



NMG - 3000 Nitrogen Membrane Generators (LCMS)



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net



>> Features:

- 99.7% Nitrogen
- Easy to use
- 4 pre-filtration stages
- Long life membrane
- Low cost of ownership
- Virtually maintenance free

>> Applications :

- LC-MS
- Gloveboxes
- Tank Purging
- Metal sparging
- HPLC

Nitrogen generators from ATL Instruments are designed with longevity in mind. The NMG series uses membrane technology to provide up to 99.7% nitrogen with a continuous, high flow rate.

Not all nitrogen generators are the same inside. All NMG series generators have three particle filters resulting in very low stress on the smallest. The hollow fibre membrane is designed and engineered by ATL Instruments.

Not all nitrogen genrators are the same on the outside. All NMG generators feature flowmeter, gas inlet and outlet pressure, flow adjustment and shut-off valve on the front of the generator. Compare this ease of use to other manufacturers.

An integral compressor risks heat and/ or vibration and/or condensation affecting both the quality of the gas and the lifetime of the system. ATL Instruments approach is to use a remote compressor or in-house compressed air supply.

Low cost of ownership and minimal maintenance is the result. There are no moving parts and an occasional filter check/change is all that is required. Extended warranty agreements and expensive service contracts are a thing of the past.

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The NMG series is available in 4 standard capacities designed to run one, two, four or six LC-MS instruments. Larger capacities are built on request.

Different fittings and outlets are available to make the nitrogen generator instantly compatible with the LC-MS. ATL Instruments nitrogen generators have been successfully installed on all leading manufacturer instruments.

Features	NMG 3011 <i>1 LC-MS</i>	NMG 3022 <i>≤ 2 LC-MS</i>	NMG 3033 <i>≤ 3 LC-MS</i>	NMG 3044 <i>≤ 5 LC-MS</i>	NMG 3068 on request
Purity ¹⁾	99.7 %	99.7 %	99.7 %	99.7 %	99.7 %
Max Flow & Pressure	30L/min 7-	70 L/min 7-	105 L/min 7-	120 L/min 7-	150 L/min 7-
	10bar	10bar	10bar	10bar	10bar
Pressure Drop	Max. 0.2 bar	Max. 0.2 bar	Max. 0.2 bar	Max. 0.2 bar	Max. 0.2 bar
Electrical Power	None	None	None	None	None
Supply					
Out-let & Pressure	Up to 3	Up to 6	Up to 9	Up to 12	Up to 15
Regulator					
Dimensions	96x 40 x 40	120 x 40 x 40			
(h x w x d)					
cm					
Weight (kg)	32	43	49	56	65
Connections N ₂ -	multiple out-	multiple out-	multiple out-	multiple out-	multiple out-
Outlet ²⁾	lets ¼" or 6mm	lets ¼" or 6mm	lets ¼" or	lets ¼" or	lets ¼" or
			6mm	6mm	6mm
Connections	10mm, others	10mm, others	10mm, others	10mm, others	10mm, others
Air-Inlet ³⁾	on request	on request	on request	on request	on request

Purity of Nitrogen	NMG 3011	NMG 3022	NMG 3033	NMG 3044	NMG 3068
	Flow rate in SI/min				
99.7%	11	22	33	44	68
99%	12	30	45	60	88
98%	17	42	65	84	125
97%	23	52	84	104	145
96%	28	67	103	120	150

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HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicin	g:HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most
	affordable cost.
Trainings	:We also take up preventive Maintenace to reduce downtime of HPLC's Trainings.
AMC's/ATL	:AMC's/ATL :We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshoot-
	ing.
Validations	:Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

:Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent. Instruments



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Optima Gas

Chromatograph

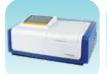
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Analyzer



Flash

Chromatograph







Liquid Partical Counter





Water purification system

























Laser Particle Size Analyzer

Micro Plate Reader/Washer

URINOVA 2800 Urine Analyzer

Ion Chromatograph

Atomic Absorption Spectrophotometer



Total Organic Carbon 3800

Regulatory compliances



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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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