



SAVINGS



AUTONOMY



RELIABILITY



SAFETY



ECO-FRIENDLY

OmniN2 Nitrogen Generators

NOVAIR's Multi-Industry Membrane
Nitrogen Generator Line

NOVAIR USA's new US-made OmniN2 nitrogen generators are the perfect match of fit, form, and function. Brilliantly designed for ease of use, these generators are slim, quiet, and reliable producers of large flows of nitrogen. Produce maintenance-free, high-purity nitrogen in-house, 24x7, from the company with the industry's highest quality standards. It's the perfect alternative to cylinder delivery.

KEY FEATURES

- Nitrogen purity up to or above 99.5% (0.5% residual oxygen)
- Flow rate range: 0.32 to 5.17 SCFM (9.0 to 146.4 LPM)
- Adjustable delivery pressure regulator
- Residual oxygen purity analyzer built-in
- Easy to read and operate digital nitrogen flow rate display
- Easy to setup and maintain, quiet, fully-automatic operation

APPLICATIONS

NOVAIR's Membrane Nitrogen Generator line is designed for:

- Life Sciences
- Academic and Research Facilities
- Biotech
- Pharmaceuticals
- Food & Beverage Packaging
- Many More

NOVAIR QUALITY

- Made in the USA
- Professional service with start-up, commissioning, maintenance, training and superior technical support
- Proven customer satisfaction



OmniN2 Nitrogen Generators

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TECHNICAL SPECIFICATIONS

Installation Requirements: Well ventilated and protected environment.²

MODELS		OmniN2-1			OmniN2-2			OmniN2-3		
NITROGEN CONCENTRATION ¹		95%	98%	99.5%	95%	98%	99.5%	95%	98%	99.5%
N ₂ FLOW ^A @100 psi (6.9 bar)	SCFM	1.65	0.81	0.32	2.40	1.21	0.52	4.08	2.06	0.92
	LPM	46.6	22.8	9.0	67.9	34.1	14.8	100.9	51.0	22.8
	m ³ /hr	2.80	1.37	0.54	4.08	2.05	0.89	6.94	3.50	1.57
FEED AIR CONSUMPTION @100 psi (6.9 bar)	SCFM	4.27	3.30	2.65	6.26	4.81	4.01	10.62	8.30	6.89
	LPM	120.9	93.5	75.2	177.2	136.2	113.5	262.5	205.1	170.7
	m ³ /hr	7.26	5.62	4.51	10.64	8.18	6.82	18.06	14.11	11.71
N ₂ FLOW @110 psi (7.6 bar)	SCFM	1.81	0.89	0.35	2.64	1.32	0.57	4.44	2.25	1.00
	LPM	51.2	25.1	9.8	74.7	37.5	16.3	111.0	56.2	25.1
	m ³ /hr	3.07	1.51	0.59	4.49	2.25	0.98	7.55	3.82	1.71
FEED AIR CONSUMPTION @110 psi (7.6 bar)	SCFM	4.70	3.64	2.92	6.87	5.29	4.41	11.56	8.94	7.52
	LPM	133.1	102.9	82.7	194.5	149.8	124.9	288.9	224.8	187.8
	m ³ /hr	7.99	6.18	4.97	11.68	9.00	7.50	19.65	15.20	12.78
N ₂ FLOW @145 psi (10 bar)	SCFM	2.38	1.17	0.46	3.48	1.75	0.75	5.17	2.62	1.17
	LPM	67.4	33.1	13.0	98.6	49.5	21.3	146.4	74.1	33.1
	m ³ /hr	4.05	1.99	0.78	5.92	2.97	1.28	8.79	4.45	1.99
FEED AIR CONSUMPTION @145 psi (10 bar)	SCFM	6.18	4.79	3.85	9.06	7.18	5.88	13.47	10.47	8.88
	LPM	174.9	135.7	109.1	256.5	203.2	166.5	381.4	296.4	251.5
	m ³ /hr	10.50	8.15	6.55	15.40	12.20	10.00	22.90	17.80	15.10
WEIGHT	lbs/KG	92.0 / 41.7			95.7 / 43.4			96.4 / 43.7		
DEW POINT ^B	°F/°C	-40° / -40°								
SOUND LEVEL	dB(A)	<65								

(A) Flow rates at standard atmospheric conditions (70°F/20°C, 14.7 psi/1.013 bar and 60% relative humidity)

(B) Product dew point at atmospheric pressure

FEED AIR REQUIREMENTS

Min/Max Air Inlet Pressure: 58 to 145 psi / 4 to 10 bar

Max Air Inlet Temperature: +90°F / +32.2°C

Must meet ISO 8573.1 Class 1.4.1 Minimum

CONNECTIONS

Feed Air Inlet / Nitrogen Outlet: 1/4" NPT

POWER REQUIREMENTS

Power Supply: 110-240 VAC / 50-60 Hz / 1 phase

Power Consumption Max: 100 W

¹ SCFM = Standard Cubic Feet per Minute, LPM = Standard Liters per Minute, m³/hr = Normal Meters Cubed per Hour, psi = Pounds per Square Inch

² Product requires external source of compressed air.

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HEIGHT: 51.5 IN
(130.8 CM)



LENGTH: 16.75 IN
(42.5 CM)

WIDTH: 13.25 IN
(33.7 CM)



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