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Sampling Canister

VOCs analysis has strict quality requirements for instrument components, auxiliary products, especially key components in direct contact with samples. Choosing suitable and high standard instrument components or auxiliary products is not only helpful to prolong the service life of products, but also an indispensable guarantee to obtain objective, accurate and stable analysis data. Based on this, Nutech provides quality assurance for users with factory supporting products/consumables spare parts to ensure that users get a good operating experience.



Sampling Canister

Specifications:
0.45/1/3/6/15L

Canisters are used for the collection of TO-14 and TO-15 compounds, as well as all other air samples. The canisters are the most important part of the whole air VOC analysis.



Tedlar Bag

Specifications:
0.5/1.0/3.0/5.0/10.0L

DuPont PVF material, excellent chemical resistance, solubility and pollution resistance, strong acid and alkali resistance, normal temperature, not affected by conventional solvents, suitable for industrial waste gas sampling.



Standard Gas

Type: TO14、TO15、PAMS、IS/SS

Specifications: 1.0PPM、6A、1700psi

Brand: Linde®

Traceable to NIST, quality assurance, and configurable according to requirements.



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Technical Data

Specifications	0.45/1/3/6/15L
Material	316L Stainless Steel
Inner Surface Treatment	Electropolish or Silanization
Maximum Pressure	40psi



Features

1. The canister's inner surface adopts innovative ultra-inert technology (chemical vapor coating) and ultrasonic technology and therefore no adsorption of VOCs to ensure sample stability and recovery. ppb level sulfur, nitrogen compounds and polar (aldehyde, alcohol, ester, ketone, ether, etc.), non-polar compounds can also be collected easily and losslessly, and stored for a long period.
 2. Compatible with all samplers, cleaning systems, gas distribution systems and preconcentration systems on the market. The sampling canisters and valves are made of stainless steel, which is sturdy and durable and can adapt to the harsh field environment.
 3. Good air tightness: pressurize with nitrogen to 30psi and measure and record the initial pressure, then close the sampling canister valve and open the valve after 24 hours, test and record its pressure. The pressure in the canister won't decrease more than 2psi after being placed for 24 hours. The vacuum degree of 50mtorr can be achieved by vacuuming with a vacuum pump.
- Sampling Canister - Nutech Instruments, Inc**
4. Equipped with diaphragm valve, lined with isolation diaphragm, no packing, maximum pressure 250psig; temperature 200 °C, dead volume $5\mu\text{l}$, internal volume 150ul. Super durable design to prevent damage of air tightness due to excessive force. More than 15,000 times of effective opening and closing.
 5. Pressure gauge is optional.



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* in Chinese

- Air Lab Sample Prep Products**
- 8910 Preconcentrator
 - 3610 Autosampler
 - 2104 Canister Cleaning System
 - 2203 Precision Static Dilutor
 - 7000 NMHC Analyzer
- Air/Gas Sampling Products**
- 2703 Automatic Air Sampling Device
 - 2600ST Multifunctional Automatic Air Sampling System
 - 2600GT Carry-on Automatic Multifunctional Sampling System

- Online VOCs Analysis Products**
- 6000-C NMHC Online Analyzer
 - 6000-5D VOCs Online Analyzer
 - PCGC-TOF VOCs Online Analysis System
 - N20 TVOC Online Analyzer
 - 7000 NMHC Analyzer
- Portable VOCs Analysis Products**
- 3000 Portable NMHC Analyzer
- Accessories & Consumables**
- SUMMA Sampling Canister & Standard Gas & Tedlar Bag

Nutech's Product Lines

We offer the most comprehensive VOCs analysis products on the market.

Air Lab Products



Air / Gas Sampling Products



Online VOCs Analysis Products



Portable VOCs Analysis Products



Accessories & Consumables

