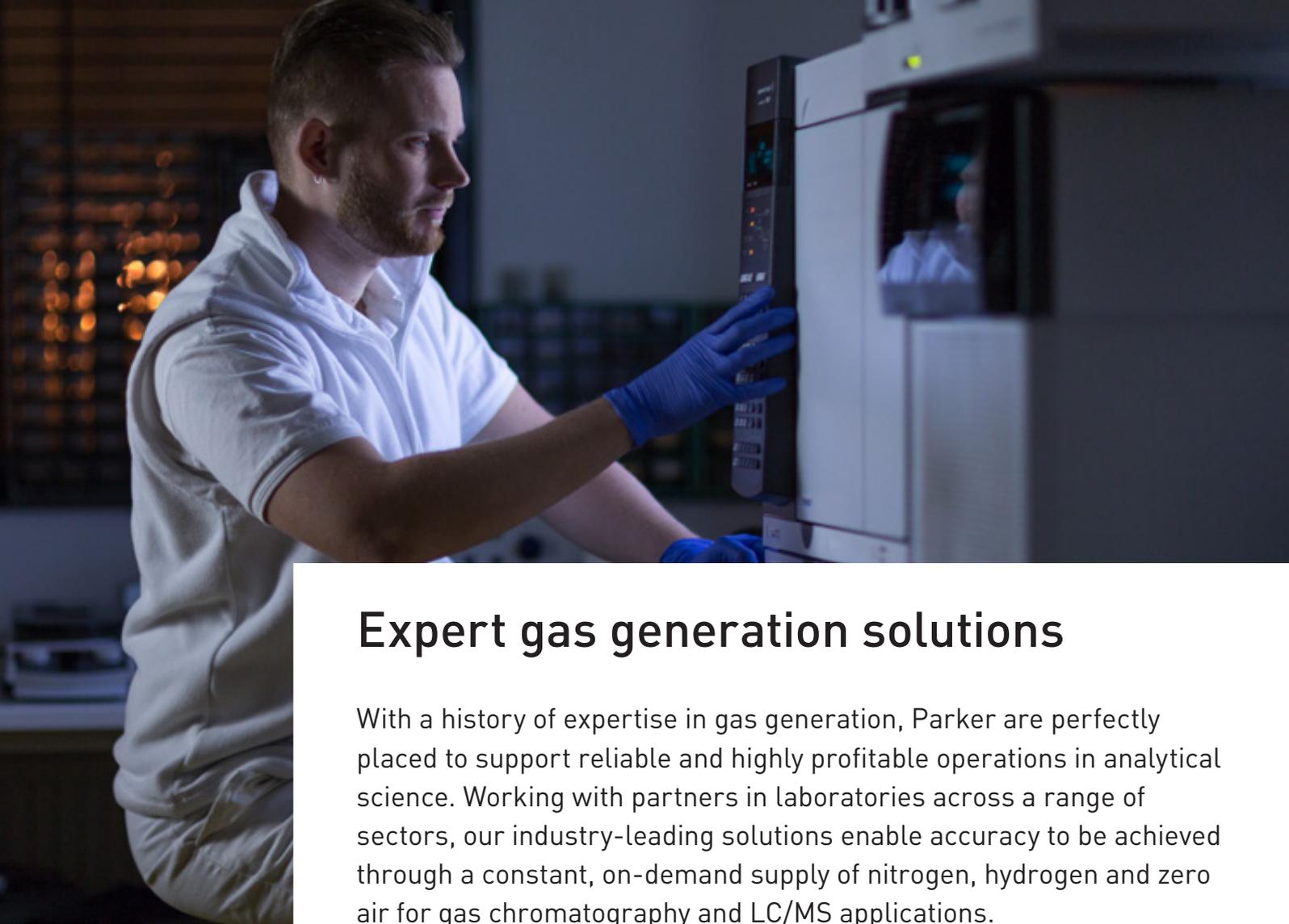




LIQUID CHROMATOGRAPHY MASS SPECTROMETRY PRODUCT CATALOGUE



ENGINEERING YOUR SUCCESS.



Expert gas generation solutions

With a history of expertise in gas generation, Parker are perfectly placed to support reliable and highly profitable operations in analytical science. Working with partners in laboratories across a range of sectors, our industry-leading solutions enable accuracy to be achieved through a constant, on-demand supply of nitrogen, hydrogen and zero air for gas chromatography and LC/MS applications.

