

The Gas Management Problem

GAS GENERATOR TECHNOLOGY FOR LAB INSTRUMENTATION



How can I reduce the risks and costs of supplying gas for my lab's gas chromatographs?

Historically, gas cylinders go hand-in-hand with the operation of gas chromatography instruments. The laborious routine of managing gas cylinder inventories is accepted as a necessary evil by every lab manager. Gas storage, handling, and associated costs are all daily challenges that must be addressed when choosing to go the traditional cylinder route. Safety issues are an on-going challenge when factoring in the possibility of leaks as well as the hazards of transporting the cylinders from the receiving dock to their final destination.



Gas generators have become the preferred method of supplying high-purity gases to laboratory instruments.

With the addition of benchtop gas generators, chromatographers can now eliminate hydrogen, zero air, and nitrogen gas cylinders from the laboratory. In fact, expensive helium cylinders can also be eliminated by switching to hydrogen as the carrier gas, allowing GCs to operate completely independent of high-pressure cylinders.

VICI DBS offers a complete line of gas generators to match every instrument's gas requirement. VICI DBS gas generators require very little maintenance and are designed to operate 24/7 with minimal operator attention. VICI DBS zero air and UHP nitrogen generators produce high-purity gas from house compressed air, while hydrogen generators generate UHP hydrogen from deionized water. On-site service is available for completely hassle-free ownership. Experienced sales specialists can assist in specifying the best gas generator or system for every laboratory application. For over 30 years, VICI DBS has proudly served the laboratory market with the most innovative and highest-quality gas generator solutions. Instruments that can benefit from a VICI DBS gas generator include: GC, GCMS, LCMS, TOC, NMR, FTIR, AA, TGA, DSC, and Evaporators.

The VICI DBS NM Plus hydrogen generator product line offers 9 models with flow capacities up to 1350 cc/min. At 99.99996+ % purity, multiple GC-FIDs can satisfy their Fuel and Carrier gas needs with one system. Micro dryer purification technology eliminates the need to replace desiccants that are commonly found on competitive systems. Automatic water fill, multiple instrument load balancing, remote PC monitoring, and built-in safety controls are all features of the VICI DBS system. With the best-in-class 2-year cell warranty, you can buy knowing your lab is receiving the industry's best quality and support.



To learn more, visit: www.vicidbs.com