PREVENT BUSINESS DISRUPTIONS
BY MANAGING YOUR HELIUM USAGE

The Measure of Confidence

Agilent Programmable Helium Conservation Module

Helium has long been the carrier gas of choice for GC and GC/MS analyses. However, the global helium shortage has reduced the availability – and increased the cost – of helium gas, jeopardizing the day-to-day operations of labs that depend on gas chromatography.

Unfortunately, it is not always feasible to convert helium methods to alternate carrier gases. Because method revalidation following a carrier gas change disrupts your workflow – consuming time, money, and labor – conservation provides a better solution.

Reduce your helium consumption with Agilent's *automated* and *user-programmable* helium conservation module

Agilent's Programmable Helium Conservation Module helps your lab avoid the high costs and productivity pitfalls associated with changing to an alternate carrier gas. Built around Agilent's 5th generation of Aux Electronic Pneumatic Control (EPC) flow control, the module bridges two EPC channels to deliver a single carrier gas flow to the GC. This allows you to use helium for your GC runs, and switch to an alternate gas (such as nitrogen) when your GC is idle. A third EPC channel serves as a purged vent to prevent cross-contamination of gases.

In addition, the module is fully programmable using the sleep/wake functions of the OpenLAB CDS system control software.

Ready to go:

Systems built with the Agilent Programmable Helium Conservation Module reflect industry standards and our stringent quality control process:

Factory
- System setup and configuration
- Leak testing/performance verification
- Instrument checkout

Delivery
- Instrument manuals
- Recommended method parameters for sleep/wake operation with the Agilent 7890B GC system

Installation
- Hardware performance verification

Agilent Technologies

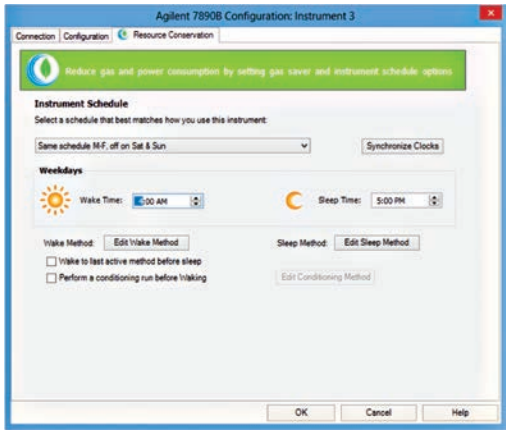
Ease the pain of the helium shortage

Configure your Agilent Analyzer or GC system with programmable helium conservation

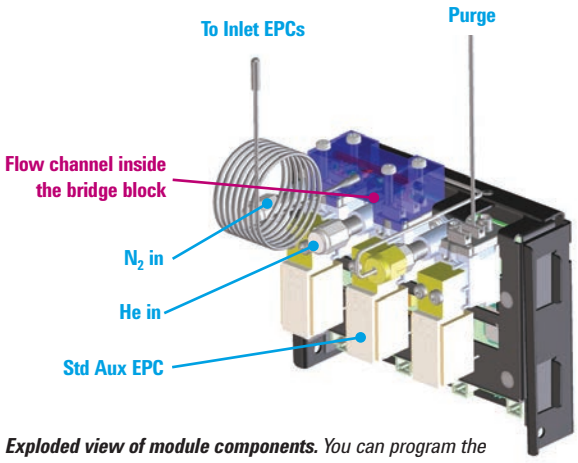
Our Programmable Helium Conservation Module works with the gas saver functions of Agilent 7890-based GC, GC/MS, and GC/MS/MS systems. Benefits include:

- **Less workflow disruption:** The Helium Conservation Module extends the life of helium tanks by up to 30 times, reducing the frequency of replacement – and the risk of missed deliveries
- **Seamless integration:** Carrier gas ID and set points are part of your analytical method for easy compliance and transfer
- **Greater reliability:** The 7890B GC alerts you if system set points are not reached
- **Rapid transition:** Switch from nitrogen standby to helium carrier is 15-30 minutes, depending on the GC detector
- **Safe operation:** Hydrogen carrier users can switch to nitrogen during system standby
- **Better analytical precision:** The module acts as an intermediate pressure regulator from the tank to the inlet EPC

The Helium Conservation Module accommodates inlet pressures up to 80 psi, and maximum flow rates of 1.0 L/min at 80 psi.



Intuitive sleep/wake screens *in OpenLAB CDS make it easy to save helium gas and energy.*



Exploded view of module components. *You can program the module to automatically change the carrier gas to nitrogen when your GC is not in operation.*

Put your laboratory on the analytical fast track

Contact your local Agilent Representative or Agilent Authorized Distributor at **www.agilent.com/chem/contactus**

Or call **800-227-9770** (in the U.S. or Canada)

Or visit **www.agilent.com/chem/appkits**

Ordering information:

Order an Agilent Analyzer or 7890B GC (with or without an Agilent 5977A Series MSD), and specify the following option:

SP1 7890-0623 Programmable Helium Conservation Module

Printed in U.S.A., April 30, 2013
5991-2256EN

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