Offering a wide range of advantages over the traditional cylinder gas supply, gas generators are increasingly becoming the popular choice in many laboratories.

Consistent, reliable purity

The purity of gas from different cylinders can vary, and impurities can be introduced via the pipeline when cylinders are changed. Parker gas generators, however, will prevent variations in quality and supply consistently high-purity gas to ensure extremely sensitive analysis, every time.

Supported by the latest advanced technologies, you can trust Parker gas generators to deliver the reliability and consistency your work demands.

Maximum uptime, minimal downtime

Unlike cylinders and dewars, which can run out mid-process and require re-calibration, generators can produce gas around the clock, 24/7. They also reduce the inconvenience caused by having to carry out inventories, re-order cylinders, arrange collection and delivery and carry out 'leak checks'.

Parker gas generators require quick and simple maintenance, with longer intervals between scheduled services. This means downtime is minimised, so you can enjoy significantly increased uptime and greater opportunity for the throughput of samples for analysis, which will have a positive effect on the profitability of your lab operations.

Continuous supply, available on-demand

A permanently installed solution at the point of use in your work environment, a generator will give you easy access to an unlimited supply of gas. This will always be at the correct pressure, flow and temperature, to improve the stability of your instruments and the accuracy of your results.



A safer choice

High pressure cylinders and dewars are inherently linked to safety issues – from the chance of injury from manual handling to the risk of explosion and gas leaks, which can make the atmosphere potentially explosive or deficient in oxygen.

Gas generators from Parker are a safe alternative, thanks to leak detection technology with 'auto shut off' and integral alarms. They also operate at a fraction of the pressure and have low volumes of stored gas, reducing the potential for harm.

Cost efficient with the lowest lifetime cost

In some cases, you can expect to have recouped the cost of your gas generator in less than one year. There are no hidden charges – such as on-going delivery costs, cylinder rental and storage fees for spares and empty cylinders, maintenance costs are low and part replacement is minimal. Their super high energy efficiency also makes them a cost effective choice.

Global support for your peace of mind

We know that business continuity is vital to your work. That's why we offer a comprehensive package of expert service, care and maintenance across our complete analytical gas systems range, worldwide.

From installation, scheduled maintenance and in very rare cases, emergency assistance, wherever you are, you can trust Parker to give you complete peace of mind.



Point of use nitrogen

The interface between HPLC and Mass Spectrometry requires a constant flow of nitrogen gas. Parker understands that a point of use, constant supply of nitrogen is essential in any lab to increase uptime and sample throughput.

We provide nitrogen gas generators for drying, sheath and nebulizing gas use giving you a dry, high purity nitrogen for use in LC/MS and other applications, that is both consistently available and cost-efficient.



PSA LC/MS NITROGEN GENERATOR

The Parker nitrogen gas generators employ robust, field proven technology to meet the drying, sheath and nebulisation gas requirements of today's latest LC/MS instrumentation. Four models operate at flow rates from 20 L/min to 50 L/min.

The LC/MS generators provide a continuous stream of 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 and technology facilitate maximum instrument uptime, attractive return on investment and proven analytical performance, eliminating the need for other modes of supply.

NITROFLOW LAB

NitroFlow Lab is a self contained generator that produces up to 32 lpm of pure LC/MS grade nitrogen at pressures up to 8 bar. Nitrogen is produced by utilising a combination of compressor and membrane separation technologies. High and low pressure compressors are carefully matched to the hollow fibre membranes to ensure quiet and reliable operation. Oil free compressed air is passed through the unique proprietary hollow fibre membranes which separate the air into a concentrated nitrogen stream.

Typical applications include LC/MS, LC/MS/MS, nebuliser gases for APCI and ESI, ELSD, Turbo Vaps and chemical solvent evaporation. The NitroFlow Lab has been tried and tested by all the major LC/MS manufacturers.

MEMBRANE LC/MS NITROGEN GENERATOR

The Parker membrane nitrogen generators can produce up to 228 lpm of pure LC/MS grade nitrogen at pressures up to 8 bar. Generators are complete systems engineered to transform standard compressed air into a safe regulated nitrogen supply with minimal operator attention.

