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SLS in the UK & Ireland

Introducing
the NEW

LAB PRO

Gas & Liquid Nitrogen Generators

Brought to you by

SCIENTIFIC LABORATORY SUPPLIES

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SCIENTIFIC LABORATORY SUPPLIES

Introducing the new SLS Lab Pro gas and liquid nitrogen (LN2) generators – exclusively available from Scientific Laboratory Supplies in the UK and Ireland!

The demand for on-site generation is growing, with a shift in focus on ensuring continuity of supply by reducing exposure to external influences whilst adhering to sustainability measures. By generating gas and liquid nitrogen supply on-site, there is a great elimination in the transportation of these gases and liquids around the country. At SLS, we are always attuned to our customers' needs and are delighted to be the exclusive supplier of the SLS Lab Pro product range of gas generators – including nitrogen and zero air, oxygen and industrial gas – along with liquid nitrogen generators, GasTrap purifiers and turn-key options.

We have unrivalled experience and knowledge of nitrogen gas generators, with 1000's running world-wide including turn-key project solutions.

Contact us today or visit our website to view the range and see how we can help your laboratory.

For more information, please contact:
slsinfo@scientific-labs.com
or visit **scientificlabs.co.uk/generators**

Definitions

Pure Air: Pure air has no precise meaning; it is commonly considered to be air which is free of dust, aerosols and reactive gaseous contaminants of anthropogenic origin.

NL/min: Normal air litre per minute at 20ºC and 1bar.

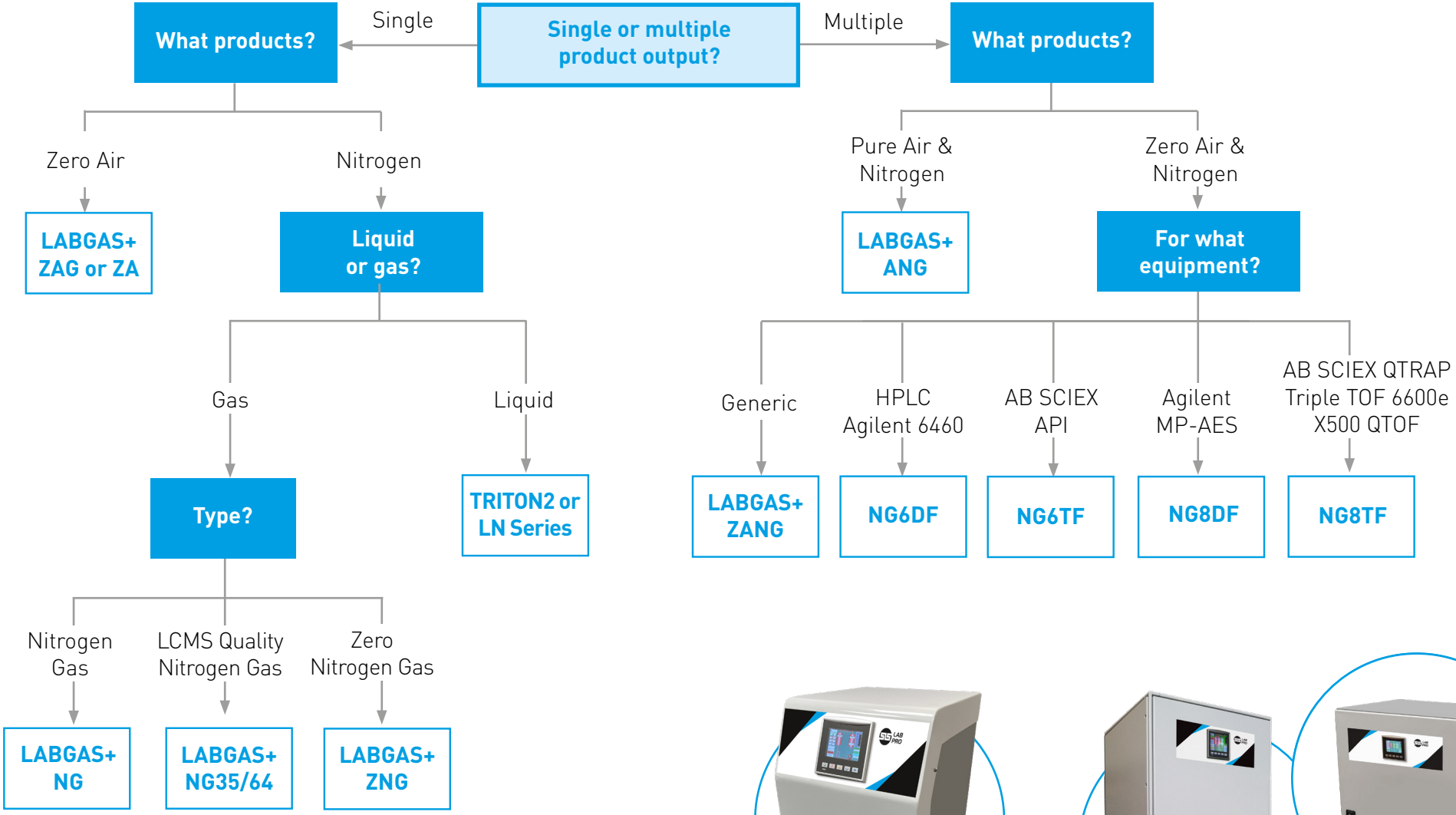
PSA Technique: Pressure swing adsorption, a specific adsorbent material is used to trap specific gas at high pressure, then releases that gas when the pressure is lowered.

