



ECOGEN₂ nitrogen generators **N₂**

95% to 99.9% purity

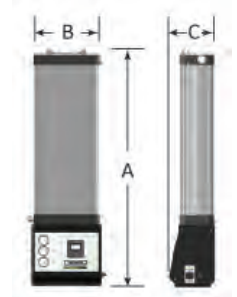
Utilizing the proven and technologically advanced nano nitrogen generation system in a simple package provides the perfect economical "plug & play" nitrogen supply.

generator model	generator price \$USD	rated outlet flow ⁽¹⁾	nitrogen purity at the outlet (max oxygen content)							dimensions (inches)			approx. weight lbs
			99.9% (0.10%)	99.5% (0.50%)	99% (1%)	98% (2%)	97% (3%)	96% (4%)	95% (5%)	A	B	C	
ECOGEN2 090	CF	scfh	49.4	77.7	95.4	130.7	162.5	187.2	208.4	42	17	14	119
ECOGEN2 110	CF	scfh	84.8	120.1	151.9	204.8	254.3	296.6	332.0	54	17	14	172
ECOGEN2 130	CF	scfh	141.3	197.8	250.7	339.0	423.8	490.9	547.4	79	17	14	262

specifications	
design operating pressure range	87 to 145 psig
design operating temperature range	41 to 122°F
maximum inlet particulate	0.1 micron
maximum inlet oil content	0.01 ppm ⁽³⁾
required inlet dew point	38°F PDP ⁽²⁾
supply voltage	100 - 240 VAC (50 or 60Hz)

pressure correction factors ⁽⁴⁾	
operating pressure (psig)	90 100 115 130 145
correction factor	0.90 1.00 1.10 1.20 1.30

temperature correction factors ⁽⁴⁾	
inlet air temperature (°F)	41 50 59 68 77 86 95 104 113 122
correction factor	0.80 0.90 0.94 1.00 1.00 0.98 0.95 0.90 0.85 0.72



ECOGEN2 090 to ECOGEN2 130

(1) at 100 psig inlet pressure and 68 - 77°F inlet temperature. For outlet flow at all other conditions refer to the correction factors above or contact support@n-psi.com
 (2) requires an upstream dryer. Contact nano for assistance selecting the optimum dryer for your application
 (3) including oil vapor
 (4) to be used as a rough guide only. All applications should be confirmed by nano. Contact us for sizing assistance

N₂ GEN₂ i 4.0 nitrogen generators

95% to 98% purity



The NEW technologically advanced nano GEN₂ i4.0 nitrogen generator uses an extruded aluminum modular design and operates on the pressure swing adsorption (PSA) principle to produce a continuous uninterrupted stream of nitrogen gas from clean dry compressed air.

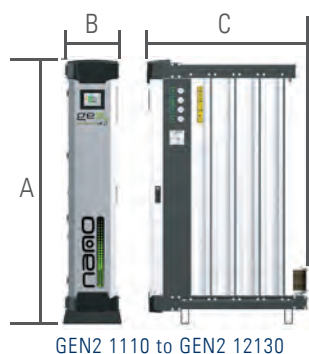
generator model	generator price \$USD	rated outlet flow ⁽¹⁾	nitrogen purity at the outlet (maximum oxygen content)				dimensions (inches)			approx. weight lbs
			98% (2%)	97% (3%)	96% (4%)	95% (5%)	A	B	C	
GEN2 i4.0-1110	CF	scfh	258	293	335	364	48.15	15.7	23.82	214
GEN2 i4.0-2110	CF	scfh	516	586	671	727	48.15	15.7	30.43	394
GEN2 i4.0-3110	CF	scfh	773	879	1006	1091	48.15	15.7	37.05	575
GEN2 i4.0-2130	CF	scfh	932	1070	1218	1324	71.77	15.7	30.43	548
GEN2 i4.0-3130	CF	scfh	1398	1605	1828	1986	71.77	15.7	37.05	729
GEN2 i4.0-4130	CF	scfh	1865	2140	2437	2649	71.77	15.7	43.66	967
GEN2 i4.0-6130	CF	scfh	2797	3210	3655	3973	71.77	15.7	56.89	1373
GEN2 i4.0-8130	CF	scfh	3729	4280	4873	5297	71.77	15.7	70.12	1739
GEN2 i4.0-10130	CF	scfh	4289	4922	5604	6092	71.77	15.7	83.34	1946
GEN2 i4.0-12130	CF	scfh	4979	5714	6506	7072	71.77	15.7	96.57	2447

specifications	standard	optional
design operating pressure range	87 to 174 psig	232 psig (consult factory) ⁽²⁾
design operating temperature range	41 to 122°F	-
recommended operating temperature range	41 to 86°F	-
maximum inlet particulate	0.1 micron	-
maximum inlet dew point	+38°F PDP ⁽³⁾	-
recommended inlet dew point	-40°F PDP	-
maximum inlet oil content	0.01 ppm ⁽⁴⁾	-
supply voltage	100 - 240 VAC (50 or 60Hz)	-

