

MIDIGAS

Nitrogen Gas Generators

The cost-effective, reliable and safe solution for small to medium nitrogen requirements.

MIDIGAS nitrogen gas generators from Parker produce nitrogen gas from compressed air and offer a cost-effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinder or liquid.

Nitrogen is used as a clean, dry, inert gas primarily for removing oxygen from products and/or processes.

MIDIGAS provides an on-demand, continuous source of nitrogen gas which can be used in a wide range of industries such as food, beverage, pharmaceutical, laboratory, chemical, heat treatment, electronics, transportation, oil and gas and laser cutting.



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Features:

- **Can operate from a standard factory compressed air supply**
- **Delivers 5% down to 10ppm oxygen content, without the need for any additional purification**
- **Available in 3 models offering varying flow rates and purities**
- **Automatic economy mode**
- **Built-in oxygen analyser for continuous purity monitoring**
- **Digital and analogue outputs for remote monitoring**
- **Alarm capabilities**
- **User friendly control interface**
- **Compact design**
- **Modular concept**

Benefits:

- **Up to 90% cost savings***
Typical capital pay-back is achievable within 12-24 months
- **Energy savings**
Low air consumption provides greater energy efficiency
- **Convenient and safe**
The easy to use system is simple to install, requires minimal maintenance and eliminates safety hazards associated with traditional gas supplies
- **Space saving design**
The compact design means the system demands less floor space
- **Flexible multi-bank option**
The modular concept means the generators can be multi-banked if required
- **Reduced carbon footprint**
The elimination of cylinder deliveries and transportation means carbon footprint can be reduced

* Typical cost savings achieved in comparison to cylinder or liquid supply



ENGINEERING YOUR SUCCESS.

Product Selection

Performance data is based on 7 bar g (100 psi g) air inlet pressure and 20° - 25°C (66° - 77°F) ambient temperature. Consult Parker for performance under other specific conditions.

Oxygen Content												
Model	Unit	10ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
MIDIGAS2	m ³ /hr	0.55	1.2	1.5	1.9	2.4	3.4	4.3	5.8	7.2	8.4	9.4
	cfm	0.3	0.7	0.9	1.1	1.4	2.0	2.5	3.5	4.2	4.9	5.5
MIDIGAS4	m ³ /hr	1.2	2.4	3.2	3.9	4.7	6.9	8.5	11.6	14.3	16.7	18.8
	cfm	0.7	1.4	1.9	2.3	2.8	4.1	5.0	6.8	8.4	9.8	11.1
MIDIGAS6	m ³ /hr	1.5	3.2	4.2	5.3	6.5	9.5	11.5	15.2	18.7	21.7	24.5
	cfm	0.9	1.9	2.5	3.1	3.8	5.6	6.8	8.9	11.0	12.8	14.4

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

Technical Data

Ambient temperature range	5 - 50°C
Nitrogen outlet pressure	up to 11 bar g
Air inlet pressure	6 to 13 bar g
Air Inlet Quality	Pressure Dewpoint
	-40°C
	Particulate
	<0.1 micron
	Oil
	<0.01 mg/m ³
Electrical supply	85V-132V & 176V-264V AC/ 50Hz - 60Hz/1ph
Inlet/outlet connections	G ¹ / ₂

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
MIDIGAS2	1034	41	450	18	471	19	98	216
MIDIGAS4	1034	41	450	18	640	26	145	320
MIDIGAS6	1034	41	450	18	809	33	196	432

Also available, MAXIGAS PSA technology in addition, NitroSource, Nitroflow Basic, LP and HP membrane technology. To ensure the best solution is selected, please contact Parker.

For information on extended warranty and preventative maintenance contract availability, please contact your local sales office or visit www.parker-separation.com