Typical applications include LC/MS, LC/MS/MS, nebuliser gases for APCI and ESI, ELSD, Turbo Vaps and chemical solvent evaporation. The membrane nitrogen generators have been tried and tested by all the major LC/MS manufacturers.



PSA LC/MS Nitrogen Generator Product Selection

Model	Flow Rate	Purity*	Air Inlet @ 8.5 bar g (123.3 psi g)	Delivery Pressure		Integral Compressor
	L/min	%	L/min	bar g	psi g	
LCMS20-0	20	99,5	70	7	101.5	No
LCMS20-1	20	99,5	n/a	7	101.5	Yes
LCMS30-0	30	99	130	7	101.5	No
LCMS30-1	30	99	n/a	7	101.5	Yes
LCMS40-0	40	99,5	130	7	101.5	No
LCMS50-0	50	99,5	130	7	101.5	No

*Purity with respect to oxygen

Note: Add suffix 'E' for 207-253V 50/60Hz 'W' for 103 -126V 60Hz ie LCMS15-0-W

Technical Data

Ambient Temperature Range	5 - 40°C 41 - 104°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 Outlet / Inlet *	1/4" Compression Fitting

*Non compressor models only

LC/MS-ECOMax Add-on-Module (Optional Extra)

Product	Description	Compatibility	Installation	Height (H)		Width (W)		Depth (D)		Weight	
				mm	in	mm	in	mm	in	Kg	lb
LC/MS-ECOMax-230V	Enables economy mode cycle supplying nitrogen gas only when required, whilst maintaining constant purity	LC/MS20-50 models with and without integral compressor	All required fittings supplied with ECOMax module	103	4.06	303	11.93	408	16.06	7.8	17.2

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight (without compressor)	
	mm	in	mm	in	mm	in	kg	lb
LCMS 20-1	705	28	510	20	826	33	129	284
LCMS 30-1	705	28	510	20	826	33	129	284
LCMS 20-0	705	28	510	20	559	22	89	196
LCMS 30-0	705	28	510	20	760	23	135	298
LCMS 40-0	705	28	510	20	760	23	135	298
LCMS 50-0	705	28	510	20	760	23	135	298

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Filter Kit - all models	606272251	12 Months
Compressor Kit 230V - Option 1 models	606272253	12 Months
Compressor Kit 120V - Option 1 models	606272261	12 Months

Optional Extras

Description	Part Number	Required for
Installation kit	IK7572	Suitable for all LC/MS nitrogen generators

NitroFlow Lab Nitrogen Generator Product Selection

Model	Flow Rate	Purity*
	L/min	%
NitroFlow Lab	32	Up to 99.5 %

*Purity with respect to oxygen and is based on flow. Higher flow results in lower purity. EU and UK chord model number 159.0003848

Technical Data

Ambient Temperature Range	10 - 35°C 50 - 95°F
Electrical Requirements	230VAC- 50Hz
Port Connections	Outlet / Inlet 1/4" G

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
NitroFlow Lab	700	28	310	12	900	35	93	205

Preventative Maintenance

Maintenance Kit Carbon Adsorber	Part Number as is	Frequency as is
Oxygen Sensor	159.005574	36 Months
Compressor 230v/50Hz	159.005575	8000H

THIS IS INCREASED EFFICIENCY

LC/MS Nitrogen Gas Generator

Produces a continuous supply of LC/MS grade nitrogen
Integral oil free compressor, with noise reduction technology
Compact, reliable with minimal operator attention



Parker enables its partners to achieve their gas requirements for drying, sheath and nebulisation of today's latest LC/MS instrumentation. With flow rates from 20 L/min to 50 L/min. The LC/MS generators provide a continuous stream of high purity nitrogen from a single 'plug & play' unit.

This reflect Parker's commitment to our partners by offering innovative design and technology facilitating maximum instrument uptime, attractive return on investment and proven analytical performance.

www.parker.com/gsf



ENGINEERING YOUR SUCCESS.