pressure correction factors ⁽⁵⁾				
operating pressure psig	90	100	115	130 - 174
operating pressure barg	6	7	8	9 - 12
correction factor	0.90	1.00	1.10	1.20

temperature correction factors ⁽⁵⁾										
inlet temperature °F	41	50	59	68	77	86	95	104	113	122
inlet temperature °C	5	10	15	20	25	30	35	40	45	50
correction factor	0.8	0.9	0.94	1.00	1.00	0.98	0.95	0.90	0.85	0.72

- (1) at 100 psig inlet pressure and 68 - 77°F inlet temperature. For outlet flow at all other conditions, refer to the correction factors above or contact support@n-psi.com
- (2) 232 psig option available in USA. 210 psig option available in Canada. See page 66
- (3) for low purity applications only
- (4) including oil vapor
- (5) to be used as a rough guide only. All applications should be confirmed by nano. Contact us for sizing assistance





GEN₂ plus nitrogen generators **N₂**

99% to 99.999% purity

For higher purity applications the GEN₂ plus range of nitrogen generators add an integrated regenerative dryer cartridge which eliminates the need for a separate desiccant dryer. This innovative feature significantly reduces purge loss and pressure drop while allowing for higher outlet purity levels.

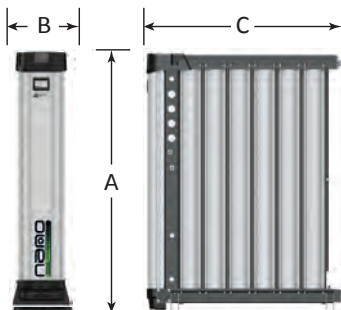
generator model	generator price \$USD	rated outlet flow ⁽¹⁾	nitrogen purity at the outlet (maximum oxygen content)								dimensions (inches)			approx. weight lbs
			99.999% (10 ppm)	99.995% (50 ppm)	99.99% (100 ppm)	99.975% (250 ppm)	99.95% (500 ppm)	99.9% (0.10%)	99.5% (0.50%)	99% (1%)	A	B	C	
GEN2 1110-PLUS	CF	scfh	28	54	65	85	102	117	170	201	47.8	15.7	23.82	375
GEN2 2110-PLUS	CF	scfh	55	108	129	171	204	233	339	403	47.8	15.7	30.43	437
GEN2 3110-PLUS	CF	scfh	83	162	194	256	307	350	509	604	47.8	15.7	37.05	560
GEN2 2130-PLUS	CF	scfh	143	213	254	308	353	394	563	677	71.77	15.7	30.43	589
GEN2 3130-PLUS	CF	scfh	215	319	381	462	529	591	844	1015	71.77	15.7	37.05	780
GEN2 4130-PLUS	CF	scfh	286	426	509	617	706	788	1125	1354	71.77	15.7	43.66	872
GEN2 6130-PLUS	CF	scfh	429	639	763	925	1058	1182	1688	2031	71.77	15.7	56.89	1356
GEN2 8130-PLUS	CF	scfh	572	852	1017	1233	1411	1576	2250	2708	71.77	15.7	70.12	1739
GEN2 10130-PLUS	CF	scfh	658	980	1170	1418	1623	1813	2588	3114	71.77	15.7	83.34	2123
GEN2 12130-PLUS	CF	scfh	764	1137	1358	1664	1884	2105	3004	3615	71.77	15.7	96.57	2507

specifications	standard	optional
design operating pressure range	87 to 145 psig	232 psig (consult factory) ⁽²⁾
design operating temperature range	41 to 122°F	-
maximum inlet particulate	0.1 micron	-
maximum inlet dew point	80°F PDP	-
maximum inlet oil content	0.01 ppm ⁽³⁾	-
supply voltage	100 - 240 VAC (50 or 60Hz)	-

pressure correction factors ⁽⁴⁾					
operating pressure psig	90	100	115	130	145
operating pressure barg	6	7	8	9	10
correction factor	0.90	1.00	1.10	1.20	1.20

temperature correction factors ⁽⁴⁾										
inlet temperature °F	41	50	59	68	77	86	95	104	113	122
inlet temperature °C	5	10	15	20	25	30	35	40	45	50
correction factor	0.8	0.9	0.94	1.00	1.00	0.98	0.95	0.90	0.85	0.72

- (1) at 100 psig inlet pressure and 68 to 77°F inlet temperature. For outlet flow at all other conditions, refer to the correction factors above or contact support@n-psi.com
- (2) 232 psig available as option. see page 66
- (3) including oil vapor
- (4) to be used as a rough guide only. All applications should be confirmed by nano. Contact us for sizing assistance



