

# Nitrogen Gas Generator for ELSD and CAD



Model : NG-02 (M) for ELSD & CAD

- 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, the trapped substances adsorbed are released again at low pressure and the adsorber is ready for next cycle.

## Salient Features

- No external compressor required.
- Inbuilt silent oil free air compressor.
- Automatic heatless air dryer timer based operation.
- Microcontroller based Nitrogen Generator with 2 Channel Analog Sensors for pressure and with four relay output.
- Designed as plug & play system.

Principle Specification / Model	Model for ELSD	Model for CAD
Technology	PSA	PSA
Inbuilt Air Compressor	Silent Oil Free Air Compressor	Silent Oil Free Air Compressor
Oxygen	0.1 %	0.1 %
Nitrogen/ Outlet Purity	99.9 % N <sub>2</sub> and other inert Gases	99.9 % N <sub>2</sub> and other inert Gases
Max Flow	5 LPM	5 LPM
Max Pressure	5 kg/cm <sup>2</sup>	5 kg/cm <sup>2</sup>
Particles	< 0.01µm	< 0.01µm
Room Temperature	20 °C to 30 °C	20 °C to 30 °C
Gas Outlet Connection	6mm PU or 1/8" OD Connection	6mm PU or 1/8" OD Connection
Electrical Requirements	220 V AC 50 HZ, 4 A	220 V AC 50 HZ, 4 A
Dimensions (mm)	750H x 220W x 800D	750H x 220W x 800D
Weight (kg)	70 (Approx)	70 (Approx)