

# GENERON®

# TRITON<sub>2</sub>

## Containerized PSA Nitrogen Generator

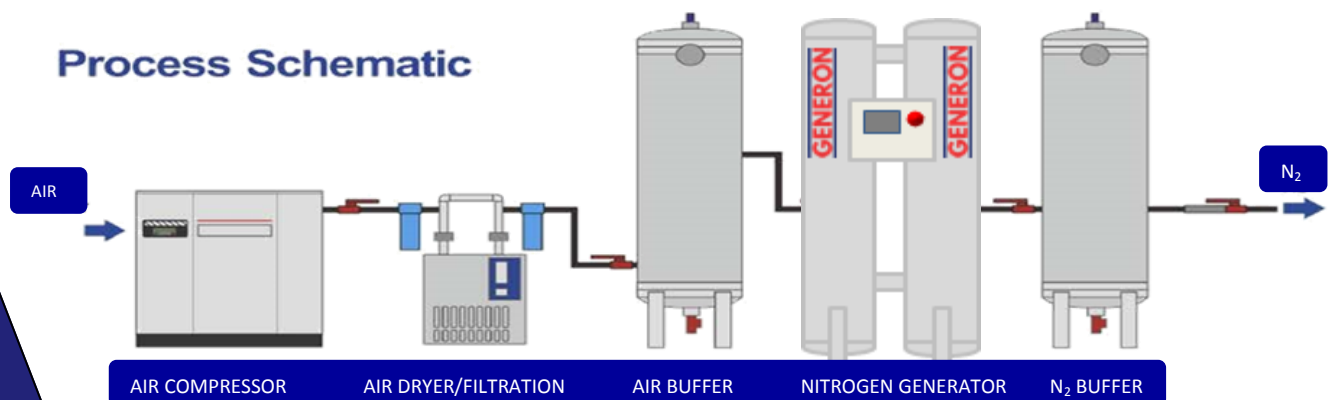
GENERON® Containerized PSA Nitrogen Generators separate nitrogen from compressed air utilizing Pressure Swing Adsorption (PSA) technology. This product line is designed for medium to large flow rates and have a reduced footprint. It consists of single pairs of our Twin Tower Adsorber Vessels, Feed Air Compressor, Dryer, and Air and 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



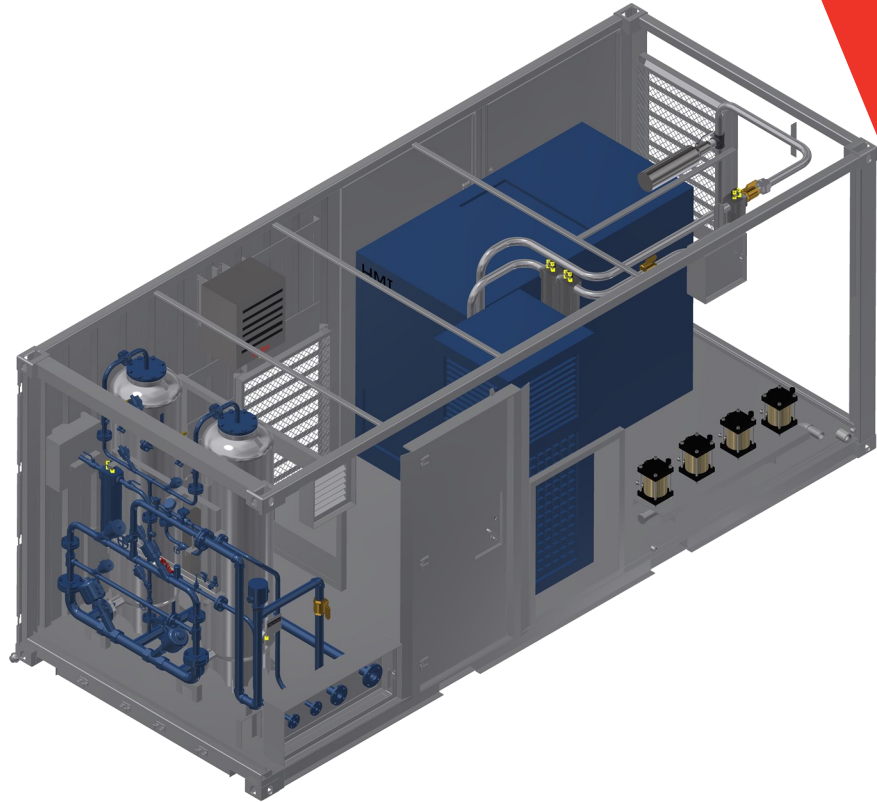
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# GENERON® TRITON<sub>2</sub> - Containerized PSA Nitrogen Generator

## Advantages:

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



<b>PARAMETERS</b>	<b>Dimensions:</b>	240" - 480" L x 96" W x 114" H
	<b>Weight</b>	18,000 - 40,000 lbs
	<b>*Power Requirement:</b>	480 - 900 WATT @ 120 VAC Supply
	<b>Inlet Air Connection:</b>	1" - 4" 150# RF
	<b>N<sub>2</sub> Outlet Connection:</b>	1" - 3" 150# RF

\* Not including air compressor and dryer

<b>TWIN TOWER</b>	Nitrogen Purity / Flow Rate												
	Model Size	psig	barg	97%		99%		99.90%		99.99%		99.999%	
				scfm	Nm <sup>3</sup> /h	scfm	Nm <sup>3</sup> /h	scfm	Nm <sup>3</sup> /h	scfm	Nm <sup>3</sup> /h	scfm	Nm <sup>3</sup> /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	12-10	20-16	
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	18-15	29-24	
NS-30-56	90 to 145	6.2 to 10	170-291	270-461	126-206	199-327	72-107	114-170	49-58	77-92	25-21	40-33	
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	37-30	59-48	

Flow and pressure values are averages throughout a cycle with tolerances of ±4%. Performance data based on 68°F (20°C) PSA inlet temperature. Standard conditions: 68°F (20°C) and 14.696 psi (1 atm). Custom sizes are available upon request.

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