

G-stem

Laboratory Nitrogen Gas Generator

G-stem is a dedicated laboratory nitrogen generator optimized for precision analytical instruments including LC/MS, LC/MS/MS, and ELSD. Designed to eliminate cylinder dependency, it delivers high-purity nitrogen continuously and stably, improving laboratory efficiency, safety, and analytical reliability.

KEY FEATURES & BENEFITS

High-Purity Nitrogen ($\leq 99.5\%$)

Continuously supplies nitrogen at high purity, minimizing instrument signal variance and ensuring reproducible analytical results.

Low-Noise Operation (≤ 50 dB)

Engineered for quiet operation and low vibration, making it perfectly suitable for shared laboratory spaces without disruption.

Space-Efficient Design

Compact footprint designed for under-bench installation, freeing up valuable floor and bench space for other critical equipment.

Cost-Effective & Safe

Removes external cylinder replacement costs, handling risks, and safety concerns, delivering significant long-term savings.

PRODUCT SPECIFICATIONS

Parameter	G-stem 35	G-stem NZ	G-stem 10
Flow rate	N ₂ 35 L/min	N ₂ 12 L/min Air 24 L/min Air 8 L/min	N ₂ 10 L/min
Purity	$\leq 99.5\%$	$\leq 99.5\%$	$\leq 99.5\%$
Max Pressure	100 psi	N ₂ 80 psi Air 110 psi Air 60 psi	60 psi
Dimensions (WxDxH)	600×750×670 mm	900×600×700 mm	600×750×670 mm
Noise Level	≤ 50 dB	≤ 50 dB	≤ 50 dB
Applications	LC/MS (All Major Brands)	SCIEX, Shimadzu	ELSD, CAD Detectors
Pictures			

Proven Reliability & Manufacturing Excellence

Premium Components : Built with components sourced to the highest specification standards, ensuring performance on parts with leading global brands.

20+ Years of Expertise : Backed by Goojung EnT's two decades of specialized experience in supplying and servicing laboratory gas generators.

Validated Technology : The core nitrogen generation technology is already robustly proven, embedded within our TCS PRO (Total Sample Concentration System) workflows.