

Zero Nitrogen and Nitrogen Generators for GC Carrier Gas and Makeup Gas Applications

UHPN2 Series

Nitrogen on demand, up to 5,000 mL/min



Parker Zero Nitrogen and Nitrogen Generators convert a standard compressed air supply to nitrogen gas with purities up to 99.9995% and <0.1ppm of hydrocarbons using industry-leading filtration and pressure swing adsorption (PSA) technology.

Standard compressed air is filtered by high-efficiency coalescing filters to remove all contaminants down to 0.01 micron. The air then passes through two columns filled with proprietary carbon molecular sieve which adsorbs oxygen, carbon dioxide, moisture and hydrocarbons, which are desorbed to atmosphere during the pressure swing cycle thereby producing a supply of ultra-pure nitrogen. [For ultra-sensitive applications such as ECD, units also include the addition of a heated catalyst module to ensure hydrocarbons are removed to < 0.1ppm.]

Typical applications include GC make up gas and carrier gas, including ECD (Electron Capture Detector), DSC (Differential Scanning Calorimeter), and virtually any analytical instrument that requires a small flow of ultra-high purity zero nitrogen.



Product Features:

- Integral oil-free compressors with noise reduction technology
- Minimal -maintenance required
- Economy mode: increases compressor life and ongoing operational costs
- Designed for continuous operation with minimal operator attention



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UHPN2 Series

Principal Specifications

Description	UHPN2-750-W	UHPN2-750C-W	HPN2-5000-W	HPN2-5000C-W
Purity	99.9995%	99.9995%	99.999%	99.999%
Hydrocarbon Concentration	N/A			
CO Concentration	<1 ppm			
CO2 Concentration	<1 ppm			
H2O Concentration	<1 ppm			
Flow Rates	750 mL/min	750 mL/min	5000 mL/min	5000 mL/min
Inlet Pressure (non-compressor systems only)	115-145 psig (8-9.9 bar)	N/A	115-145 psig (8-9.9 bar)	N/A
Outlet Pressure	75 psig (5 bar)			
Integral Compressor	No	Yes	No	Yes
Inlet Connection	1/4"	N/A	1/4"	N/A
Outlet Connection	1/8"			
Ambient Temperature	60°F to 77°F (15°C to 25°C)			
Electrical Requirements	104-127 VAC - 60 Hz (207-253 VAC - 50/60 Hz available upon request)			
Power Consumption	89 Watts	596 Watts	89 Watts	596 Watts
Dimensions	34" h x 14" w x 16" d (869 mm x 345 mm x 417 mm)			
Shipping Weight	97 lbs	110 lbs	190 lbs	210 lbs

Ordering Information

Description	Model UHPN2
750ml/min UHP Nitrogen Generator	UHPN2-750C (750 mL/min)
750ml/min UHP Nitrogen Generator with Integral Compressor	UHPN2-750C (750 mL/min with integral compressor)
5000ml/min HP Nitrogen Generator	HPN2-5000 (5000 mL/min)
5000ml/min HP Nitrogen Generator with Integral Compressor	HPN2-5000C (5000 mL/min with Integral compressor)
Installation Kit	IK7694

Maintenance Items	Model Number	Change Frequency
Filter Kit - UHPN2-750	606272551	12 months
Filter Kit - HPN2-5000	606272557	12 months
Filter Kit - UHPN2-750C	606272553	12 months
Filter Kit - HPN2-5000C	606272559	12 months
Compressor Kit 120V - UHPN2-750C-W	606272579	8,000 hours or 24 months (whichever comes first)
Compressor Kit 120V - HPN2-5000C-W	606272583	8,000 hours or 24 months (whichever comes first)

