NITROSource

Part of the MAXIGAS Range

Advanced technology nitrogen gas generator for industry leading performance; a source of increased productivity, sustainability and profitability.

With unique design and advanced energy saving technology at its core the market leading NITROSource nitrogen gas generator requires less compressed air to generate more nitrogen.

Together with substantially lower servicing costs, reduced downtime and a longer working life, it adds up to the most cost-efficient nitrogen supply available; significantly more affordable than traditional sources, and delivering huge savings over the lifetime of the generator.

With over 20 years experience in the market, and over 50,000 units installed globally, Parker domnick hunter is first choice for innovative and reliable gas generation technology.

Features and Benefits:

- **Energy saving technology**
  Matches compressed air flow to the nitrogen outlet flow and purity, reducing compressed air use, and saving energy and money.
- **Lower cost maintenance, extensive working life**
  The Carbon Molecular Sieve, the 'engine' of the generator delivers nitrogen more efficiently, leading to a very long working life – and major savings on maintenance.
- **Five year warranty**
  Free through Parker extended warranty, offering the assurance of no unexpected maintenance costs and maximised factory up-time.*
- **Industry compliance**
  Food and pharmaceutical safe, in line with European statute (EIGA) and the USA Food & Drugs Administration (FDA Article 21) and Pharmacopeia compliance.
- **Gas quality control**
  – **Mass Flow Controller** - ensuring correct set pressure and flow
  – **Integral Oxygen Analyser -** constantly measures gas purity
  – **Off-Gas-By-Pass -** automatically vents off out-of-specification gas ensuring product quality by ensuring gas quality
  – **Inlet and Outlet Pressure Regulation -** preventing damage to the generator or application
  – **Electronic Control System** – 100% management of all critical generator functions
- **Remote monitoring**
  Enabling connection to proprietary remote management and the generator control systems to control and track gas parameters from a central location
- **Easily upgradable supply**
  Simply add extra generators as the application requirement grows.

*Subject to terms and conditions. Please contact your local authorised Parker distributor.

Parker

ENGINEERING YOUR SUCCESS.

Product Selection

Performance data is based on 7 bar g air inlet pressure and 20°C - 25°C ambient temperature. Consult Parker for performance under specific conditions.

Model	Nitrogen flow rates m³/hr vs Purity (oxygen content)													
	5 ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.10%	0.40%	0.50%	1%	2%	3%	4%	5%
N2-20P	3.5	4.5	6.7	8.0	9.7	11.1	12.4	16.7	17.7	21.3	25.3	29.8	30.9	33.7
N2-25P	5.3	6.8	10.1	12.0	14.6	16.7	18.6	25.1	26.6	32.0	38.0	44.7	46.4	50.6
N2-35P	7.0	9.0	13.4	16.0	19.4	22.2	24.8	33.4	35.4	42.6	50.6	59.6	61.8	67.4
N2-45P	8.8	11.3	16.8	20.0	24.3	27.8	31.0	41.8	44.3	53.3	63.3	74.5	77.3	84.3
N2-55P	10.5	13.5	20.1	24.0	29.1	33.3	37.2	50.1	53.1	63.9	75.9	89.4	92.7	101.1
N2-60P	11.6	15.0	22.3	26.6	32.3	36.9	41.2	55.5	58.9	70.8	84.1	99.1	102.7	112.1
N2-65P	13.3	17.1	25.5	30.4	36.9	42.2	47.1	63.5	67.3	80.9	96.1	113.2	117.4	128.1
N2-75P	14.5	18.6	27.7	33.1	40.2	46.0	51.3	69.1	73.3	88.2	104.7	123.4	127.9	139.5
N2-80P	16.1	20.7	30.8	36.8	44.6	51.1	57.0	76.8	81.4	98.0	116.4	137.1	142.1	155.0

m³ reference standard 20°C, 1013 millibar(a), 0% relative water vapour pressure.

Inlet Parameters

Inlet Air Quality	ISO 8573-1: 2010 Class 2.2.2 (2.2.1 with high oil vapour content)
Inlet Air Pressure Range	5-13 bar g

Environmental Parameters

Ambient Temperature	5-50°C
Humidity	50% @ 40°C (80% @ MAX @ 31°C)
IP Rating	IP20 / NEMA 1
Pollution Degree	2
Installation Category	II
Altitude	< 2000 m
Noise	<80 dB (A)

Electrical Parameters

Generator Supply	100 - 240 +/- 10% Vac 50/60Hz
Generator Power	55 W
Fuse	3.15 A (Anti Surge (T), 250v, 5 x 20mm HBC, Breaking Capacity 1500A @ 250v, IEC 60127, UL R/C Fuse)

Port Connections

Air Inlet	G1
N2 Outlet to Buffer	G1
N2 Inlet from Buffer	G½
N2 Outlet	G½

Weights and Dimensions

Model	Height (mm)	Width (mm)	Depth (mm)	Weight (Kg)
N2-20P	1894	550	881	299
N2-25P			1050	384
N2-35P			1219	469
N2-45P			1388	553
N2-55P			1557	638
N2-60P			1726	722
N2-65P			1895	807
N2-75P			2064	892
N2-80P			2233	976

Packed Weights and Dimensions

Model	Height (mm)	Width (mm)	Depth (mm)	Weight (Kg)
N2-20P	729	2000	1090	398.4
N2-25P			1260	495.4
N2-35P			1430	580.4
N2-45P			1600	686.4
N2-55P	832		1770	782.4
N2-60P			1935	897.4
N2-65P			2100	997.4
N2-75P			2275	1093.4
N2-80P			2445	1186.4

Parker has a continuous policy of product development and although the company reserves the right to changes specifications, it attempts to keep customers informed of any alterations.

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EMEA Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

US Product Information Centre
Toll-free number: 1-800-27 27 537

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Your local authorized Parker distributor