Compressor-less Membrane LC/MS Nitrogen Generator Product Selection

Model	Flow Rate	Purity*
	L/min	%
N2-14	34	Up to 99.5 %
N2-22	50	Up to 99.5 %
N2-35	75	Up to 99.5 %
N2-45	117	Up to 99.5 %
N2-80	175	Up to 99.5 %
N2-135	233	Up to 99.5 %

*Purity with respect to oxygen. For versions with oxygen analysers add AEU or AUK ie N2-14AEU

Technical Data

Ambient Temperature Range	10 - 35°C 50 - 95°F
Electrical Requirements	None
Port Connections	Outlet / Inlet *
	N2-14 - N2-35
	1/4" NPT
	N2-45 - N2135
	1/2" NPT

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
N2-14	1270	50	400	16	400	16	30	66
N2-22	1270	50	400	16	400	16	42	93
N2-35	1270	50	400	16	400	16	48	98
N2-45	1700	67	610	24	510	20	104	229
N2-80	1700	67	610	24	510	20	104	229
N2-135	1700	67	610	24	510	20	104	229

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Maintenance Kit for N2-14, N2-22, N2-35	MK7572C	6 Months (kit contains one year supply)
Maintenance Kit for N2-45, N2-80, N2-135	75478	6 Months (kit contains one year supply)
Carbon Tower for N2-45, N2-80, N2-135	75344	6 Months

Optional Extras

Description	Part Number
Installation Kit for N2-14, N2-22, N2-35	IK7572
Installation Kit for N2-45, N2-80, N2-135	IK75880

Purity

Generator	N2-14		N2-22		N2-35		N2-45		N2-80		N2-135	
	8 Bar*	100 PSIG*	8 Bar	100 PSIG	8 Bar	100 PSIG						
99,5	9,3	8,1	15,5	13,3	23,9	20,5	50	39	75	59	100	78
99,0	15	13	23,6	20,2	35,4	30,6	67	53	100	79	133	106
98,0	23,9	20,5	35,6	30,7	53,4	46	96	73	144	110	192	147
97,0	32,1	27,6	47,1	40,6	66,9	57,8	117	94	175	141	233	187
96,0	40,1	34,4	58,5	50,4	87,3	75,2	142	114	213	171	283	228
95,0	48,6	42	71	61,2	105,5	90,9	167	134	250	201	333	268

*For more pressures, please request full purity tables.

- Flow rates in SLPM.

- Purity is shown in percent nitrogen. All readings are +/- .5%, for more accurate readings, an oxygen analyzer is recommended.

- All data is based on an operating temperature of 25°C.



Multi-flow gas generators

Some instruments require more than one gas source. At Parker, we have several generators designed to provide a compact, single source for your multiple gas requirements for LC/MS applications.

We have two mixed gas generators, one providing a dual purity and flow nitrogen designed specifically for Agilent QQQ & Q-TOF 6400 and 6500 instruments. The other providing zero air and nitrogen for the AB Sciex 6500 series

LC/MS 64/65

The Parker LC/MS64/65 dual flow nitrogen gas generators employ robust, field proven technology to meet the drying, sheath, nebulisation and collision gas requirements of the Agilent Technologies QQQ & Q-TOF instrumentation portfolio.

The LC/MS64/65 generators provide two continuous streams of high purity nitrogen from a single 'plug & play' unit. All Models are equipped with an integral oil free compressor, are extremely quiet in operation, and fully approved for use by major instrumentation manufacturers.

Innovative design and technology facilitate maximum instrument uptime, attractive return on investment and proven analytical performance, eliminating the need for other modes of supply.

NITROFLOW TG2

The Parker NitroFlow TG2 is a self-contained gas generator that produces up to 80 lpm of pure LC/MS grade gases.

Designed for LC/MS instruments that require a three gas mix, zero air is produced at pressure above 110 psig for Gas1 and Gas2 needs. Nitrogen is produced at pressure above 80 psig for curtain cad gas and exhaust dry air is produced at pressure above 80 psig.

All gases are generated using a combination of a scroll compressor carefully engineered with nitrogen and gas dehydration membranes. The output gases are then purified using a proprietary series of unique purifiers, polishers and getter materials. This combination of Parker technologies yield the highest performing, most reliable and most quiet integrated TriGas generation system available.

