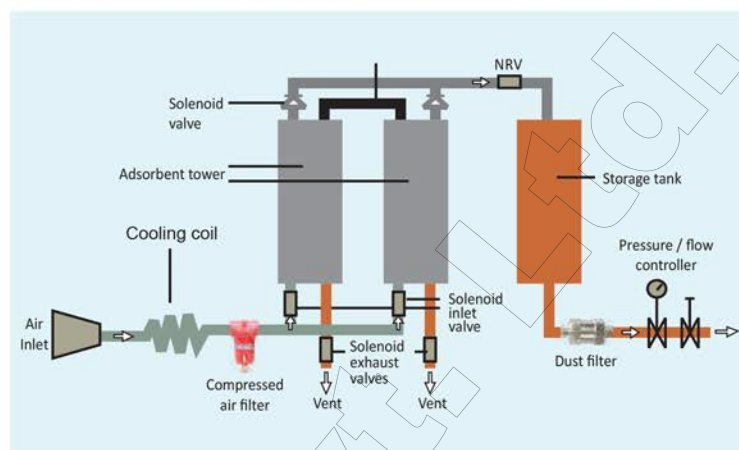


# Nitrogen Generator for GC Model : NG02/NG02(A)



Model : NG02 / NG-02(A)

## Schematic Diagram of Nitrogen Generator



- Nitrogen Generator produces a continuous flow of high purity Nitrogen at selected pressure.
- The modular Pressure Swing Adsorption (PSA) unit operates with alternating pressure increase and decrease.
- Untreated air flows under pressure through the reaction towers containing carbon molecular sieves adsorber. Moisture, CO, CO<sub>2</sub>, THC, O<sub>2</sub> and other unwanted components in the air are adsorbed, leaving Nitrogen Gas of required purity.
- During the desorption cycle, adsorbed are released again at low pressure and the adsorber is ready for next cycle.

### Salient Features

- Generator with PSA Technologies with auto generation
- Generator with all digital control for precise pressure control
- Generator has in built pressure switch which shuts off the generator in case of over pressure built up
- Generator with programming facility to save power consumption & user friendly parameters
- Flow rate from 200 ml/min 2000 ml/min.
- CE certified

### Applications

- GC-FID, FPD, NPD, TCD, AED
- GC-MS, LC-MS-MS, ICP / NMR
- FTIR / IR, ELSD detector, CAD detector
- All Analytical Instruments

### Technical Specification for Zero Air Generator

PRINCIPLE SPECIFICATIONS	N <sub>2</sub> Specification: NG02 (A) for 2 GC	N <sub>2</sub> Specification: NG02 for 5 GC
Moisture	< 5 ppm	< 5 ppm
Oxygen	< 5 ppm	< 5 ppm
Total Hydrocarbon	< 0.5 ppm	< 0.5 ppm
Purity	UHP (GC grade)	UHP (GC grade)
Micron particulates	0.01 μ	0.01 μ
CO & CO <sub>2</sub>	< 2ppm	< 2 ppm
Capacity	200 ml/min at 80 psi	500 ml/min at 80 psi
Method of purity	Pressure Swing Adsorption (PSA)	Pressure Swing Adsorption (PSA)
Room temperature	5 °C 25°C	5 °C 25°C
Startup time	2 hr / programmable by Timer	2 hr / programmable by Timer
Electrical requirement	230 V AC, 50 Hz, 1 ph	230 V AC, 50 Hz, 1 ph
Dimension (in mm)	400 (W) x 700 (H) x 700 (D) mm	400 (W) x 700 (H) x 700 (D) mm
Weight	55 kg (approx)	55 kg (approx)
Gas Outlet Port	1/8" OD	1/8" OD