

## 'ZERO NITROGEN' LABORATORY & LIGHT INDUSTRIAL ZERO 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
- HEATED CATALYST FOR THC REMOVAL
- COMPACT DESIGN
- 2 YEAR FULL WARRANTY INCLUDES COMPRESSORS
- HAZARDOUS AREA Ex VERSION AVAILABLE



### DIGITAL DISPLAY FOR:-

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

Noblegen's range of laboratory and light industrial Zero Nitrogen Gas Generators are some of the best designed PSA Nitrogen Gas Generators available. Utilising the reliable and efficient PSA technique of separating Nitrogen and Oxygen combined with heated catalyst technology is used to produce high quality Hydrocarbon Free Nitrogen gas. The Generator is controlled using the latest PLC and display technology to ensure faultless operation and ease of use.

### Application Industries:-

- GC
- ICP
- TOC

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# TECHNICAL SPECIFICATION

## LABORATORY & LIGHT INDUSTRIAL ZERO NITROGEN GENERATOR RANGE

Model	Inlet / Outlet Flow l/min	Dimensions mm (ins)			Weight Kg (lbs)
		Height mm (ins)	Width mm (ins)	Depth mm (ins)	
ZNG1-0	1.0	650 (25)	320 (12.5)	300 (11.8)	25 (55)
ZNG1-1	1.0	650 (25)	320 (12.5)	650 (25)	40 (88)
ZNG3-0	3.0	725 (28.5)	450 (17.7)	665 (26.1)	70 (154)
ZNG3-1	3.0	725 (28.5)	450 (17.7)	665 (26.1)	80 (176)

### 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
Gas Purity	N2 99.9995% (THC <0.1ppm)
Air Inlet Requirement (units without compressor)	Dewpoint: -40°C (-40°F)
	Particulate: <0.1 micron
	Oil: <0.01 mg/m <sup>3</sup>
Electrical Supply	220v a.c. / 1ph / 50Hz or
	110v a.c. / 1ph / 50-60Hz
Inlet / Outlet connections	G 1/4" (BSP) Female

### Standard Features

- ◆ Generators available with & without internal compressor
- ◆ Digital display of pressure, model, hours run meter
- ◆ Catalyst temperature display
- ◆ 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



[www.noblegen.co.uk](http://www.noblegen.co.uk)