PRODUCT DATASHEET

Nitrogen Generator for LC-MS

35 L/min bench-top nitrogen supply for LC-MS





DETAIL – CONTROL DISPLAY

OVERVIEW

The Tech Inc. Nitrogen Generator for LC-MS (model TI-N2-35) makes nitrogen from room air and delivers up to 35 L/min to a liquid chromatography–mass spectrometry (LC-MS) instrument. It replaces cylinders and dewars with a steady, on-demand supply at the bench. We design and build each generator around proven hollow-fibre nitrogen modules and oil-free compressors from leading makers, and every unit comes with a yearly service plan.

MODELS AND CONFIGURATIONS

- **TI-N2-35** – LC-MS nitrogen generator delivering up to 35 L/min.
- **Bench-top or under-bench** – the same unit stands on the bench or beneath it.
- **One or more instruments** – one unit per instrument, or several units for a shared laboratory supply.

TYPICAL DESIGN DATA

Nitrogen flow	Up to 35 L/min, or to client specification
Nitrogen purity and outlet pressure	To the LC-MS instrument specification
Separation	Hollow-fibre nitrogen membrane modules
Air supply	Built-in quiet oil-free compressor drawing room air
Utilities	Mains power to client specification
Electrical safety	Designed to IEC 61010-1 or client specification
Service	Yearly service plan with filter changes and performance checks

APPLICATIONS

LC-MS nebuliser and desolvation gas, pharmaceutical and biotech laboratories, food and environmental testing, contract research and testing laboratories, and refinery and petrochemical laboratories.

KEY ADVANTAGES

- **No cylinders at the bench** – no deliveries, changeovers or cylinder handling
- **Steady supply** – nitrogen on demand, with no sequence halted by an empty cylinder
- **Membrane separation** – a simple flow path, with no adsorbent beds to switch
- **Quiet operation** – an oil-free compressor in an acoustic cabinet suited to the laboratory
- **Yearly service plan** – preventive maintenance included with every generator

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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