

**TRIDENT PNEUMATICS PVT LTD**

5/232,K.N.G. Pudur road, Coimbatore -641 108. India

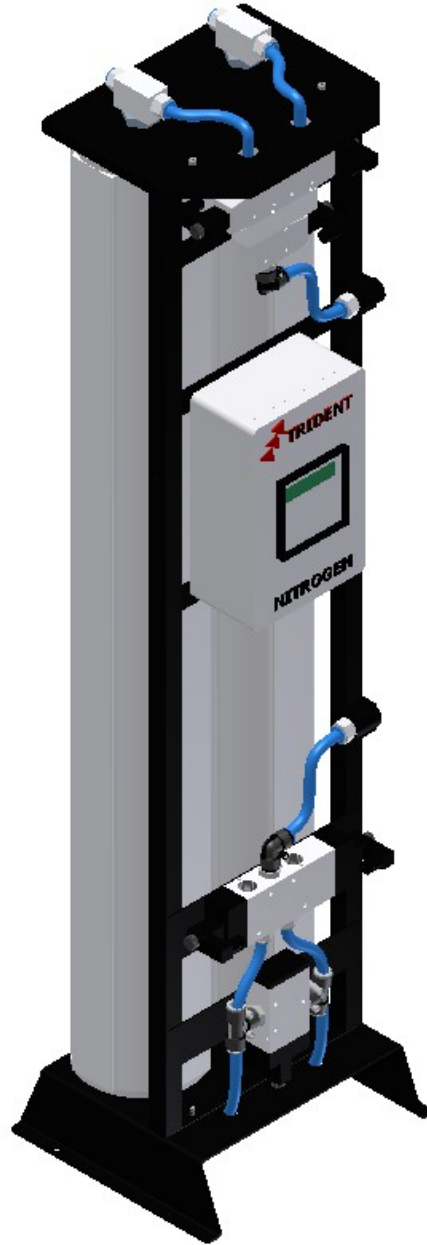
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[www.tridentpneumatics.com](http://www.tridentpneumatics.com)



## FACT SHEET



**PRODUCT NAME : NITROGEN GENERATOR**  
**MODEL : NITROGEN 50**  
**ITEM CODE : PG005**

**Engineering Quality Air & Gas**

*Trident reserves the right to change products or specifications without notice*

Rev 0  
02/17

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### **SPECIFICATIONS**

Nitrogen Flow Vs Purity :

N2 Flow (N cu.m/hr)	3.24	7.07	10.40	12.48	14.56	16.64	20.80
N2 Purity (%)	99.99	99.9	99.5	99	98	97	95

Inlet Air requirement : 33.30 N cu.m/hr  
Maximum Operating Pressure : 9 bar (g) (130.5 PSI (g))  
Air Inlet Temperature : 104°F Max  
Rated Operating Pressure : 7 bar(g) (101.5 PSI (g))  
Operating Voltage : 100-240 VAC 50/60 Hz 1 Ph  
End Connection : 1/2" NPT (F)  
Inlet Air Condition : Inlet air quality must comply with ISO 8573 Class 4

### **TECHNICAL DATA**

#### **ADSORBER DATA**

- Type of adsorbent : Carbon Molecular Sieves
- Adsorber Shell : Aluminum IS 63400
- Top & Bottom Block : Aluminum IS 63400

#### **PRE-FILTER DATA**

- Make : Trident
- Model : T100
- Micron rating : 0.01micron
- Filtering media : Borosilicate Element(Y – type)
- Efficiency : 99.9%
- Utilities : Autodrain valve (IA)

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### **INBUILT AFTER FILTER DATA**

- In built After Filter Micron Rating : 25 micron (ISO:8573-1:2010 (E) Class 5)

### **ELECTRICAL DATA**

- Controller : Custom Made Micro-Processor Based
- Make : Trident
- Input Voltage : 100-240 VAC 50/60 Hz 1 Ph
- Output : 24VDC/8watts Solenoid coils
- Analog Input : 2 nos (4 – 20 mA ) (Oxygen & Pressure Sensor)
- Display : Indication in LCD for Tower status