LC/MS 64/65 Duel Flow Nitrogen Generator Product Selection

Model	Flow Rate		Purity*		Air Inlet @ 8.5 bar g (123.3 psi g)	Delivery Pressure		Integral Compressor
	Drying, sheath & Nebulisation Nitrogen	Collision cell Nitrogen	Drying, sheath & Nebulisation Nitrogen	Collision cell Nitrogen		bar g	psi g	
	L/min	ml/min	%	%	L/min			
LCMS64-1	18	200	>98	>99.999	n/a	6.8	98.6	Yes
LCMS65-1	30	200	>98	>99.999	n/a	6.8	98.6	Yes

*Purity with respect to oxygen

Note: Add suffix 'E' for 207-253V 50/60Hz ie LCMS64-1-E Add suffix 'W' for 103 -126V 60Hz ie LCMS64-1-W

Technical Data

Ambient Temperature Range	5 - 40°C 41 - 104°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	Outlet / Inlet 1/4" Compression Fitting

*Non compressor models only

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
LCMS64-1	705	28	510	20	826	32	143	315
LCMS65-1	705	28	510	20	826	32	143	315

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Filter Kit	606272251	12 Months
Compressor Kit 230V - Option 1 models	606272253	12 Months
Compressor Kit 120V - Option 1 models	606272261	12 Months

Optional Extras

Description	Part Number	Required for
Installation kit	IK7572	Suitable for all LC/MS nitrogen generators

NitroFlow TG2 Product Selection

Model	Flow Rate			Atmospheric Dewpoint	
	Nitrogen Curtain Cad	Zero Air Gas 1, Gas 2	Exhaust Dry Air	°C	°F
	L/min	L/min	L/min		
NitroFlow TG2	20 @ 5.5 bar g	30 @ 7.5 bar g	30 @ 5.5 bar g	-50	-58

Note: Add suffix 'NA' for 208-230V 60Hz. Add suffix 'WD' for 230V 50Hz

Technical Data

Ambient Temperature Range	10 - 35°C 50 - 95°F
Supply Voltage Range	208-230 VAC, 60 Hz, 1 Phase, 14A (1) (2) 230 VAC, 50 Hz, 1 Phase, 13A (1) (2)
Port Connections	Outlet / Inlet 1/4" gas tubing

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
NitroFlow TG2	109	43	53	21	86	34	185	407



High purity point of use nitrogen

Some instruments and applications require higher purity nitrogen. Where purity is critical, Parker generators offer security in a constant, high purity flow of nitrogen.

Our HPN2 and UHPZN2 generators provide gas with purities to suit collision and curtain gas, as well as other applications requiring 99.5% and above purity.



HPN2

The Parker nitrogen gas generators employ robust, field proven technology to produce high purity nitrogen for life science, chemical analysis and spectroscopy applications. Flow rates range from 5 to 12.5 lpm, with purities from 99.8 to 99.999%.

The generators provide a continuous stream of 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.

UHPZN2

An industry leading dual gas generator, the UHP-ZN2 delivers nitrogen and zero air for make-up gas applications. Producing ultra high-purity nitrogen from standard compressed air, with <0.1 ppm hydrocarbon content, it will enable you to achieve the most accurate results.

- Continuous supply of ultra high-purity, organic free nitrogen
- Engineered to ensure maximum reliability and minimal operator attention
- Compact design – requires minimal space in your laboratory
- Noise reduction technology - a quieter working environment
- Integral heated catalyst – ensures carrier grade nitrogen
- 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 carrier gas

HPN2 Product Selection

Model	Flow Rate	Purity*	Inlet air @ 8 to 9.9 bar (116 to 143 psi) **	Outlet Pressure		Integral Compressor
	L/min	%		bar g	psi g	
HPN2-5000C	5	>99.999	n/a	5	72.5	Yes
HPN2-12500	12.5	>99.5%	129	5	72.5	No
HPN2-12500C	12.5	>99.5%	n/a	5	72.5	Yes

*Purity with respect to oxygen

** Model HPN2-12500 min inlet 9 bar (130 psi)

Note: Add suffix 'E' for 207-253V 50/60Hz ie. HPN2-7000-E

Add suffix 'W' for 103 -126V 60Hz ie. HPN2-7000-W

Technical Data

Ambient Temperature Range	15 - 25°C / 55 - 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	Outlet / Inlet * 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
HPN2 range	869	34	345	14	667	26	95	190	86	209

Preventative Maintenance

Preventative Maintenance Kit - all models	Part Number	Change Frequency
Filter kit - non compressor models	606272557	12 Months
Filter kits - compressor models	606272559	12 Months
Compressor Kit 230V models	606272581	8,000 hours or 24 months (which ever comes first)
Compressor Kit 120V models	606272583	8,000 hours or 24 months (which ever comes first)

