ENTECH INSTRUMENTS

See What's Really There™

2.5L

AIR SAMPLING SILONITE-XL CANISTER

Reliable, Durable, Efficient and more Versatile than other Vacuum Sampling Canisters

Save space and increase productivity with this next generation Silonite-XL™ coated sampling canister

SiLONITE-XL™ INERTNESS PERFECTED

Introducing the Entech 2.5L Silonite-XL Sampling Canisters

Entech is introducing a new canister that is large enough to meet low level TO-15/TO-15A detection limits, yet more compact and efficient than 6L canisters. The 2.5L Silonite-XL Sampling Canister was designed to save lab space and reduce shipping costs without sacrificing analytical sensitivity and accuracy. When performing time integrated sampling to within 2-8mm Hg of atmospheric pressure, Entech's 2.5L Silonite-XL canister contains 1900 - 2330 mL of sample, which is plenty to withdraw the TO-15A recommended volume of 250mL "3 times" using an Entech 7200, 7200A Fast GCMS, or Cryogen-Free 7200CTS preconcentrator. Considering the Entech CS1200E combined with the Flow Professor Calibrator can consistently fill a canister to within 2-5 inches Hg of atmospheric pressure, sample volumes collected will be over 2100cc. In addition, since the CS1200E7 can fill a 6L canister over a 1 month period, the same flow controller can be calibrated by the Flow Professor to fill a 2.5L canister over 2 full weeks, and the E4+ and E6 versions can fill the 2.5L canisters over a 24 hour or 1 week period, respectively. Therefore, Entech 2.5L canisters offer a large enough volume to perform long sample integration times while providing plenty of sample for multiple analyses, which should meet the requirement of virtually any air lab. The 2.5L canister is only 5.2" in diameter, rather than the 9" consumed by 6L canisters, which not only saves lab space but allows as many as nine of the 2.5L canisters to ship in the same box used to ship just four 6L canisters.

SILONITE-XL™
INERTNESS PERFECTED

The Silonite™ Advantage

Entech is continuing to improve on the number one canister coating available, and recent advancements have further improved compound storage life and cleanability of our latest Silonite coated canisters. Silonite will NOT degrade over time like unlined electropolished only canisters, and is far more like the inside of a GC column, providing optimum stability of the greatest range of compounds possible. The latest Silonite coating is ready for the challenges of meeting the more stringent US EPA Method TO-15A requirements. Don't take a risk using anything else!!!

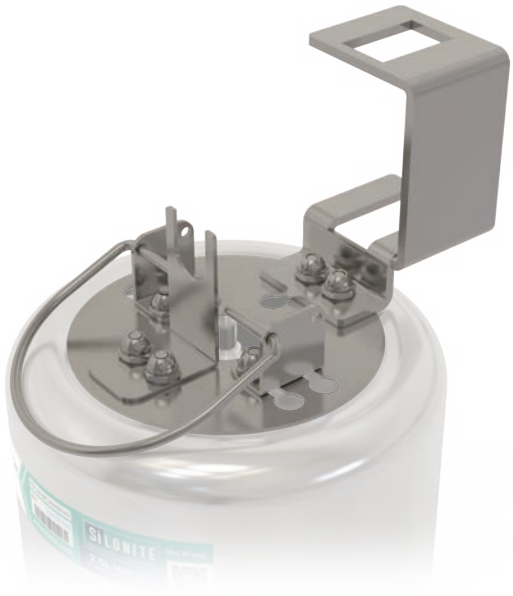
Silonite/Silonite-XL

Silonite™ Coating (Thickness: 40-100 nm)

Uncoated Can Exposing samples to metal oxides which are more reactive/adsorptive

Totally Configurable, Flexible Design

Entech has further optimized the 2.5L Silonite-XL canister by designing a new tooling plate at the top of each 2.5L canister that provides more options for valves, valve brackets, and accessories. In addition, a tool-free adapter attaches in a couple of seconds to allow compatibility with the 7016D Canister Autosampler. The new Entech 2.5L canister with the flexible tooling plate (patent pending) allows labs to customize their canisters to meet their preferences like never before. Add or change handle styles...no problem. Supply protection for MQT fittings, you can do that too! When you get used to all the options available for the new 2.5L canister, you won't want to even consider the old approach.



Description	Unit	Part #
Canisters		
2.5L Canister Silonite-XL™ TrueSeal™ Valve	EA	29-10252
2.5L Canister Silonite-XL™ TrueSeal™ & Compound Gauge	EA	29-10252VG
2.5L Canister w/ Micro-QT Valve	EA	29-10251QT
2.5L Canister w/ Silonite™ Micro-QT Valve	EA	29-10252QT
2.5L Canister w/ Micro-QT Valve & Compound Gauge	EA	29-10251QTG
2.5L Canister w/ Silonite™ Micro-QT Valve & Compound Gauge	EA	29-10252QTG
Additional Options		
Low-Profile Micro-TQ for TrueSeal™ Valve	EA	MQT-ST400
Low-Profile Silonite™ Micro-TQ for TrueSeal™ Valve	EA	MQT-ST400S
2.5L Canister Bracket for 7016D Autosampler	EA	19-27060

Maximizing Laboratory Workflow While Optimizing Lab Space

The SkyCan™ combined with the new 2.5L Silonite-XL Canister are a one-two punch for meeting the new EPA TO-15A requirements. The SkyCan™ canister autosampler truly optimizes sample throughput in today's canister analysis laboratory, transforming the old way of doing things to an approach that now more closely resembles other environmental laboratory operations, where samples/vials are placed in autosamplers on top of the GCMS. The single inlet line on the SkyCan™ really maximizes run to run consistency, and represents by far the shortest inlet line length of any canister autosampler on the market. This line is even vacuum cleaned "between every sample analysis", bringing reliability to a whole new level. When combined with the Entech "Fast GCMS" 7200A, or cryogen free 7200CTS, the SkyCan creates the lowest carryover and overall lowest background solution available.

As for throughput, the SkyCan automates the analysis of up to 36 of the new 2.5L canisters. What other system can analyze up to 36 samples unattended, with only a 2 foot transfer line from the canister sample to the preconcentrator, while using zero bench space??? Answer - none. As for the need to often retest every canister to validate cleanliness before reuse, the ability to run 36 cans is a huge boost to canister lab workflow. And why improve on canister throughput if you can only clean 12 canisters at a time? Entech's new 3132D Canister Cleaning System can now clean 32 2.5L canisters at one time, in one oven. Anything less is now too little.

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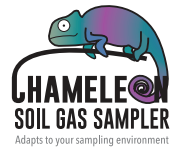

CHAMELEON
Soil Gas Sampling

MICRO-QT™
Valves

SILONITE™
Coating Advantages

MCCTS TRAPS
Multi-Capillary Column Trap

FLOW PROFESSOR
Calibration System

Save space and increase productivity with this next generation Silonite-XL coated sampling canister

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