

# 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.

Nitrogen, unlike CO<sub>2</sub>, 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 report that it is even sweeter than conventional iced coffee.



## 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, NSF, & CE listed
- CB Scheme, CSA, EMC and IEC certified



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## 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		

## Testimonials

Battlegrounds Coffee is a small, community oriented coffee shop in Haverhill, MA. Here is what the owners have to say about the Parker DN-6 for nitro-brewed coffee.

Nitro coffee is the new hotness. It has a soft smooth mouthfeel. It's similar to sipping on a Guinness. Gives the sensation that you've added milk to it but you haven't. It looks fantastic poured and cascading in a glass.

Nitrogen gas enhances some of the complex coffee flavors that you find in our blends and roasts at Battlegrounds Coffee.

Prior to using the generator we were using pre-charged food grade nitrogen tanks. Tanks were the most difficult aspect of making and maintaining nitro coffee. The pressure gauges on the regulator were faulty indicating you had more nitrogen that was really left. As owners, we would get calls in the middle of the day saying "Hey, we are out of nitrogen!" For us it was a hassle getting those tanks refilled. We had to drive to the local welding shop. We change out the tank 3-4 times per week so you had to assure that was done right and that there were no leaks. It wasn't an efficient system and was becoming a hassle. The supplier was charging more than \$50 per tank for food grade nitrogen so my payback was very quick.

**The Parker DN-6 provides nitrogen without any interruption. It's always ready. Saved us at least four man hours per week. It is awesome!"**

We use nitrogen to push Kombucha too. Plug and play. It's always working and saves us a lot of time.

We also pour wine and we keep the wine bottle purged with nitrogen to keep it fresh. We are also looking at using it to pour our beer too."

-Sal DiFranco, Battlegrounds Coffee

**We were always fighting with the tanks to work properly to pour the perfect pour for a nitro cold brew.**

**Since we've had the nitrogen generator it has been easy breezy. With a generator you don't have to worry about it.**

You set and forget. We never have to tell customers "Sorry we aren't pouring today". The pour looks great, tastes even better."

-Dana, Battlegrounds Coffee

## 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<sub>2</sub> 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.