

'MAGNA PSA' - Intelligent Gas Generators

'MAGNA' is the latest range of Nitrogen PSA Industrial Gas Generators from Noblegen Products.

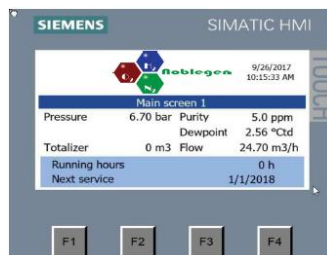
Utilising the reliable and efficient PSA technique of separating Nitrogen and Oxygen is used to produce high quality Nitrogen Gas at various flows and purities (see performance data sheets).

The Generators are controlled using the latest Siemens HMI touch screen technology to display the process in real-time, inlet / outlet pressures, Trend graphs and much more.....



Features

- Range of Flow-rates
- Air Compressor available
- Siemens PLC as standard
- Purity 99.9995% - 95%
- Oxygen Analyser as standard
- Energy saving mode
- Remote start / stop relay
- Alarms with help menu
- Audible alarm sounder
- Remote access via internet
- Data logging via USB interface



Colour HMI Touch Screen

Applications

- Pharmaceutical & Laboratory
- Laboratory ringmain supply
- Oil & Gas applications
- Wine Sparging
- Food packaging
- Soldering
- Laser Cutting

'MAGNA PSA' Nitrogen Generator range from Noblegen Products is your reliable and efficient alternative to conventional high pressure cylinder and liquid gas supplies. Taking away the on-going costs, safety considerations and transportation of traditional gas supplies, the 'Maximus' on-site Nitrogen systems are some of the most advanced and intelligent available. The control system gives the user all the information necessary to ensure an efficient and consistent supply of gas is always available. From the process to flow and alarms, including auto-start / stop function, Trend graphs, service alarm and service records page, there is simply no other laboratory nitrogen system quite like MAGNA.

The 'MAGNA' is one of the most economical range of nitrogen generators on the market for both purchase price and on-going running / maintenance costs compared to multi-bank modular systems. Together with our unrivalled experience and knowledge of nitrogen gas generators with 1000's running world-wide supported by our national and international partners.

INDUSTRIAL GAS GENERATORS

Nitrogen Outlet Flowrate - Nm³/hr vs Oxygen Concentration

Model	5ppm	10ppm	100ppm	0.1%	0.5%	1.0%	2.0%	3.0%	5.0%
MP20	12.5	16.7	31.8	48.1	64.8	73.3	93.1	112.5	131.9
MP27	16.9	22.5	42.9	64.9	87.5	99.0	125.7	151.9	178.1
MP35	21.9	29.2	55.7	84.2	113.4	128.3	162.9	196.8	230.8
MP50	31.3	41.7	79.5	120.3	162.0	183.3	232.8	281.2	329.7
MP65	40.7	54.2	103.4	156.3	210.5	238.3	302.6	365.6	428.7
MP80	50.0	66.7	127.2	192.4	259.1	293.3	372.4	450.0	527.6
MP100	62.6	83.4	159.1	240.5	323.9	366.6	465.5	562.5	659.5
MP125	78.2	104.3	198.8	300.6	404.9	458.2	581.9	703.1	824.4
MP150	93.8	125.1	238.6	360.8	485.9	549.9	698.3	843.7	989.2

Specification based on 7bar (102psig) air inlet pressure @ 20°-25°C (68°-77°F) ambient air temperature.
For inlet pressures and ambient air temperature outside these conditions please contact the Noblegen

General Specifications

Ambient Temp Range	5-50 °C (41-122°F)
Air Inlet Pressure	7-10 bar g (101.5-145 psi g)
Nitrogen Outlet Pressure*	Up to 9 bar g (130.5 psi g)
Air Inlet Requirement	ISO: 8573.1:2010 (class 1.4.1) Dew-point: +3°C (+37°F) Particulate: <0.01 micron
Electrical Supply	230v a.c. / 1ph / 50-60Hz (0.1Kw) 115v a.c. / 1ph / 50-60Hz (0.1Kw)
Socket Inlet	Gland Entry (MCB) 10A
Communications	Relay / USB
Inlet / Outlet Connections	1" BSPP x 2



INDUSTRIAL GAS GENERATORS

Dimensions (cm) and Weights (kg)

Model	Length	Width	Height	Weight
MP20	105	95	210	700
MP27	115	90	226	850
MP35	125	95	220	1100
MP50	155	130	230	1350
MP65	165	135	235	1800
MP80	195	125	225	2100
MP100	205	140	250	2500
MP125	205	165	315	3000
MP150	185	165	360	3500



Options:-

- Integrated Carbon Tower
- Air Inlet Moisture Protection & Recovery System
- Nitrogen Vent on Oxygen above set limits
- Proportional Flow Control Valve
- Flow-Meter DN20 including Totaliser (indication on touch screen)
- Audio / Visual Alarm
- Remote Control via 'Sm@rt Server' secured connection (LAN or Ethernet)
- Additional Digital Output Module – remote signals
- UPS Siemens – Uninterrupted Power Supply
- Upgrade to 7" colour Touch Screen PLC
- Multi-PSA systems available up to 5,000m³/hr – Contact Noblegen

