

'NITROGEN' LABORATORY & LIGHT INDUSTRIAL NITROGEN GAS GENERATORS

Features:-

- VARIOUS FLOW RATES
- DIGITAL DISPLAY
- COMPRESSOR ISOLATED FROM PROCESS PARTS
- ALL PROCESS PIPE WORK COPPER
- PSA CARBON SIEVE WARRANTY FOR LIFE
- COMPACT DESIGN
- 2 YEAR FULL WARRANTY INCLUDES COMPRESSORS
- HAZARDOUS AREA Ex VERSION AVAILABLE



DIGITAL DISPLAY FOR:-

- MODEL
- INLET / OUTLET PRESSURE
- HOURS RUN METER
- PLC STATUS LED

NobleGen's range of laboratory and light industrial Nitrogen Gas Generators are some of best designed PSA Nitrogen Gas Generators available. 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). The Generator is controlled using the latest PLC and display technology to ensure faultless operation and ease of use.

Application Industries:-

- GC
- ELSD
- ICP
- LC/MS

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TECHNICAL SPECIFICATION

LABORATORY & LIGHT INDUSTRIAL NITROGEN GENERATOR RANGE

Nitrogen Outlet Flowrate—L/min vs Oxygen Concentration									
Model	5ppm	100ppm	0.1%	0.5%	1.0%	2.0%	Outlet Pressure	Dims (-0)	Dims (-1)
NG1	1.0	1.5	-	-	-	-	5 barg	Size 1	Size 2
NG3	3.0	4.0	-	-	-	-	5 barg	Size 3	Size 3
NG4	-	-	-	4.0	-	-	5 barg	Size1	Size 2
NG5	-	4.0	6.0	8.0	10.0	12.0	5 barg	Size 3	Size 3
NG6	-	-	-	30.0	-	-	7 barg	Size 3	Size 3
NG7	-	-	-	18.0	-	-	7 barg	Size 3	Size 3
NG30-MID	10.0	16.5	26.5	45.0	52.0	67.0	5-7 barg	Size 4	-
NG60-MID	15.0	25.0	45.0	65.0	78.0	102.0	5-7 barg	Size 4	-

Technical Data

Ambient Temp range	5-35°C (41-95°F)
Maximum air Inlet Pressure	8 barg (116 psig)
Nitrogen Outlet Pressure	See above table
Air Inlet Requirement (units without compressor)	Dewpoint: -40°C (-40°F)
	Particulate: <0.1 micron
	Oil: <0.01 mg/m ³
Electrical Supply	220v a.c. / 1ph / 50Hz or
	110v a.c. / 1ph / 50-60Hz
Inlet / Outlet connections	G 1/4" (BSP) Female

Dimensions and Weights

Enclosure Size	Height mm (ins)	Width mm (ins)	Depth mm (ins)	Weight Kg (lbs)
Size 1	650 (25)	320 (12.5)	300 (11.8)	25 (55)
Size 2	650 (25)	320 (12.5)	650 (25.5)	40 (88)
Size 3	725 (28.5)	450 (17.7)	665 (26.1)	80 (176)
Size 4	1100 (43.3)	600 (23.6)	600 (23.6)	130 (286)

Standard Features

- ◆ Generators available with & without internal compressor
- ◆ Digital display of pressure ,model, hours run meter
- ◆ All pipe work is copper to increase gas quality
- ◆ 2 Year warranty includes compressors
- ◆ Life-time warranty on PSA carbon sieve

Options

- ◆ Screen can be customised for users design
- ◆ Ex Hazardous area version



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