

We provide analytical gas systems for your laboratory instruments.

NitroFlow Lab

The Parker Balston 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 utilizing a combination of compressor and membrane separation technologies.

- Complete "Plug and Play" system recommended by all major LC/MS manufacturers.
- Produces a continuous supply of nitrogen for all LC/MS application.
- Phthalate-free, no organic vapors.
- Eliminate dangerous nitrogen cylinders from the laboratory.
- 8,000 hours compressor warranty.



Hydrogen Generators

Deionized water and an electrical supply is all that is required to generate hydrogen for weeks of continuous operation. Optional automatic water-feed is available for remote installations or where minimal operator attention is required.

- Designed to run 24 hours a day.
- Compact, reliable and minimal maintenance.
- One generator can supply 99.9995% pure fuel gas for up to 12 FID's or several GC's with carrier gas.



High Purity Nitrogen Generators

The Parker Balston Ultra High Purity (UHP) Nitrogen Generators are engineered to transform standard compressed air into a safe supply of 99.999% pure nitrogen.

- Produces a continuous supply of high purity nitrogen 99.999% for ICP-OES.
- Ideal for Optical Purge, extends analysis into the far UV range below 170 nm.
- Designed to run 24 hours a day.
- Integral oil free compressors, with noise reduction technology.



TOC Gas Generators

The Parker Balston Total Organic Carbon (TOC) gas generators are a complete system with carefully matched components engineered for easy installation, operation and long term reliability. They are designed to transform standard compressed air into safe supply of hydrocarbon free (<0.05ppm), dry (-73C), CO2 free (<1ppm) carrier gas.

- Designed to run continuously 24 hours a day.
- Purity meets or exceeds all TOC manufacturer's gas purity requirements.
- Ensures consistent, reliable TOC analysis.
- Eliminate dangerous high pressure oxygen and nitrogen gas cylinders from the laboratory.



Zero Air Generators

The Parker Balston Air Generator can produce up to 30,000 ml/min of high purity zero grade air. Compressed air is pre filtered down to 0.01 micron and then purified using a state-of-art combined heated catalyst module.

- Payback period is typically less than one year.
- Silent operation and minimal operator attention required.
- Models available to service up to 75 FID's .
- Increases the accuracy and repeatability of analysis.
- Produce UHP Zero Air from house compressed air (<0.05 ppm THC).



Nitrogen Generators

The Parker Balston ELSD (Evaporative Light Scattering Detector) nitrogen generator can produce up to 8 lpm of nitrogen at pressures up to 8 bar. The generator is engineered to transform standard compressed into a safe regulated supply of nitrogen with minimal operator attention.

- Produces a continuous supply of high purity nitrogen as a nebulising gas for ELSD.
- Eliminate dangerous nitrogen cylinders from the laboratory.
- Phthalate-free, no organic vapors.
- Compact design, minimal maintenance.
- No noise, no moving parts, no electrical requirements.



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