

High Flow Nitrogen Gas Generators

for General Laboratory Applications



Parker domnick hunter MAXIGAS nitrogen generators provide a cost effective and convenient nitrogen supply for laboratories having a high nitrogen demand.

MAXIGAS generators provide a safe and cost-effective alternative to cylinders and liquid bulk supplies. The generators are designed to deliver nitrogen at purity levels from 3% to 10 ppm oxygen content and are ideal for supplying nitrogen both to multiple laboratories or to notoriously high flow applications such as solvent evaporation or multiple-bank LC/MS instrument installations



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Features:

- **Robust Carbon Molecular Sieve media**
- **Continuous automatic operation**
- **High-efficiency re-pressurization technique**
- **Purities from 3% to 10 ppm oxygen content**
- **Modular design**
- **Compact**
- **Built in oxygen analyzer**
- **Fully comprehensive service contracts available**
- **CE and UL approved**
- **Global manufacturing support**

Benefits:

- **Reduced gas costs**
No on-going gas costs. No rental, refill, order processing or delivery charges
- **Increased safety**
No high pressure gas storage, no manual handling of tanks or cylinders
- **Long lifetime**
Robust, completely regenerative media
- **No downtime**
No interruption to analyses for cylinder or dewar changes or house gas outage
- **High efficiency**
Standby mode and re-pressurization techniques reduces energy consumption
- **Expandable**
Easy expandable if your gas requirements increase
- **Guaranteed gas quality**
Visible verification of nitrogen purity for high reproducibility of results
- **Local support**
Expert advice and support in your local time-zone



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Technical Information

Parker domnick hunter MAXIGAS nitrogen generators are available in a large number of sizes and purities. Please refer to the table below for performance summaries.

The MAXIGAS MIDI range offers the scientist a compromise between the lower flow laboratory range of nitrogen generators and the larger flow MAXIGAS range. These units are

available either with or without an integral oil-free compressor.

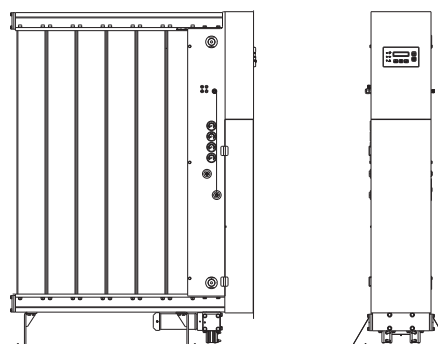
Technical Specifications

Nitrogen outlet flowrate – Nm3/hr (ATP) v Oxygen Concentration												
Model	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	10ppm	100ppm	500ppm	0.1%	0.5%	1%	2%	3%
MAXIGAS												
MAXIGAS 104	1895	550	692	334	2.0	3.2	8.1	8.9	14.1	17.8	21.9	25.8
MAXIGAS 106	1895	550	861	442	3.0	4.8	12.1	13.4	21.2	26.6	32.8	38.7
MAXIGAS 108	1895	550	1029	550	4.0	6.4	16.2	17.9	28.3	35.5	43.8	51.6
MAXIGAS 110	1895	550	1198	658	5.0	8.0	20.2	22.4	35.3	44.4	54.7	64.5
MAXIGAS 112	1895	550	1368	766	6.0	9.6	24.2	26.8	42.4	53.3	65.7	77.4
MAXIGAS 116	1895	550	1765	982	7.9	12.8	30.7	34.0	53.7	67.5	83.2	98.1
MAXIGAS 120	1895	550	2043	1192	9.9	16.0	37.2	41.2	65.0	81.7	100.7	118.7
MIDIGAS												
N2MID350	1100	590	600	145	0.6	1.0	1.4	1.6	2.6	3.1	4.0	n/a
N2MID351*	1100	1180	600	305	0.6	1.0	1.4	1.6	2.6	3.1	4.0	n/a
N2MID600	1100	590	600	180	0.9	1.5	2.2	2.6	3.9	4.6	6.1	n/a
N2MID601*	1100	1180	600	340	0.9	1.5	2.2	2.6	3.9	4.6	6.1	n/a

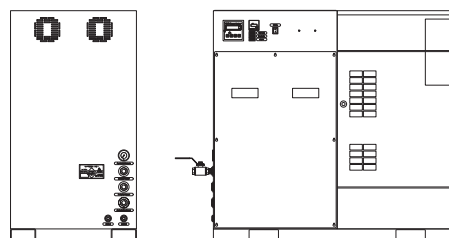
Performance data based on 6 barg air inlet pressure, 20°-25°C ambient temperature. Consult Parker domnick hunter for performance under other specific conditions. *with intergrated compressor

Ambient temp. range	5°-50°C
Nitrogen outlet pressure	5 barg MAXIGAS MIDI 5-16 barg MAXIGAS
Min. air inlet pressure	6 barg
Max. air inlet pressure	9.5 barg MAXIGAS MIDI 18 barg MAXIGAS
Inlet air quality	Dewpoint: -40°C (-40°F) Particulate: <0.1micron Oil: <.01 mg/m3
Electrical supply	220V/1ph/50Hz or 110V/1ph/60Hz
Inlet/outlet connections	G ¹ / ₂ MAXIGAS MIDI Air G1/N2 G ¹ / ₂ MAXIGAS

MAXIGAS



MAXIGAS MIDI



For more information on extended warranty and preventative maintenance contract availability, please contact your local Parker domnick hunter sales office or log on to www.domnickhunter.com/scientific

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