

# WineMaker Series™ Nitrogen Generators

Creates a continuous supply of high purity nitrogen from compressed air



Generating your own nitrogen eliminates the hassles of supplied cylinders, dewars or bulk nitrogen. A nitrogen generator dispels any concerns about lines icing up, running low, or running out of nitrogen. Costly downtime, tank rental fees, Haz Mat fees, delivery fuel surcharges, price increases, evaporation concerns, and multi-year lease agreements will all be eliminated. Producing your own nitrogen eliminates reliance on outside vendors, allowing your winery to be more self-sufficient. The WineMaker Series Nitrogen Generators typically have a 9-18 month payback, and an operating life of 15 years +.

## Application: Wine Bottling

A nitrogen blanket reduces the oxygen concentration to less than 0.5% and minimizes contact between oxygen and the wine surface during storage (both pre and post bottling). This will prevent the growth of bacteria and other microbes. Nitrogen can also be used to purge air from pipes and hoses prior to bottling and to ensure oxygen is not introduced during transport. Finally, sparging with nitrogen will remove any oxygen or CO<sub>2</sub> introduced during handling, helping to preserve wine integrity. A Parker nitrogen generator supplies a continuous stream of nitrogen to displace residual oxygen and fill the voids within the package, preserving taste and freshness and extending shelf life.



## Product Features

- Complete package with prefiltration, and receiving tank
- Digital Oxygen analyzer and Digital gas flow meter
- Plugs into 110 volt outlet
- Portable and expandable
- Lease to own options available
- Services wineries producing from 5,000 to 1 million+ cases
- Ensures minimal DO pickup

Installation is simple: pipe in compressed air and pipe out nitrogen. Just connect a standard compressed air line to the inlet of the generator, connect the outlet to your nitrogen line and the unit is ready for trouble free operation. The system is designed to operate 24 hours/day, 7 days/week.

There is no complicated operating procedure or labor intensive monitoring involved. Simply select the purity your process requires and set the flow and within minutes, high purity, dry nitrogen is available. Once the Parker Balston nitrogen generator is installed, the system requires very little maintenance.

# Principal Specifications and Ordering Information



## Standard Package Includes:

- Fully enclosed cabinet with casters
- High efficiency coalescing and sterile air filters
- Oxygen analyzer available
- PLC controls
- High oxygen alarms and dry contacts available
- Stand by mode
- Purity easily adjusted between 98%-99.9% with flow control valve
- Outlet pressure regulator
- 60 gal. vertical nitrogen storage tank

## Principal Specifications - Models DB5-W, DB-10-W, DB-15-W, DB-20-W

Model Number	DB-5-W	DB-10-W	DB-15-W	DB-20-W
Feed Air Pressure (minimum)	110 psig	110 psig	110 psig	110 psig
Air Quality	Clean air without contaminants	Clean air without contaminants	Clean air without contaminants	Clean air without contaminants
Temperature	80°F	80°F	80°F	80°F
Electrical Requirements	120 VAC /lph / 60Hz	120 VAC /lph / 60Hz	120 VAC /lph / 60Hz	120 VAC /lph / 60Hz
Maximum Pressure	140 PSIG	140 PSIG	140 PSIG	140 PSIG
Temperature Range	60°F - 105°F	60°F - 105°F		
Nitrogen Dewpoint	-58°F (-50°C)	-58°F (-50°C)	-58°F (-50°C)	-58°F (-50°C)
Commercially Sterile	Yes	Yes	Yes	Yes
Filtration Efficiency	99.99% @ 0.01u	99.99% @ 0.01u	99.99% @ 0.01u	99.99% @ 0.01u
Suspended Liquids	None	None	None	None
Ambient Pressure	Atmospheric	Atmospheric	Atmospheric	Atmospheric
Dimensions	28.5"L x 32.25"D x 78"H	28.5"L x 32.25"D x 78"H	28.5"L x 51.5"D x 78"H	28.5"L x 51.5"D x 78"H
Weight (with tank)	625 lbs	835 lbs	1245 lbs	1455 lbs
Inlet	1/2" NPT	1/2" NPT	1" NPT	1" NPT
Outlet	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT

## Ordering Information - Models DB5-W, DB-10-W, DB-15-W, DB-20-W

Dual Bed N2 Generator with O2 Analyzer	DBO-5-W	DBO-10-W	DBO-15-W	DBO-20-W
Dual Bed N2 Generator w/o O2 Analyzer	DB-5-W	DB-10-W	DB-15-W	DB-20-W
Maint. Kit for N2 Generator with O2 Analyzer	MKDBO-5	MKDBO-5	MKDBO-15	MKDBO-15
Maint. Kit for N2 Generator w/o O2 Analyzer	MKDB5	MKDB5	MKDB15	MKDB15
Oxygen Sensor	72695	72695	72695	72695

## Nitrogen Generator Flow Rates (SCFH)

% Nitrogen	DB-5-W	DB-10-W	DB-15-W	DB-20-W
99.9	365	730	1095	1460
99.5	512	1024	1536	2048
99	618	1235	1853	2470
98	770	1541	2311	3081

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