

Airstream
Mini Model
Nitrogen Generator
Product Catalogue



Advantages of a Nitrogen Generator

- Reliable and economic N₂ production with PSA (Pressure Swing Adsorption) technology up to 99.999% pureness.
- Amortized costs in less than 2 years time.
- Periodic maintenance every 6 months make this unit cost effective and economic.
- Logistical problems with transporting nitrogen cylinders or liquid is eliminated.

Standard Equipment

- Water separator for inlet of feed pressure air, 1 unit
- Water discharge system with zero-loss air, 1 unit
- Line filters for feeding pressure air, 2 units (0.5 and 0.01 PPM)
- Output 1 pcs 0.01 PPM filter.
- Pneumatic valves
- Exhaust mufflers
- PLC control system with fully automatic operations
- Regulator for nitrogen pressure
- Oil sensor for inlet of feed compressed air quality

Touch LCD Display Control Panel Properties

- Total work time display
- Automatic or manual operation
- Measurement of the gas purity constantly in instantly
- Time settings change
- An alarm can be coupled with sound or light on demand
- Automatic stop control when outlet pressure is increased

Application Field

- **Food and MAP Process** - Fruit juice, milk, water, coffee packaging/olive oil, wine beverage and storage, cooking oil, grinding, cold storage of fresh vegetables
- **Electronics** - Laser cutting, heat applications
- **Medical products** - Packaging, processing
- **Molting** - Nitration and isolation
- **Metal Works** - Aluminum extrusion
- **Chemical** - Reservoir isolation, solvent isolation, fuel storage, polymer production, solvent dye production
- **Automotive** - Tyre inflating, leakage testing
- Other - Pressure control, copper cable, block injection

Technical Information

Airstream Small Model Nitrogen Generator Technical Information

MODEL	Weight (kg)	Dimensions (L x W x H) mm	Particle Content (µm)	Inlet Air Pressure (BARg)	N2 Output Pressure (BARg)	Power
NITRO005	45	250 x 750 x 801	0.01	6 to 11	5 to 10	220 - 240VAC/50Hz - 20W
NITRO010	56	250 x 750 x 1200	0.01	6 to 11	5 to 10	110 - 240VAC/50Hz - 20W
NITRO015	90	250 x 750 x 1400	0.01	6 to 11	5 to 10	110 - 240VAC/50Hz - 20W
NITRO020	200	370 x 1000 x 1090	0.01	6 to 11	5 to 10	110 - 240VAC/50Hz - 100W
NITRO030	270	370 x 1000 x 1390	0.01	6 to 11	5 to 10	110 - 240 VAC/50Hz - 100W

Minimum Nitrogen Output Flow with Compressed Air Inlet Pressure of 7.5 BAR (g)

Pin = 8 bar (g)	N2 Flow Nm ³ /h N2 Output = 7 bar (g)								
MODEL/PURITY	95%	97%	98%	99%	99.50%	99.90%	99.95%	99.99%	99.999%
NITRO005	2.08	1.84	1.38	1.14	0.9	0.6	0.48	0.31	0.29
NITRO010	4.4	3.4	2.9	2.4	1.9	1.29	1	0.7	0.65
NITRO015	6.7	5.1	4.4	3.7	2.9	1.9	1.5	1	0.95
NITRO020	10.1	7.8	6.7	5.72	4.4	2.8	2.4	1.6	1.12
NITRO030	15.6	12	10.4	8.8	6.8	4.4	3.7	2.6	1.76

Technical Information

CORRECTION FACTORS						
* Pressure inlet bar (psi) for 7.5 bar(g) inlet						
Compressed air inlet pressure	6.5	7.5	8.5	9.5	10.5	11.5
Performance Percentage	0.84	1	1.08	1.16	1.25	1.3

* Compressed air inlet temperature in °C									
5	10	15	20	25	30	35	40	45	50
0.85	1.03	1.02	1	0.93	0.86	0.8	0.72	0.6	0.52

Reference Conditions:
* Ambient temperature working range: +5 / +40°C (41°F/104°F)
* Minimum air inlet pressure: 6.5 bar (g) (94.3psi)
* Maximum air inlet pressure: 11.5 bar (g) (181.3psi)
* Please check correction factors
Compressed air inlet quality: ISO8573-1
1. Quality = 1-2-1 or
2. Quality = 1-4-1
* Electrical power supply: 115 / 230V, 50Hz

Installation Pictogram



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