



Carrier gas

The mobile phase of gas chromatography requires a carrier gas. Parker understands that purity of a carrier gas is essential, as contaminants can cause column damage and inaccuracies in detection results.

We provide gas generation for frequently used carrier gases, such as hydrogen and nitrogen, providing you with a dry, high-purity, oxygen-free and chemically inert gas, that is both consistently available and cost-efficient.



H-MD

Using proven PEM cell technology, Parker domnick hunter H-MD range generators produce a continuous supply of high-purity hydrogen, for use as carrier gas, on-demand from de-ionized water and electricity. This model works at low pressure and with minimal stored volume, offering you added safety.

- Continuous supply of 99.99995% purity hydrogen
- Precision engineered - simple installation and operation
- Compact design - save space in your laboratory
- Minimal maintenance - maximum uptime and low running costs
- Optimum safety and reliability - innovative intelligent control software and alarms
- Easy to manage - control a number of generators from one central PC

Note: Also suitable for use as fuel gas

UHP-N2

Featuring proven, advanced technology and engineered to the highest standard, Parker UHP-N2 generates a continuous stream of ultra high-purity nitrogen. Ideal for carrier gas applications, it is fully approved for use by major instrumentation manufacturers, giving you complete peace of mind.

- Continuous supply of ultra high-purity nitrogen at 99.9999% purity
- Engineered to ensure maximum reliability and minimal operator attention
- Compact design - requires minimal space in your laboratory
- Advanced noise reduction technology - a quieter working environment
- Economy mode - significantly reduced running costs and increased compressor life
- Single plug & play unit - saves you valuable time
- With or without an integral compressor

Note: Also suitable for use as make-up gas

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	
UHPN2-750	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	116	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 ISO8573-1:2010 Class 1.-.1
Supply Voltage Range	104 - 127V 60Hz 207 - 253V 50/60Hz
Port Connections	Inlet* 1/4" Compression Fitting Outlet UHPN2 750 1/8" Compression Fitting Outlet UHPN2 1500 & 3000 1/8" 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
UHPN2-750, 750C	869	34.2	345	13.6	417	16.4	50	110	44
UHPN2-1500, 1500C, 3000, 3000C	869	34.2	345	13.6	667	26.3	93	205	84

Preventative Maintenance

Preventative Maintenance Kit UHPN2-750, 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 (whichever comes first)
Compressor Kit 120V	606272579	8,000 hours or 24 months (whichever 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 Extras

Description	Part Number	Required for
Installation Kit	IK7694	Suitable for all UHP nitrogen generators