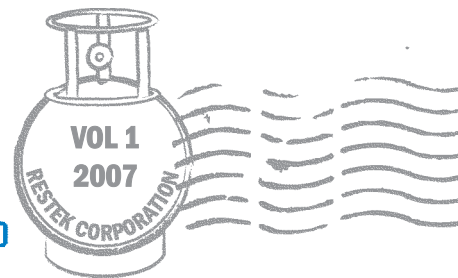


RESTEK AIRMAIL



Welcome to the first edition of Restek Airmail!

We hope to provide noteworthy information on innovative new products, tech tips, and upcoming events related to air monitoring. In addition, we welcome customer input on items of interest to other air monitoring laboratories. Please send your comments to my attention at irene.degraff@restek.com.

Irene DeGraff
Product Marketing Manager



TO-Can™

(SUMMA® Canister)

The Gold Standard for Ambient VOC Sampling.

Introducing...

A Second Canister Valve Option

Swagelok® SS4H Bellows-Sealed Canister Valve

- All metal flow path prevents sample adsorption, giving more accurate results.
- Unique serial number on each valve for complete traceability.
- Withstands temperatures of up to 300°C.
- Rugged performance in the field.
- Fast delivery from Restek!



Restek now offers Swagelok® SS4H canister valves on our TO-Can™ canisters. These 1/4-inch, 2-port valves are bellows-sealed for durability and meet all EPA requirements for air monitoring by methods TO-14 and TO-15.

Description	qty.	1 Liter	3 Liter	6 Liter	15 Liter
		cat.	cat.	cat.	cat.
TO-Can™ Canister with 1/4" Swagelok® SS4H Bellows-Sealed Valve	ea.	22105	22106	22107	22108
Description	qty.	cat.			
Replacement 1/4" Swagelok® SS4H Bellows-Sealed Valve	ea.	24148			

TO-15 Gas Calibration Standard

We are pleased to announce that our TO-15 gas calibration standard now consists of 64 components. Because of increased interest, acrolein [107-02-8] and methyl methacrylate [80-62-6] have been added to the previous 62 component mix with no increase in cost to you.

TO-15 64 Component Mix

In nitrogen, 104 liters @ 1,800psi
1ppm cat. # 34436

In nitrogen, 104 liters @ 1,800psi
100ppb cat. # 34437



Pi-Marked Gas Cylinders Now Available for EU Countries

Our new Pi-marked gas standards from Scott Specialty Gases meet the requirements of the Transportable Pressure Equipment Directive (TPED) implemented in 2001 that regulates the safe transport of pressurized containers used throughout the European community. Simply add “-PI” to any part number of the gas standards in our catalog.



Tech Tips

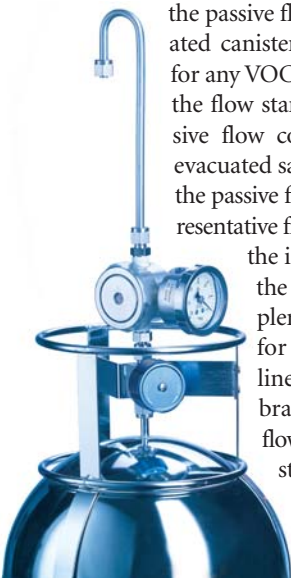
Is Your Flow Controller Really Clean?

In addition to cleaning and certifying your air canister, it is equally important to clean components of the sampling train that may have become contaminated during sampling. The flow controller, attached orifice, and filter may be cleaned by either of these two methods:

1. Disassemble, clean with methanol (no sonication), dry at 130°C, or
2. Heat assembled components while purging with nitrogen.

Robert Lacaillade, Environmental Analyst at Vermont Air Pollution Control Division, has this suggestion regarding the introduction of potential contaminants into your passive sampling train:

“Flow calibration checks for passive flow controllers require the flow standard to be connected upstream of the passive flow controller so air is drawn through the flow standard prior to entering the passive flow controller into a “dummy” evacuated canister. This design provides the potential for any VOC contaminants that may be present in the flow standard to be introduced into the passive flow controller and subsequently into the evacuated sample or blank canisters connected to the passive flow controller. This can lead to unrepresentative field or blank sample results. To prevent the introduction of VOC contaminants to the passive flow controller/canister sampler, a multi-bed glass sorbent tube (used for TO-17 applications) is connected in-line between the outlet of the flow calibration device and the inlet of the passive flow controller as a scrubber. The flow standard-sorbent tube assembly is leak-checked prior to use.”



Now Available!

Performance Testing VOC Audit Sample Program for TO-14/TO-15

A new Performance Testing/VOC Audit Sample Program, in cooperation with Spectra Gases, is now available from Restek. This is an on-going testing program in which laboratories, or other users of VOC standards, are able to evaluate their own capabilities and compare their performance with that of other air toxic labs. As a participant in the program, you will receive a disposable cylinder directly from Spectra Gases containing multiple unknown TO-14A/TO15 components at varying concentrations that are to be identified, quantified, and reported via the Spectra Gases PT Audit Program form. The results will then be published anonymously and distributed for peer review. To provide statistical analysis, the audit sample will be shipped to all labs at the same time, once a year during the fourth quarter. Don't miss out on this opportunity to confirm your competence in air toxic analysis—order now to participate!

TO-14/TO-15 Performance Test Mix

170 liters @ 2015psi

cat. # 34560

TO-Clean Canister Cleaning System From Wasson-ECE Instrumentation

TO-Clean is a revolutionary canister cleaning system developed by Wasson-ECE Instrumentation. The TO-14/15 compliant TO-Clean system was designed to take the guesswork out of canister cleaning. The twelve 6-liter canister capacity will increase your lab's efficiency. The system is fully automated, allowing the user to start a cleaning cycle and walk away. Using the touch screen controller, up to ten custom methods can be defined and loaded as needed. The system also comes with an automated leak-check method to ensure system performance. This provides a high performance system that is easy to use as well as consistent.



for more info

To learn more about The TO-Clean canister system, visit Wasson-ECE Instrumentation's web site at: www.wasson-ece.com/airmonitoring.html

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