Optional Extra

Description	Part Number	Required for
Installation kit	IK7694	Suitable for all HP nitrogen generators

UHPZN2 Product Selection

Model	Flow Rate	Purity*		Inlet Air @ 9.0 - 9.9 bar (131 - 143 psi)	Delivery Pressure		Integral Compressor
		ppm organic impurity	%		bar g	psi g	
UHPZN2-1000	1	<0.1 Total Hydrocarbons	>99.9995%	42	5	72.5	No
UHPZN2-1000C	1	<0.1 Total Hydrocarbons	>99.9995%	n/a	5	72.5	Yes
UHPZN2-3000	3	<0.1 Total Hydrocarbons	>99.9995%	52	5	72.5	No
UHPZN2-3000C	3	<0.1 Total Hydrocarbons	>99.9995%	n/a	5	72.5	Yes

*Purity with respect to oxygen

Note: Add suffix 'E' for 207-253V 50/60Hz ie. UHPZN2 - 1000 - E
Add suffix 'W' for 103 - 126V 60Hz ie. UHPZN2 - 1000 - 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	Outlet / Inlet
	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
UHPZN2 range	869	34.2	345	13.6	667	26.3	96	211.6	86	189.5

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Filter Kit - non compressor option	606272561	12 months
Filter Kit - compressor option	606272563	12 months
Compressor Kit 230V	606272581	4,000 hours or 12 months (whichever comes first)
Compressor Kit 115V	606272583	4,000 hours or 12 months (whichever comes first)
Valve Kit - non compressor option	606272575	36 months
Valve Kit - compressor option	606272589	36 months
Catalyst Kit 230V - 3.0 L/min model	606272583	36 months
Catalyst Kit 115V - 3.0 L/min model	606272591	36 months
Fan Kit - non compressor option	606272595	36 months
Fan Kit - compressor option	606272605	36 months

Optional Extras

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



Large flow nitrogen supply

For some laboratories, a central line of nitrogen is the best option to optimise space, cut costs and reduce noise within the laboratory. Parker has worked to create the optimal bulk nitrogen supplier in its NITROSource PSA generator

Parker's NITROSource achieves these aims without compromising purity or reliability and can supply all of a building's laboratories at once. Ideal gas for meeting LC/MS drying, sheath and nebulizing gas needs.

NITROSource

The NITROSource nitrogen gas generators unique design and advanced energy saving technology means less compressed air is needed to generate more nitrogen than any other gas generator currently available. Supported by substantially lower servicing costs, reduced downtime and a longer working life than comparable nitrogen generators, NITROSource offers the most cost-efficient high-flow nitrogen supply available; significantly more affordable and safer than traditional delivery methods of supply, such as gas cylinders and mini bulk storage.

Typical applications include LC/MS, LC/MS/MS, nebuliser gases for APCI and ESI, ELSD, Turbo Vaps and chemical solvent evaporation. NITROSource has been installed in labs and universities around the world.



NITROSource Product Selection

Performance data is based on 7 bar g (100 psi g) air inlet pressure and 20° - 25°C (66° - 77°F) ambient temperature. Consult Parker for performance under other specific conditions.

