

GENERON®

Containerized PSA Nitrogen Generator

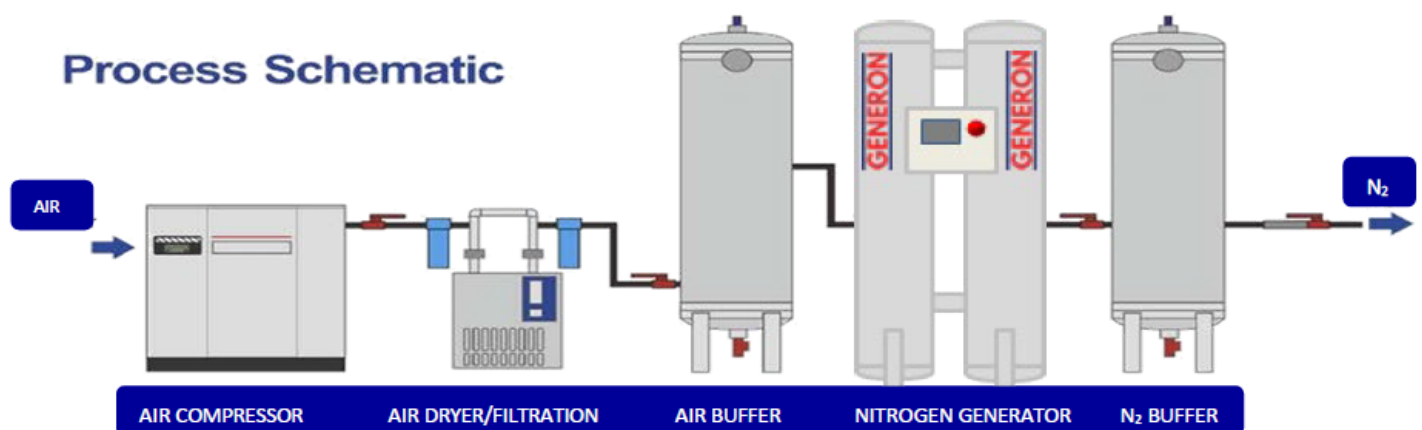
GENERON® Containerized PSA Nitrogen Generators separates nitrogen from compressed air utilizing the pressure swing adsorption (PSA) technology. This product line is designed for medium to large flow rates and has a reduced footprint. It consists of single pairs of our Twin Tower Adsorber Vessels, Feed Air Compressor, Dryer, and Air Nitrogen Buffer Vessels (installed inside the container or supplied separately).

Standard Features:

- ASME Adsorber Vessels
- High Cycle Life Pneumatic / Electric Valves
- Oxygen Analyzer with calibration kit
- Pressure Safety Valve
- Nitrogen Pressure Regulator
- PLC Control System
- Carbon Steel Skid
- Exhaust Silencing Muffler
- Highest Performance Adsorbent Media

Options/Upgrades:

