



# Agilent New Products



## Renewable Gas Purification System

The Renewable Gas Purification System from Agilent not only traps large quantities of contaminants and lasts a long time, but it is also recyclable. With average use, you'll only have to purchase a replacement cartridge once per year or after approximately 20 cylinders' worth of purification. When you need a replacement, you have the option to purchase a new or recycled cartridge. Recycled cartridges are refilled and certified to the full specification of the new cartridges.

- Agilent's highest capacity and most economical purification system
- All cartridges are environmentally friendly and reduce waste
- High capacity – 850cc or more Oxygen filtration, 12g H<sub>2</sub>O, and approximately 8g hydrocarbon filtration per cartridge – in a compact footprint
- Improves 99.995% gas purity to 99.9995% purity
- Dual indicators make it easy to see the purification results
- Labeling displays indicator color and shape for accurate reading
- Simple twist on/off knob and guide rod make cartridge changes quick and easy
- One Renewable Purifier system can support up to four GC systems
- Designed with efficiency, safety, and environmental responsibility in mind
- All replacement cartridges include return packaging and instructions



Renewable gas purification system (left) and recycled cartridge (right)



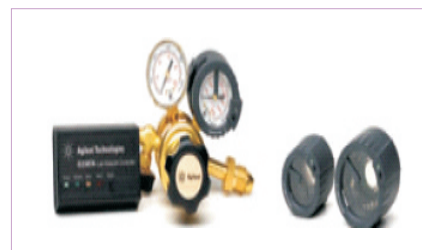
## Low Gas Alarm System

The Low Gas Alarm System is a safe, reliable, and economical tool that audibly and visually alerts the operator when a gas cylinder's pressure reaches a user-defined level. The system attaches to the existing regulator gauge and senses the needle as it reaches the predetermined alert level. The system indicates low pressure regardless of cylinder size, gas contained or regulator used. The Low Gas Alarm System is available in standalone or wireless versions. It fits 2.0 and 2.5 inch regulator gauges.

- Protects loss of valuable sample and sample prep time
- Ensures uptime by identifying low gas level
- Eliminates gas-related surprises

### Standalone

- Safe, non-invasive design eliminates hazards such as high voltage and high pressure
- Uses a low voltage, low current battery
- Easy to install and maintain; attaches to existing regulator gauge



Low Gas Alarm System with LNC

### Wireless

The wireless Low Gas Alarm System features all of the benefits of the standalone version plus:

- Uses wireless chip to communicate gas level to the Laboratory Network Controller (LNC)
- Features unique identifier so LNC can display individual status for each system
- Alerts user to alarm state with audible and visual indicators on LNC or pop-up software



Low Gas Alarm System, 2.0 and 2.5 in.



*New*

## Precision Gas Flow Meter

Agilent's Precision Gas Flow Meter is the ultimate gas flow meter for chromatography applications. This hand-held flow meter incorporates industry leading performance and features a highly accurate and reliable package. The inherent stability of the rugged, solid state components allows us to provide the longest calibration interval on the market, all traceable to NIST standards.

- Highly accurate and reliable measurement of common carrier and fuel gases used in GC, including nitrogen, air, carbon dioxide, hydrogen, helium, and argon/methane
- Two year guaranteed calibration period traceable to NIST standards
- Measures flow based on gas viscosity properties with an accuracy of  $\pm 0.8\%$  of reading + 0.2% of full scale
- Flow rate range from 5-500 mL/min
- Displays mass flow, volumetric flow, temperature, and pressure readings simultaneously
- Can be plumbed inline



Precision gas flow meter, 5067-0223

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## Gas Leak Detector

Gas leaks can cause detector noise and baseline instability, shorten column life and waste expensive carrier gas. Liquid leak detectors, although inexpensive, can contaminate your system. Agilent's G3388A electronic leak detector is an easy way to quickly identify leaks in your system and prevent system downtime.

- Detects thermal conductivity differences
- Fast detection - 1 second
- Audible and visual alerts
- Minimum detection limit - 0.01 mL/min. hydrogen and helium
- Lightweight - only 310 grams
- Small - roughly 2.5 in. x 1.5 in. x 5.75 in
- Rechargeable NiMH battery with over 5 hours of life
- Agilent sourced and approved power supply
- One year warranty from Agilent



Gas leak detector, G3388A

*New*

## Agilent MS Certified Liners

Agilent MS Certified Split and Splitless Liners are manufactured and tested to our highest level of scrutiny to assure reproducibility. We have built years of experience into the MS Certified Liners to provide the quality and consistency needed for critical applications, especially those using esterification agents for trace level analysis such as toxicology or drugs of abuse applications.

- Geometrical dimensions and tolerances of the glass are controlled by Statistical Process Control (SPC) with 100% Go-No-Go check.
- Glass wool is pre-qualified with mass spectrometry, then inserted using a unique manufacturing procedure to improve reproducibility.
- Deactivated MS Certified Liners are treated with Agilent's proven proprietary deactivation process developed to last longer than other commercially available treatment.
- Random samples of MS Certified Liners are tested using both FID and MSD analysis of challenging probes to evaluate acid/base deactivation, response linearity, peak symmetry, and bleed and background noise.
- Each Agilent MS Certified Liner is traceable by the lot codes silk screened on the liner.



MS certified split liner, 5188-6576

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