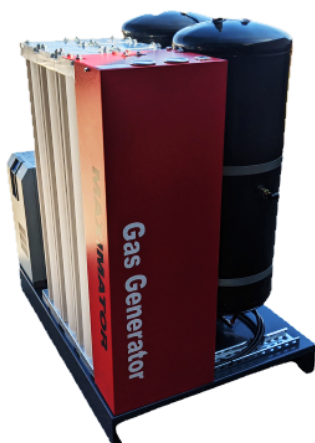


Nitrogen Gas Generator (G)

Technical Data Sheet



Models Shown G600 and G300

Order Code: G200/G300/G450/G600/G750/G900

Features

High quality N2 gas for industrial applications

Pressure swing adsorption process

High quality air separation media

Cost Effective

Reliable & Safe supply of Nitrogen

Up to 99.95% N2 - Purity

Application

These nitrogen generators ensure a cost-effective, reliable and safe supply of nitrogen.

They work according to the principle of pressure swing adsorption, in which oxygen molecules are deposited on carbon molecular sieves, generating nitrogen of the desired purity. The molecular sieve is regenerated by purging with a portion of the generated gas.

Ordering Information

G		-		Options
Size	▲	▲	▲	None
200 Nlpm	200		-	System Scope Basic Config Ready to run Package Custom System
300 Nlpm	300			
450 Nlpm	450			
600 Nlpm	600			
750 Nlpm	750	B		
900 Nlpm	900	P SO		

See performance charts for flow and purity figures

Technical Data / System Scope

Max Outlet Pressure:	Nominal outlet pressure 5.5 to 6 Bar
Air inlet pressure:	Min pressure 6 Bar, Max 10 Bar
Operating conditions	Indoors, min temp +5°C, Max +40°C.
Max Flow	See Charts
Connections	Outlet: 1/2" BSP
Operating conditions	Indoors, min temp +5°C, Max +40°C.
	Air Inlet: 1/2" BSP
Electrical power	100 - 240v ac single phase, approx 50 W

Construction

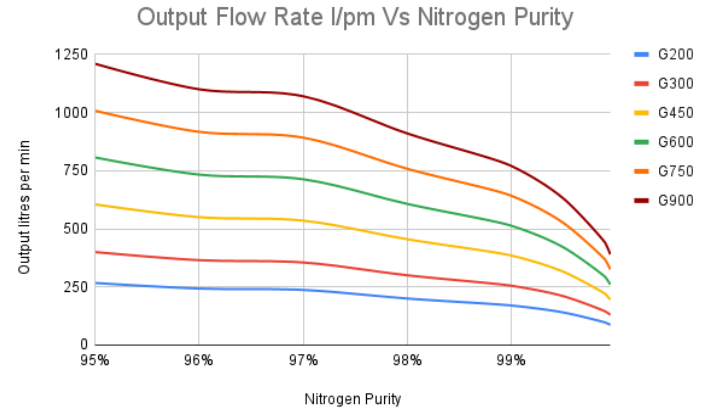
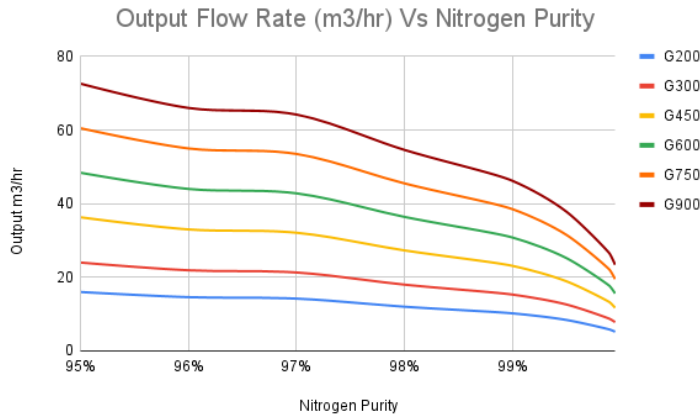
Frame	Fabricated Painted steel base
Interface	Colour touch screen
Settings	Gen Pressure, O2 Alarm, Air alarm
Oxygen analyser	Included for 95% to 99.5% systems
Gas storage	240 - 480 litres dependant upon model
Air treatment	2 x filter + refrigerant dryer
Overall Dimensions	See below
Net Weight	See below

Options

- Export packing case
- Hi sensitivity O2 analyser for high purity systems.
- OPC UA connection for site comms

Please consult us for more information. All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.

Performance



Maximator UK Nitrogen Generator Column Outputs

Flow based upon % purity of Nitrogen gas											
Model	Column size	No of column pairs	Flow	95%	96%	97%	98%	99%	99.5%	99.9%	99.95%
G200	1000	2	m3/hr	16	14.6	14.2	12	10.2	8.4	5.8	5.2
			lpm	267	243	237	200	170	140	97	87
G300	100	3	m3/hr	24	21.9	21.3	18	15.3	12.6	8.7	7.8
			lpm	400	365	355	300	255	210	145	130
G450	1400	3	m3/hr	36.3	33	32.1	27.3	23.1	18.9	13.2	11.7
			lpm	605	550	535	455	385	315	220	195
G600	1400	4	m3/hr	48.4	44	42.8	36.4	30.8	25.2	17.6	15.6
			lpm	807	733	713	607	513	420	293	260
G750	1400	5	m3/hr	60.5	55	53.5	45.5	38.5	31.5	22	19.5
			lpm	1008	917	892	758	642	525	367	325
G900	1400	6	m3/hr	72.6	66	64.2	54.6	46.2	37.8	26.4	23.4
			lpm	1210	1100	1070	910	770	630	440	390

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Nitrogen Gas Generator (G)

Technical Data Sheet

Order Code:

G200/G300/G450/G600/G750/G900

B

Basic Configuration

Items included:

- Generator core
- Controller
- Inlet and outlet connection
- Indicators for column pressure, inlet and outlet pressure
- ON/OFF switch • Indicator lights for on, alarm and standby
- Hours counter
- Oxygen Analyser - including:
 - Oxygen monitoring sensor
 - Conditioning valves for sensor sampling
 - Panel meter indicating oxygen content
 - Oxygen alarm function to shut down generator

	Dimensions (WxLxH):	Weight
G200	400w x 1350h x 600d mm	370kg
G300	400w x 1350h x 800d mm	450kg
G450	400w x 1700h x 800d mm	330kg
G600	400w x 1700h x 1000d mm	440kg
G750	400w x 1700h x 1200d mm	550kg
G900	400w x 1700h x 1400d mm	660kg

P

Package Configuration

Items included:

- Basic configuration generator
- Fabricated steel baseplate
- Inlet filters (2)
- Refrigerant type dryer
- Low pressure gas receiver

	Dimensions (WxLxH):	Weight
G200P	1000w x 1350h x 1200d mm	370kg
G300P	1000w x 1350h x 1200d mm	450kg
G450P	1000w x 1700h x 1200d mm	540kg
G600P	1000w x 1700h x 1400d mm	650kg
G750P	1000w x 1700h x 1600d mm	760kg
G900P	1000w x 1700h x 1800d mm	870kg

SO

Special Order

Custom implementation according to agreed specification. May include additional functions and interfaces to suit customer requirements.

General Technical Information

Air Inlet	G ½ female. Min pressure 6 Bar, Max 10 Bar
Gas Outlet	G ½ female. Nominal outlet pressure 5.5 to 6 Bar
Electrical Power	IEC 3 pin panel plug. Cable and socket supplied. 100 - 240v ac single phase, approx 50 W
Operating Conditions	Indoors, min temp +5°C, Max +40°C.

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