GEN2 1110-PLUS to GEN2 12130-PLUS

NMG nitrogen generators

95% to 99.9% purity



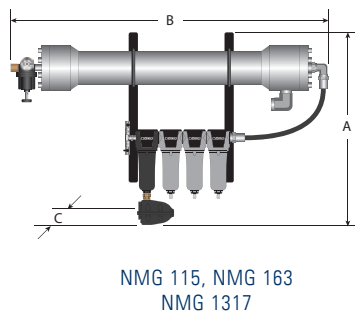
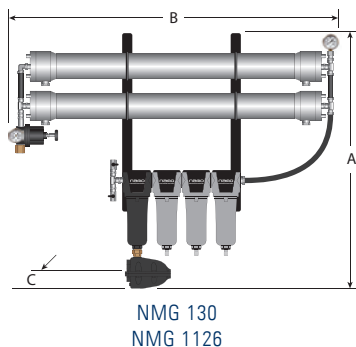
nano NMG nitrogen generators use a simple and proven membrane technology to separate nitrogen from the air simply and cost effectively with no moving parts or electricity. Why pay the gas company to deliver nitrogen when you can generate an endless supply of clean, dry nitrogen on site?

generator model	inlet air pressure psig	air inlet requirement and nitrogen flow by model flow scfh (feed scfm)							dimensions (inches)			approx. weight lbs
		99.9% (0.1%)	99.5% (0.5%)	99% (1%)	98% (2%)	97% (3%)	96% (4%)	95% (5%)	A	B	C	
NMG 115	100	8 (1)	15 (1)	23 (1)	29 (1)	38 (2)	49 (2)	56 (2)	26	29	12	25
	125	12 (2)	21 (2)	32 (2)	42 (2)	56 (2)	67 (3)	77 (3)	26	29	12	25
	150	13 (2)	24 (2)	35 (2)	45 (2)	63 (3)	77 (3)	91 (3)	26	29	12	25
	200	20 (3)	35 (3)	56 (3)	70 (3)	95 (4)	113 (4)	134 (4)	26	29	12	25
NMG 130	100	16 (2)	30 (2)	46 (2)	58 (2)	76 (4)	98 (4)	112 (4)	26	29	12	30
	125	24 (4)	42 (4)	64 (4)	84 (4)	112 (4)	134 (6)	154 (6)	26	29	12	30
	150	26 (4)	48 (4)	70 (4)	90 (4)	126 (6)	154 (6)	182 (6)	26	29	12	30
	200	40 (6)	70 (6)	112 (6)	140 (6)	190 (8)	226 (8)	268 (8)	26	29	12	30
NMG 163	100	32 (5)	63 (5)	84 (5)	130 (6)	165 (7)	204 (8)	243 (9)	40	48	12	40
	125	44 (7)	87 (7)	116 (7)	176 (8)	226 (9)	278 (11)	328 (11)	40	48	12	40
	150	50 (8)	101 (8)	134 (8)	197 (9)	257 (10)	314 (12)	388 (13)	40	48	12	40
	200	73 (12)	146 (12)	194 (12)	293 (13)	388 (15)	459 (17)	529 (18)	40	48	12	40
NMG 1126	100	63 (8)	126 (10)	168 (11)	260 (13)	330 (15)	408 (16)	486 (18)	40	48	12	51
	125	87 (11)	174 (14)	232 (15)	352 (17)	452 (19)	556 (22)	656 (23)	40	48	12	51
	150	100 (12)	200 (15)	268 (17)	394 (19)	514 (21)	628 (24)	776 (27)	40	48	12	51
	200	145 (18)	290 (22)	388 (24)	586 (27)	776 (31)	918 (34)	1058 (36)	40	48	12	51
NMG 1317	100	159 (12)	317 (24)	423 (26)	600 (29)	777 (33)	953 (37)	1130 (40)	34	53	12	69
	125	212 (16)	423 (32)	565 (34)	812 (38)	1059 (44)	1306 (49)	1518 (52)	34	53	12	69
	150	238 (18)	476 (36)	635 (38)	918 (42)	1200 (48)	1447 (53)	1730 (58)	34	53	12	69
	200	393 (39)	714 (55)	953 (57)	1341 (61)	1765 (70)	2154 (79)	2500 (84)	34	53	12	69

specifications

inlet & outlet connections	1/2" NPT
design operating pressure range	100 to 200 psig
design operating temperature range	41 to 113°F
pressure drop	7 to 10 psig

(1) the amount of compressed air required at the inlet as a function of the nitrogen flow at the outlet. Values are approximate. Contact us for detailed compressed air inlet requirements. At 100 psig inlet. For feed air required at different inlet pressure, contact support@n-psi.com



above drawings are for representation purposes only