Model	Nitrogen flow rate m ³ /hr vs Purity (Oxygen Content)											
	Unit	10ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
MIDIGAS2 LAB	m ³ /hr	0.55	1.2	1.5	1.9	2.4	3.4	4.3	5.8	7.2	8.4	9.4
	cfm	0.3	0.7	0.9	1.1	1.4	2.0	2.5	3.5	4.2	4.9	5.5
MIDIGAS4 LAB	m ³ /hr	1.2	2.4	3.2	3.9	4.7	6.9	8.5	11.6	14.3	16.7	18.8
	cfm	0.7	1.4	1.9	2.3	2.8	4.1	5.0	6.8	8.4	9.8	11.1
MIDIGAS6 LAB	m ³ /hr	1.5	3.2	4.2	5.3	6.5	9.5	11.5	15.2	18.7	21.7	24.5
	cfm	0.9	1.9	2.5	3.1	3.8	5.6	6.8	8.9	11.0	12.8	14.4
N2-20P	m ³ /hr	4.5	8.0	9.7	11.1	12.4	17.7	21.3	25.3	29.8	30.9	33.7
	cfm	2.6	4.7	5.7	6.5	7.3	10.4	12.5	14.9	17.5	18.2	19.8
N2-25P	m ³ /hr	6.8	12.0	14.6	16.7	18.6	26.6	32.0	38.0	44.7	46.4	50.6
	cfm	4.0	7.1	8.6	9.8	10.9	15.7	18.8	22.4	26.3	27.3	29.8
N2-35P	m ³ /hr	9.0	16.0	19.4	22.2	24.8	35.4	42.6	50.6	59.6	61.8	67.4
	cfm	5.3	9.4	11.4	13.1	14.6	20.8	25.1	29.8	35.1	36.4	39.7
N2-45P	m ³ /hr	11.3	20.0	24.3	27.8	31.0	44.3	53.3	63.3	74.5	77.3	84.3
	cfm	6.7	11.8	14.3	16.4	18.2	26.1	31.4	37.3	43.8	45.5	49.6
N2-55P	m ³ /hr	13.5	24.0	29.1	33.3	37.2	53.1	63.9	75.9	89.4	92.7	101.1
	cfm	7.9	14.1	17.1	19.6	21.9	31.3	37.6	44.7	52.6	54.6	59.5
N2-60P	m ³ /hr	15.0	26.6	32.3	36.9	41.2	58.9	70.8	84.1	99.1	102.7	112.1
	cfm	8.8	15.7	19.0	21.7	24.2	34.7	41.7	49.5	58.3	60.4	66.0
N2-65P	m ³ /hr	17.1	30.4	36.9	42.2	47.1	67.3	80.9	96.1	113.2	117.4	128.1
	cfm	10.1	17.9	21.7	24.8	27.7	39.6	47.6	56.6	66.6	69.1	75.4
N2-75P	m ³ /hr	18.6	33.1	40.2	46.0	51.3	73.3	88.2	104.7	123.4	127.9	139.5
	cfm	10.9	19.5	23.7	27.1	30.2	43.1	51.9	61.6	72.6	75.3	82.1
N2-80P	m ³ /hr	20.7	36.8	44.6	51.1	57.0	81.4	98.0	116.4	137.1	142.1	155.0
	cfm	12.2	21.7	26.3	30.1	33.5	47.9	57.7	68.5	80.7	83.6	91.2

m³ reference standard = 20°C, 1013 millibar(a), 0% relative water vapour pressure.

Technical Data

Ambient temperature range	5 - 50°C
Nitrogen outlet pressure	up to 11 bar g
Air inlet pressure	6 to 13 bar g
Air Inlet Quality	Pressure Dewpoint
	-40°C
	Particulate
	<0.1 micron
	Oil
	<0.01 mg/m ³
Supply Voltage Range	103 - 126V 60Hz 207 - 253V 50/60Hz
Port Connections	Outlet / Inlet
	G ¹ / ₂ / G1

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
MIDIGAS2 LAB	1034	41	450	18	471	19	98	216
MIDIGAS4 LAB	1034	41	450	18	640	26	145	320
MIDIGAS6 LAB	1034	41	450	18	809	33	196	432
N2-20P	1894	75	550	22	881	35	299	659
N2-25P	1894	75	550	22	1050	41	384	847
N2-35P	1894	75	550	22	1219	48	469	1034
N2-45P	1894	75	550	22	1388	55	553	1219
N2-55P	1894	75	550	22	1557	62	638	1407
N2-60P	1894	75	550	22	1726	68	722	1592
N2-65P	1894	75	550	22	1895	75	807	1779
N2-75P	1894	75	550	22	2064	81	892	1967
N2-80P	1894	75	550	22	2233	88	976	2152



Global support

The leading provider of gas systems for the analytical instrument market, Parker provide gas generators that specifically meet the stringent requirements for all the leading analytical instrument manufacturers.

Working with partners in laboratories across the world, in a variety of sectors, our gas solutions fulfil a complex need, yet are engineered for ease of use. They enable accuracy to be achieved through a reliable, on-demand supply of high-purity hydrogen, nitrogen and zero air.

Reliable, dependable and durable

With the largest installed base of gas generators worldwide – in excess of 50,000 – our technology has earned an enviable global reputation for quality and reliability.

Using our range of patented technologies, Parker generators offer a range of unique performance benefits. These include near silent operation, few moving parts and minimal operator attention – with safety and cost efficiency as standard.

For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor.



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