

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 it delivers huge savings over the lifetime of the generator.

With over 30 years experience in the market, and over 50,000 gas generators installed globally, Parker domnick hunter is first choice for innovative and reliable gas generation technology.



Contact Information:

Parker Hannifin Manufacturing Limited
Gas Separation and Filtration Division
4087 Walden Avenue
Lancaster, NY 14086

Tel: 716 686 6400
Fax: 877 857 3800
Email: dhindsales@parker.com
www.parker.com/dhfns

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 maximized 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 Analyzer** - 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 authorized Parker distributor.

Product Selection

Performance data is based on 102 psi g air inlet pressure and 68°F - 77°F (20°C - 25°C) ambient temperature. Consult Parker for performance under specific conditions.

Model	Nitrogen flow rates SCFH / (m³/hr) vs Purity (oxygen content)													
	5 ppm	10 ppm	50 ppm	100 ppm	250 ppm	500 ppm	0.10%	0.40%	0.50%	1%	2%	3%	4%	5%
N2-20P	124	159	237	283	343	392	438	590	625	752	893	1052	1091	1190
	(3.5)	(4.5)	(6.5)	(8)	(9.7)	(11.1)	(12.4)	(16.7)	(17.7)	(21.3)	(25.3)	(29.8)	(30.9)	(33.7)
N2-25P	187	240	357	424	516	590	657	886	939	1130	1342	1579	1639	1787
	(5.3)	(6.8)	(10.1)	(12)	(14.6)	(16.7)	(18.6)	(25.1)	(26.6)	(32)	(38)	(44.7)	(46.4)	(50.6)
N2-35P	247	318	473	565	685	784	876	1180	1250	1504	1787	2105	2182	2380
	(7)	(9)	(13.4)	(16)	(19.4)	(22.2)	(24.8)	(33.4)	(35.4)	(42.6)	(50.6)	(59.6)	(61.8)	(67.4)
N2-45P	311	399	593	706	858	982	1095	1476	1564	1882	2235	2631	2730	2977
	(8.8)	(11.3)	(16.8)	(20)	(24.3)	(27.8)	(31)	(41.8)	(44.3)	(53.3)	(63.3)	(74.5)	(77.3)	(84.3)
N2-55P	371	477	710	848	1028	1176	1314	1769	1875	2257	2680	3157	3274	3570
	(10.5)	(13.5)	(20.1)	(24)	(29.1)	(33.3)	(37.2)	(50.1)	(53.1)	(63.9)	(75.9)	(89.4)	(92.7)	(101.1)
N2-60P	410	530	788	939	1141	1303	1455	1960	2080	2500	2970	3500	3627	3959
	(11.6)	(15)	(22.3)	(26.6)	(32.3)	(36.9)	(41.2)	(55.5)	(58.9)	(70.8)	(84.1)	(99.1)	(102.1)	(112.1)
N2-65P	470	604	901	1074	1303	1490	1663	2242	2377	2857	3394	3998	4146	4524
	(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	512	657	978	1169	1420	1624	1812	2440	2589	3115	3697	4358	4517	4926
	(14.5)	(18.6)	(27.7)	(33.1)	(40.2)	(46)	(51.3)	(69.1)	(73.3)	(88.2)	(104.7)	(123.4)	(127.9)	(139.5)
N2-80P	569	731	1088	1300	1575	1805	2013	2712	2875	3461	4111	4842	5018	5474
	(16.1)	(20.7)	(30.8)	(36.8)	(44.6)	(51.1)	(57)	(76.8)	(81.4)	(98)	(116.4)	(137.1)	(142.1)	(155)

Inlet Parameters

Inlet Air Quality	ISO 8573-1: 2010 Class 2.2.2 (2.2.1 with high oil vapor content)
Inlet Air Pressure Range	73-189 psi g / 5 - 13 bar g

Environmental Parameters

Ambient Temperature	41-122°F / 5 - 50°C
Humidity	50% @ 22°F / 104°C (80% @ MAX @ 88°F / 31°C)
IP Rating	IP20 / NEMA 1
Pollution Degree	2
Installation Category	II
Altitude	< 6562 ft / 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	1" NPT
N2 Outlet to Buffer	1" NPT
N2 Inlet from Buffer	½" NPT
N2 Outlet	½" NPT

Weights and Dimensions

Model	Height		Width		Depth		Weight	
	(mm)	(in)	(mm)	(in)	(mm)	(in)	(Kg)	(lbs)
N2-20P	1894	74.6	550	21.7	881	34.7	299	659
N2-25P					1050	41.3	384	847
N2-35P					1219	48	469	1034
N2-45P					1388	54.6	553	1219
N2-55P					1557	61.3	638	1407
N2-60P					1726	68	722	1592
N2-65P					1895	74.6	807	1779
N2-75P					2064	81.3	892	1967
N2-80P					2233	87.9	976	2152

Packed Weights and Dimensions

Model	Height		Width		Depth		Weight	
	(mm)	(in)	(mm)	(in)	(mm)	(in)	(lbs)	(Kg)
N2-20P	729	28.7	2000	78.7	1090	42.9	398	878
N2-25P					1260	49.6	495	1092
N2-35P					1430	56.3	580	1280
N2-45P					1600	63.0	686	1513
N2-55P					1770	69.7	782	1725
N2-60P					1935	76.2	897	1978
N2-65P					2100	82.7	997	2199
N2-75P					2275	89.6	1093	2411
N2-80P					2445	96.3	1186	2616

For more information please contact your local sales office or visit www.parker.com

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.