

Nitrogen Gas Generator
NF300



High purity N2 gas (99-99.99%) can be generated by PSA method.

Model
NF300
N2 Gas Purity
99-99.99%*
Generating Volume
Max. 10L/min

- All automatic easy operation with just pressing the switches.
- Space-saving design.
- High-purity (99-99.99%) and Dry (-60deg.C or less) N2 gas can be obtained.
- Equipped with high reliability compressor.
- Standard equipped casters can easy transport.
- Applications sample: LC/MS FTIR ICP/MS, column drying, concentration of extraction liquid, storage cabinet humidity control etc.

■ Specifications

Product code		301031
Model		NF300
Method		Adsorbent PSA Method
Performance	N2 Gas Purity	99 - 99.99% *
	N2 Gas Generating Volume	Max. 10NL/min
	N2 Gas Pressure	0.05 - 0.3MPa
	N2 Gas Dew Point	-60deg.C
	Surrounding Temp. / Humidity	Temp. 5 - 35deg.C / 10 - 80%RH (No Condensation)
Function	Flow Meter	0.5 - 10.0NL/min, Mass flow meter
	N2 Gas Circulation Port	O.D. 6mm, One-touch fitting
	N2 Gas Sampling Port	0.3MPa, 200mL/min (Rc 1/4)
	Maintenance Announcement	4000 Hrs. / 8000 Hrs.
	Input / Output	Operation output / Error output / Remote input
External Dimension		W400×D400×H850mm
Weight		73kg
Compressor Power Consumption		50Hz: 288W 60Hz: 336W
Power Source		AC100V (50/60Hz) 3.9/4.2A (15A)

* N2+Ar levels

* The amount of N2 gas may decrease due to surrounding temperature and humidity.

* To reach the specified N2 gas purity, it may take 2 to 3 hours from the start of operation to stabilization.

■ Simple operation



■ Pressure adjustment /Flow rate adjustment/Flow meter



■ Input output terminal

Operation output / Error output / Remote input

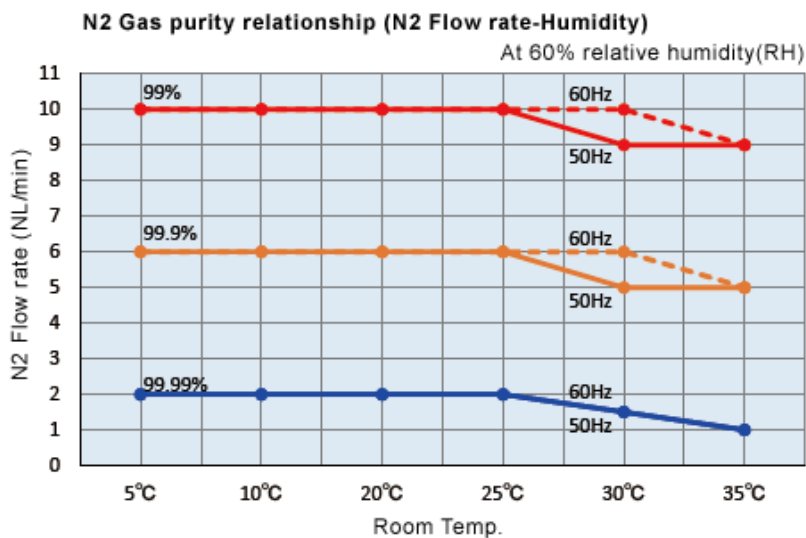


Input / output contact capacity
Output : AC125V 1A
Input : DC30V 20mA

■ N2 Gas Sampling Port (Rc 1/4)



■ Relationship between Flow rate and N2 Gas purity



■ Reaching time of the specified N2 Gas purity

N2 Gas	Reaching time	When stable
99% -> 99.9%	0.5 Hour	1.0 Hour
99.9% -> 99.99%	1.0 Hour	2.0 Hour
99% -> 99.99%	2.0 Hour	4.0 Hour
99% -> Stop -> 99%	-	0.5 Hour
99.9% -> Stop -> 99.9%	-	0.5 Hour
99.99% -> Stop -> 99.99%	-	1.0 Hour

■ Example of installing with Clean oven Model: DT300



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