Zero Air: Atmospheric air specifically cleaned so that it contains less than 0.1ppm of hydrocarbon impurities.

Zero Nitrogen Gas: Nitrogen gas that contains less than 0.1ppm of hydrocarbon impurities.

LAB PRO

Use the flowchart below to help find the range you're looking for...



Nitrogen & Air Gas Generators

LABGAS+ NG

LABGAS+ NG range utilise the PSA technique of separating nitrogen and oxygen to produce high quality nitrogen gas up to 35NL/min and purity of 98 – 99.9995%.

Code	Model	Description
SLS6010	NG1-0	1.0NL/min, 99.9995% purity
SLS6012	NG1-1	1.0NL/min, 99.9995% purity with internal oil-free air compressor
SLS6014	NG3-0	3.0NL/min, 99.9995% purity
SLS6016	NG3-1	3.0NL/min, 99.9995% purity with internal oil-free air compressor
SLS6018	NG5-0	2.5 to 12.0NL/min, 98 to 99.9995% purity
SLS6020	NG5-1	2.5 to 12.0NL/min, 98 to 99.9995% purity with internal oil-free air compressor
SLS6022	NG6-0	6.0 to 35.0NL/min, 98 to 99.9995% purity
SLS6024	NG6-1	6.0 to 35.0NL/min, 98 to 99.9995% purity with internal oil-free air compressor

LABGAS+ ANG

LABGAS+ ANG range utilises the PSA technique of separating nitrogen, oxygen and water to produce high quality pure air and nitrogen gases. N_2 is produced up to 3.0NL/min at 99.9995% purity. Pure air is produced up to 3.0NL/min.

Code	Model	Description
SLS6026	ANG1-0	1NL/min N_2 and 1.5NL/min pure air
SLS6028	ANG1-1	1NL/min N_2 and 1.5NL/min pure air with internal oil-free air compressor
SLS6030	ANG3-0	3NL/min N_2 and 3NL/min pure air
SLS6032	ANG3-1	3NL/min N_2 and 3NL/min pure air with internal oil-free air compressor

Introducing the NEW Range of SLS Lab Pro Gas & Liquid Nitrogen Generators

LABGAS+ NG35/64

LABGAS+ NG35/64 utilises the PSA technique of separating nitrogen and oxygen to produce LCMS quality nitrogen gas up to 64NL/min and purity 98–99.9%.

Code	Model	Description
SLS6056	NG35	25 to 35NL/min, 99 to 99.9% purity with internal oil-free air compressor
SLS6058	NG64	45 to 64NL/min, 98 to 99.5% purity with internal oil-free air compressor

LABGAS+ NG6/8 DF/TF

LABGAS+ NG6/8 DF/TF utilise the PSA technique of separating nitrogen and oxygen to produce 2/3 streams of high quality air and nitrogen gas specifically to meet the demands of a range of instruments.

Code	Model	Description
SLS6062	NG6DF	Designed for use with HPLC agilent 6460 instrument
SLS6064	NG6TF	Designed for use with AB SCIEX API instruments
SLS6066	NG8DF	Designed for use with Agilent MP-AES instruments
SLS6068	NG8TF	Designed for use with AB SCIEX QTRAP, triple TOF 6600e, X500 QTOF instruments

LABGAS+ ZANG

LABGAS+ ZANG range utilises the PSA technique of separating nitrogen, oxygen and water combined with a heated catalyst to produce high quality zero air and nitrogen Gases. Zero nitrogen gas is produced up to 3.0NL/min at 99.9995% purity. Zero air is produced at 3.0NL/min.

