Nitrogen Generator

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Pure air . Pure gas

Pneumatech is a global leader in the quality air business with more than 50 years in the nitrogen business. The Pneumatech brand is associated with quality and high level of innovation.

The Pneumatech nitrogen generator is a newly developed product to fit the increased demand for nitrogen supply at our customer's site. In order to safeguard the environment from the unnecessary transport of gas tubes and obtain a flexible supply of nitrogen, many companies switch to on-site gas generators. The most cost effective, long-term solution to provide nitrogen is installing an on-site gas generator.

PPNG 110-650

Design Standards	PPNG 110 - 650
Technology	PSA
Model Type	Welded Towers
Ambient Temp Min/Max	5-45 °C / 41-113°F
Pressure range	4-10 bar/60-150 PSI
Voltages	115-230V
Frequency	50-60 Hz
Required Inlet Dewpoint	3°C / 37°F
Outlet Pressure Dew Point	-50°C / -58°F
Controller	Purelogic
Usage	Continues
Canopy Covered Towers	No
Common applications	Laser Cutting, Food & Beverages, Petrochemical, Metal Industry, Power Generation

Important features & benefits
Easy to install – plug & play philosophy
Produces nitrogen when you need it - only requirement is that your factory has access to clean compressed air
Cost savings – service and installation cost is kept to a minimum
In-house design – smart and innovative design features developed by our own engineering team
Exact purity levels – you can easily way set the purity levels (95-99.999%) to fit your product needs

Options	PPNG 110 - 650
Inlet PDP sensor - protection against too high inlet air pressure dew point	•
Flow meter - indication for the outlet flow produced	√
Seaworthy packaging - overseas transport	•

√ Standard

• Optional

Technical data

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Type	Purity	Nitrogen flow		Air flow		Vessel size-generator		Dimensions					
								mm			in		
		Nm³/h*	cfm*	m³/h**	cfm**	l	gl	L	W	H	L	W	H
PPNG-110	99.5	188.0	110.7	594.0	349.6	1000.0	3785.0	1765.0	1135.0	2412.0	69.5	44.7	95.0
PPNG-150	99.5	254.0	149.5	817.0	480.8	1500.0	5677.5	1960.0	1188.0	2971.0	77.2	46.8	117.0
PPNG-250	99.5	427.0	251.3	1428.0	840.5	2000.0	7570.0	2471.0	1337.0	3105.0	97.3	52.6	122.2
PPNG-325	99.5	554.0	326.1	1836.0	1080.6	3000.0	11355.0	2970.0	1478.0	3285.0	116.9	58.2	129.3
PPNG-540	99.5	916.0	539.1	2880.0	1695.0	2000.0	7570.0	2471.0	2640.0	3105.0	97.3	103.9	122.2
PPNG-650	99.5	1119.0	658.6	3840.0	2260.1	3000.0	11355.0	2970.0	2918.0	3283.0	116.9	114.9	129.3

** To size the compressor, use 10% extra flow margin compared to the values mentioned in the air flow field.

*Reference conditions	Metric	Imperial
Ambient temperature	20°C	68°F
Unit inlet temperature	20°C	68°F
Unit working pressure	7.5 barg	109 psig
Unit outlet nitrogen purity	99.5%	99.5%
Compressed air inlet quality	ISO8573-1 class 1-4-1	ISO8573-1 class 1-4-1

Outputs (min/max)		
Maximum compressed air inlet temperature	45°C	113°F
Maximum ambient temperature	45°C	113°F
Minimum compressed air inlet temperature	5°C	41°F
Minimum ambient temperature	5°C	41°F
Minimum compressed air inlet pressure	4 barg	58 psig
Maximum compressed air inlet pressure	10 barg	145 psig

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