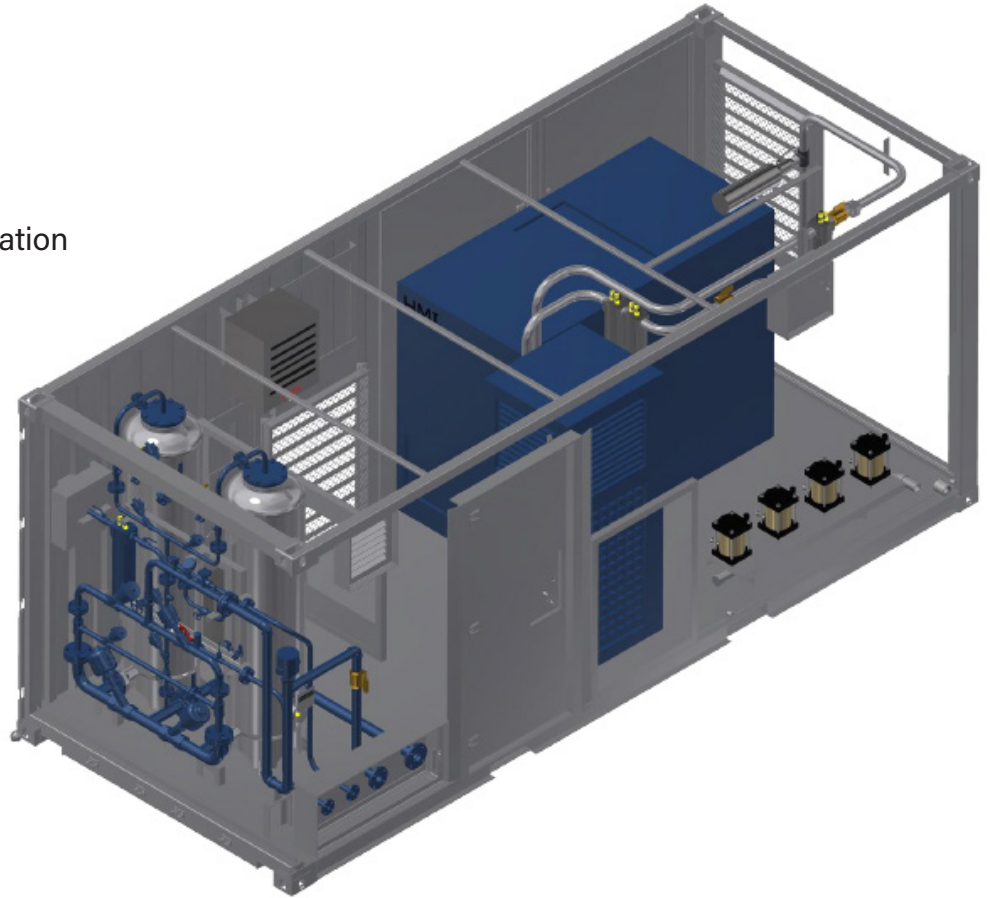
- Inlet Filtration Package
- Post Filtration Package
- Product Flow Meter
- Auto Shut Down/Startup/Standby Mode
- Off Specification Circuit
- Compressed Air Buffer Tank
- Nitrogen Buffer Tank
- Master Controller driven for multiple unit operation
- HMI Display Screen
- Enhanced PLC with Telemetry
- Dew Point Analyzer
- Energy Saving Part-Load Control



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Advantages:

- Low Gas Generating Cost
- Low Energy Consumption
- Fully Automatic Unattended Operation
- Highly Reliable
- Easy Installation
- Low Maintenance
- Heavy Duty Construction
- No Hazardous Storage



Parameters	Dimensions*:	20ft- 40ft L x 8ft W x 9.5ft H
	Weight*:	18,000-40,000 lbs
	Power Requirement:	480-900 WATT @ 120 VAC Supply
	Inlet Air Connection:	1" - 4" 150 #RF
	N ₂ Outlet Connection:	1" - 3" 150 #RF

* Not including air compressor and dryer
 Note: Weight and Dimensions are nominal

Twin Tower	Model Size	Nitrogen Purity/Flow Rate											
		PSIG	BARG	97%		99%		99.90%		99.99%		99.999%	
				SCFM	Nm ³ /h	SCFM	Nm ³ /h	SCFM	Nm ³ /h	SCFM	Nm ³ /h	SCFM	Nm ³ /h
NS-20-65	90 to 145	6.2 to 10	85-146	135-231	63-103	100-164	36-54	57-85	24-29	38-46	10-12	16-20	
NS-24-64	90 to 145	6.2 to 10	123-210	195-332	90-149	144-236	52-77	82-123	35-42	55-66	15-18	24-29	
NS-30-56	90 to 145	6.2 to 10	170-291	270-461	126-206	199-237	72-107	114-170	49-58	77-92	21-25	33-40	
NS-36-56	90 to 145	6.2 to 10	248-423	393-670	183-300	289-475	105-156	166-247	71-85	112-134	30-37	48-59	

Flow and pressure values are averages with tolerances of +/- 3%. Performance data based on 68°F (20 °C). Inlet temperature at Membrane module.
 Standard Conditions: 80°F (27°C) and 14.7PSI.
 Custom sizes are available upon request

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03/2023

