastly, the stream of nitrogen is passed through a sterile grade filter rated at 99.99999+% at 0.01 micron and then sent to the coffee dispenser. The CMS bed is regenerated to remove the captured oxygen and the cycle repeats.

Technical Specifications

	Units	DN-6NA	DN-6WD	DN-6JA-100
Outlet Flow	SCFH (l/min)	6 (2.8)	6 (2.8)	6 (2.8)
Maximum Outlet Pressure	psig (barg)	85 (5.9)	85 (5.9)	85 (5.9)
Purity	%	>99.5% (<0.5% O2)		
Filtration	%	99.99999+% at 0.01 micron - sterile grade, FDA compliant		
Mechanical Connections				
Nitrogen Outlet	Nitrogen Out	CPC 1800 (1/4" hose barb valve inline coupling)		
Electrical Data				
Connection Type		IEC310	IEC310	IEC310
Supply Voltage Range *	V ac	120V 1 phase + PE 60Hz	230V 1 phase + PE 50/60Hz	100V 1 phase + PE 50/60Hz
Supply Voltage Fluctuation		±10%	±10%	±10%
Current	A	6	3	6
Fuse	A	10 ((T), 10A, 250v)	10 ((T), 5A, 250v)	10 ((T), 10A, 250v)
Environmental Data				
Temperature	°F (°C)	36-95 (2-35)		
Maximum Humidity		(80% MAX ≤ 31°C)		
IP Rating		IP20		
Pollution Degree		2		
Installation Category		II		
Altitude	Ft (m)	< 6562 (< 2000)		
Noise	dB(A)	<65		
Weight				
Shipping Weight (single unit)	Lbs (kgs)	171 (78)		
Product	Lbs (kgs)	107 (49)		
Dimensions				
	Inches (cm)	20 (50.8) L x 9.5 (24.1) W x 28.88 (73.4) H		