



NITROPLUS TT

TWIN TOWER PSA NITROGEN GENERATOR

Up to 99.999% nitrogen

Nitroplus is a high efficiency nitrogen generator based on PSA technology. With a wide range of capacities and varied purity levels, Nitroplus meets the needs of all types of industries, with increased profitability.



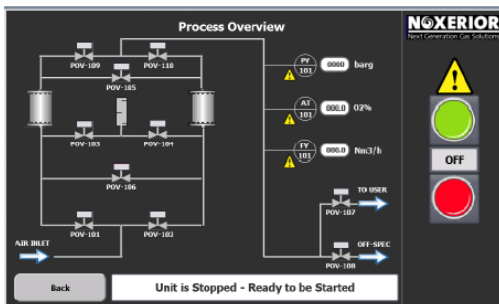
PSA NITROGEN GENERATOR NITROPLUS TT



- Low Operating Costs
- Fully Automatic and Unattended Operation
- Process Monitoring & Start/Stop through Webserver
- Flow Rates from 27.3 to 572 m³ / hour
- Low Operating Pressures
- No Hazardous Storage
- Increased purity stability

High quality oxygen analyser with zirconium oxide measuring cell that does not expire and does not require any replacement or calibration.

Siemens PLC Controller



Allows the monitoring / remote control of the main process parameters and displays status messages such as gas purity, flow rate, total gas flow, total functioning hours and maintenance alerts.

Communication ports



Key features

- PSA Cycle time shifting available to manage a total of 4 units with a large reduction of storage tanks
- Set of external Feed Air Filters
- Adsorber Vessels built to ASME VIII Div. 2
- Air and Nitrogen flow regulation
- Standard Profinet Industrial Ethernet Interface
- Pressure switch for Automated Idle-Mode



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Designed for

- Biogas Production Plants
- Blanketing of Chemicals and Pharmaceuticals
- Corrosion Prevention in Power Plants
- Dry-Gas Sealing of Gas Compressors & Gas Turbines
- Gas Assisted Injection Moulding (GAIM)
- Inerting of Inflammable Powders & Liquids
- LNG / LPG Terminals
- Prevention of Dust Explosions
- Tyre Inflation
- Air Driven tools
- Autoclaves requiring a dry, non flammable gas where heating under pressure is required
- Food packaging
- Laser cutting

Why produce nitrogen on-site?

Benefits:

- Nitrogen available 24/7: continuous production
- Guaranteed purity: continuous analysis
- Full safety
- Proven savings
- No more logistic constraints
- Instant production on-demand: no more supply chain failure
- Eco-friendly solution: zero delivery & zero emission of pollutants



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NITROPLUS TT - Metric Capacity

Nitrogen Production Flow - m³/h - Inert Gas Purity / Residual O₂

Residual O ₂		10 ppm	50 ppm	100 ppm	500 ppm	0.1%	0.5%	1%	2%	3%
NS-100 TT	7.5 bar	42.4	56.9	63.4	73.5	94.0	120.0	132.0	154.0	194.0
	9.5 bar	46.5	53.1	64.3	74.2	109.8	164.6	161.4	178.4	229.9
NS-200 TT	7.5 bar	80.4	108	120	139.5	178.0	228.0	250.0	293.0	269.0
	9.5 bar	88.2	100.8	122.1	140.8	208.4	312.4	306.3	339	436.3
NS-300 TT	7.5 bar	118.0	159.0	176.0	205.0	262.0	335.0	368.0	430.0	548.0
	9.5 bar	129.7	148.1	179.4	206.9	306.2	459.0	450.0	497.5	641.1

NITROSWING Master Unit: Dimensions & Weights

NITROSWING® PSA generator	Dimensions L x W x H	Connections		Weight kg
		Air	N ₂	
NS-100 TT	1800 x 1200 x 2300 mm	G 2"	G 1.5"	2500
NS-200 TT	1300 x 1400 x 2540 mm	G 2"	G 1.5"	3000
NS-300 TT	2640 x 1500 x 3260 mm	G 2"	G 1"	3500