

InertSi® Stainless Steel Canisters

◆ Overview

Our canisters are made of 316 stainless steel, and internally coated with a proprietary InertSi® oxygen-silicon compound layer for better preservation of volatile organic compounds (VOCs). The coating effectively minimizes sorptive and catalytic losses of VOCs and sulfur-containing compounds, making them ideal containers for ambient air sampling, source test sampling, and analytical gas standard dilutions.



◆ Features

Designed under the guidance of experienced field technicians and laboratory chemists, InertSi® canisters aim for reliability and straightforwardness, with the following features:

- (1) High quality 316/316L stainless steel
- (2) Electrochemically polished, cleaned, and InertSi® coated
- (3) Standardized volumes: 0.5 L, 1 L, 2 L, 3 L, 6 L, 15 L, 30 L
- (4) Nominal and actual volume differs $\leq 0.5\%$ or 5 cm^3 at 20°C
- (5) Standard $\frac{1}{4}$ " Swagelok compatible connector
- (6) Diaphragm or needle valves for different application needs

◆ Acceptance

Although a relatively new brand, InertSi® canisters have been widely accepted by the air monitoring community, and became the top selling brand in China in 2019. Oversea sales to Korean, Taiwan, and England are quickly expanding. Clients include monitoring agencies, research institutes, VOC instrument producers, and third party commercial labs, such as China Science Academy Labs, Hong Kong Polytechnic University, and SGS International.

