

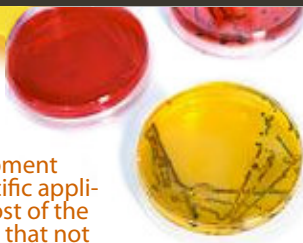


Nitrogen
_Atomic Number: 7
_Atomic Weight: 14.0067
_Melting Point: 63.15 K (-210.00°C or -346.00°F)
_Boiling Point: 77.36 K (-195.79°C or -330.44°F)

PURGE GAS GENERATORS

▼ PG14-85L_
// 14-85_max_flow_rate
// input_dependent_outlet_pressure

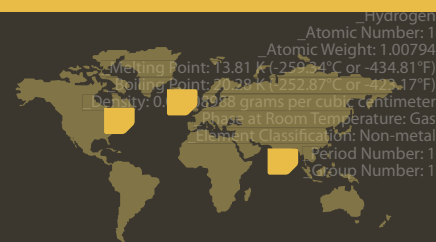
Peak Scientific Instruments is an international company focussed on producing and supporting high quality Gas Generators for the analytical instrument market.



With more than 10 years experience specializing in the development and production of laboratory Gas Generators designed for specific applications, Peak Scientific Instruments has worked closely with most of the world's leading instrument manufacturers to produce products that not only meet their requirements but also to provide the user with a consistent, safe and cost effective supply of gas on-site in the laboratory.

You can therefore be confident that your Peak Scientific Instruments Gas Generators has already been evaluated and approved by your instrument supplier to provide optimum performance, leaving you to concentrate on more important aspects of your work.

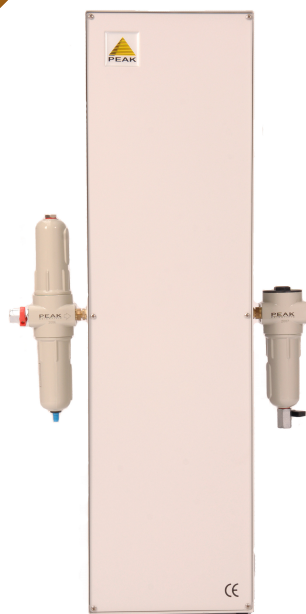
Pre-failure maintenance is the best way to avoid any interruption to the normal flow of work in your laboratory, for further peace of mind and to minimize instrument downtime, Peak Scientific Instruments can offer a range of Generator Service Plans via an extensive network of engineers and technical support wherever you are.



Features & Benefits

- Experience ▶
_more than 10 years of experience in the industry
- Simple Installation ▶
_Generator designed as plug & play system
- Economical ▶
_more cost effective than gas bottles/ cylinders
- Convenient ▶
_24/7 uptime, if required
_Wall mountable
_No health hazards
_No need to worry

The PG14-85L



The PG14-85L Generators produce up to 85l/ min of clean, dry Carbon Dioxide free air. This is achieved using pressure swing absorption with an 'Active Formula' molecular sieve. Carbon Dioxide and water vapour are trapped and vented during the production cycle and purified air is available on demand.

The systems offer quiet continuous operation and are designed to meet flow specifications of all FT-IR Spectrometers, improving signal to noise ratio and cleaner backgrounds in a shorter period of time to provide more accurate analysis. The generators will also protect the beam splitter from corrosion by moisture and there will be no delay in operation while the instrument is being purged.

The option to mount the Generator on a wall, ensures valuable laboratory space is available for other laboratory equipment. With minimal maintenance requirements and a compact and portable design, we are confident that it will provide you with the total solution to your gas requirements.

The Generators are simple to install and users can relax in the knowledge that this range of Peak Generators can be supported by one of the Peak Product Support Options which are available on request.



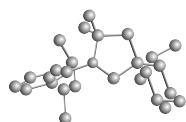
THE QUEEN'S AWARDS FOR ENTERPRISE 2007



THE QUEEN'S AWARDS FOR ENTERPRISE 2004

//The safer solution to your total gas requirements_

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- ▼ PG14-85L_
 - // 14-85_max_flow_rate
 - // input_dependent_outlet_pressure

PURGE GAS GENERATORS

Technical Specifications

	PG14L	PG28L	PG85L
Max Flow Rate @100psi (l/min/scfm)	14/0.5	28/1	85/3
Carbon Dioxide Concentration (ppm)	< 1.0	< 1.0	< 1.0
Pressure Dewpoint	- 70C / - 94F	- 70C / - 94F	- 70C / - 94F
Output Filtration	0.01 µm	0.01 µm	0.01 µm
Min-Max Inlet Pressure (psi)	100 -120	100 - 120	100-120
Max Inlet Air Temperature	25C / 77F	25C / 77F	25C / 77F
Inlet/ Outlet Port	1/4"	1/4"	1/4"
Electrical Req. 220-240VAC/ 120VAC	80mA	80mA	80mA
Dimensions (cm/ in) WxDxH	25x16x66 9.8x6.3x26	25x16x90 9.8x6.3x35.4	32x20x103 13x8x40
Weight (kg/ lbs)	18.5 / 41	20.5 / 45.1	35 / 77

- ▶ Peak Part Numbers
- PG14L
 - _45-1010 - 100/240 vac
 - _45-1030 - Pneumatic
- PG28L
 - _45-1060 - 100/240 vac
 - _45-1091 - Pneumatic
- PG85L
 - _45-1130 - 220 vac
 - _45-1120 - 110 vac



Features & Benefits

- ▶ Clean, dry Carbon Dioxide free air
 - <1.0 ppm CO2 content
- ▶ Simple & User Friendly design
 - Ease of Use
 - Minimal Maintenance
- ▶ Convenient
 - 24/7 uptime, if required
 - Wall mountable
 - No health hazards
 - No need to worry about running out of gas
- ▶ Mobile
 - Flexibility to position generator where required



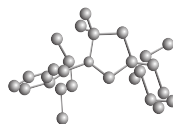
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