Code	Model	Description
SLS6034	ZANG1-1	1NL/min N_2 and 1.5NL/min zero air with internal oil-free air compressor
SLS6036	ZANG3-1	3NL/min N_2 and 3NL/min zero air with internal oil-free air compressor

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LABGAS+ ZNG

LABGAS+ ZNG utilises the PSA technique of separating nitrogen and oxygen combined with a heated catalyst to produce high quality zero nitrogen gas up to 3.0NL/min and 99.9995% purity.

Code	Model	Description
SLS6038	ZNG1-0	1.0NL/min
SLS6040	ZNG1-1	1.0NL/min with internal oil-free air compressor
SLS6042	ZNG3-0	3.0NL/min
SLS6044	ZNG3-1	3.0NL/min with internal oil-free air compressor

LABGAS+ ZAG

LABGAS+ ZAG utilises the PSA technique of separating moisture from the air combined with a heated catalyst to produce high quality zero air up to 50NL/min.

Code	Model	Description
SLS6046	ZAG1-1	1.5L/min
SLS6048	ZAG3-1	3.0L/min
SLS6050	ZAG6-1	6.0L/min
SLS6052	ZAG10-1	10.0L/min
SLS6054	ZAG50-1	50.0L/min

ZA Series

The zero air generator series use a heated catalyst to produce high quality zero air up to 30NL/min with <0.05ppm hydrocarbon content.

Code	Model	Description
SLS6124	ZA.1500	1.5L/min
SLS6126	ZA.3000	3.0L/min
SLS6128	ZA.6000	6.0L/min
SLS6130	ZA.15000	15L/min
SLS6132	ZA.30000	30L/min

Oxygen Gas Generators

Medical O_2

The magna medical O_2 series generators use the PSA technique of separating nitrogen to produce medical grade oxygen gas up to 81.2Nm^3/hr at 93% purity.

Available on request

Industrial Gas Generators

Maximus Range

The maximus and maximus lite series generators use the PSA technique of separating nitrogen and oxygen to produce high quality nitrogen gas up to 148Nm^3/hr and between 95 and 99.9995% purity.

Available on request

Magna Twin Tower System

The magna range use the PSA technique of separating nitrogen and oxygen to produce high quality nitrogen gas up to 989.2Nm^3/h and between 95 and 99.9995% purity.

Available on request

GasTrap Purifiers

GasTrap purifiers are an alternative to disposable gas filters capable of reducing impurities by a factor of 20. They are available for purifying nitrogen, helium, air and nitrogen, argon and air. They are designed for use in analytical devices such as gas chromatography, mass spectrometry, Liquid chromatography - mass spectrometry and Evaporative light scattering detector.

Available on request

Introducing the NEW Range of SLS Lab Pro Gas & Liquid Nitrogen Generators

Liquid Nitrogen Generators

LN

The LN series generators use the PSA technique of separating nitrogen and oxygen and either air or water cooling to produce liquid nitrogen up to 2.70L/hr and >99% purity, with up to 210L storage.

Code	Model	Description
SLS6146	LN20AC Compact	0.84L/hr, 35L tank, air cooling
SLS6148	LN20AC	0.84L/hr, 50L tank, air cooling
SLS6150	LN20	0.84L/hr, 50L tank, water cooling
SLS6152	LN30AC	1.25L/hr, 100L tank, air cooling
SLS6154	LN30	1.25L/hr, 100L tank, water cooling
SLS6156	LN65AC	2.70L/hr, 210L tank, air cooling
SLS6158	LN65	2.70L/hr, 210L tank, water cooling

Site LN Series

The site LN series generators use the PSA technique of separating nitrogen and oxygen and either air or water cooling to produce liquid nitrogen up to 40L/hr and >99% purity, with up to 2000L storage.

Available on request

TRITON2

The TRITON2 series generators uses the PSA technique of separating nitrogen and oxygen and air cooling to produce liquid nitrogen up to 10L/day and >99% purity. TRITON2 offers 20L storage, while TRITON2+ offers 50L storage.

Code	Model	Description
SLS6142	TRITON2	0.42L/hr, 20L tank
SLS6144	TRITON2+	0.42L/hr, 50L tank

SLS6152

NEW

SLS6142

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LAB PRO **NEW**

Gas & Liquid Nitrogen Generators

Exclusively available from SLS in the UK & Ireland

- Switch to on-site liquid or gas nitrogen generation and take control of your supply chain
- With a small footprint, achieve significant time, cost and carbon footprint savings
- One of the most advanced and intelligent systems available

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