

# Ultra High Purity Nitrogen Generators

for GC and other critical analytical applications



The Parker domnick hunter nitrogen gas generators employ robust, field proven technology to produce ultra high purity nitrogen for critical life science, chemical analysis and spectroscopy applications. Flow rates range from 0.55 L/min to 3 L/min, with purities >99.9995%.

The generators provide a continuous stream of ultra high purity nitrogen from a single 'plug & play' unit. Models are available with and without an integral oil free compressor, are extremely quiet in operation and are fully approved for use by major instrumentation manufacturers.

Innovative design features include economy mode as standard which extends compressor life and significantly reduces on going running costs.



## Contact Information:

**Parker Hannifin Manufacturing Limited**  
domnick hunter Filtration and Separation Division  
Dukesway, Team Valley Trading Estate  
Gateshead, Tyne and Wear  
England NE11 0PZ

**Tel: +44 (0)191 402 9000**  
**Fax: +44 (0)191 482 6296**  
**Email: [gasgen@parker.com](mailto:gasgen@parker.com)**  
**[www.parker.com/dhfn](http://www.parker.com/dhfn)**

## Product Features:

- **Complete 'Plug and Play' system specifically designed for critical analytical applications**
- **Produces a continuous supply of 99.999% purity nitrogen 24 hours a day**
- **Integral oil free compressor, with advanced noise reduction technology**
- **Eliminate inconvenient and potentially dangerous nitrogen cylinders**
- **Compact, reliable with minimal operator attention and maintenance**
- **Economy mode as standard; increases compressor life**

## Product Selection

Model	Flow Rate	Purity*	Inlet Air 8 to 9.9 bar (116 to 143 psi)	Outlet Pressure		Integral Compressor
	L/min	%	L/min	bar g	psi g	
UHPN2-550	0.55	>99.9995	33	5	72.5	NO
UHPN2-550C	0.55	>99.9995	n/a	5	72.5	YES
UHPN2-750	0.75	>99.9995	33	5	72.5	NO
UHPN2-750C	0.75	>99.9995	n/a	5	72.5	YES
UHPN2-1500	1.5	>99.9995	117	5	72.5	NO
UHPN2-1500C	1.5	>99.9995	n/a	5	72.5	YES
UHPN2-3000	3.0	>99.9995	117	5	72.5	NO
UHPN2-3000C	3.0	>99.9995	n/a	5	72.5	YES

\*Purity with respect to oxygen

Note: Add suffix 'E' for 207-253V 50/60Hz ie. UHPN2-750-E  
Add suffix 'W' for 103 -126V 60Hz ie. UHPN2-750-W

## Technical Data

Ambient Temperature Range	15 - 25°C / 59 - 77°F
Inlet Air Quality†	Clean dry compressed air ISO8573-1:2001 Class 2.-.1
Supply Voltage Range	103 - 126V 60Hz / 207 - 253V 50/60Hz
Port Connections	Inlet† Outlet UHPN2 550 & 750 Outlet UHPN2 1500 & 3000
	1/4" Compression Fitting 1/8" Compression Fitting 1/4" Compression Fitting

†Non compressor models only

## Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight (with compressor)		Weight (without compressor)	
	mm	in	mm	in	mm	in	kg	lb	kg	lb
UHPN2-550, 550C, 750, 750C	869	34.2	345	13.6	417	16.4	50	110	44	97
UHPN2-1500, 1500C, 3000, 3000C	869	34.2	345	13.6	667	667	93	205	84	185

## Preventative Maintenance

Preventative Maintenance Kit UHPN2-550, 550C, 750, 750C	Part Number	Change Frequency
Filter kit non compressor models	606272551	12 Months
Filter kit - compressor models	606272553	12 Months
Compressor kit 230V	606272577	8,000 hours or 24 months (which ever comes first)
Compressor kit 120V	606272579	8,000 hours or 24 months (which ever comes first)

Preventative Maintenance Kit UHPN2-1500, 1500C, 3000, 3000C	Part Number	Change Frequency
Filter Kit non compressor option	606272551	12 Months
Filter Kit compressor option	606272555	12 Months
Compressor Kit 230V	606272581	8,000 hours or 24 months (which ever comes first)
Compressor Kit 120V	606272583	8,000 hours or 24 months (which ever comes first)

## Optional Extra's

Description	606272551	Required for
Installation kit	IK7694	Suitable for all UHP nitrogen generators