



Restek Air

# Ship Our Rugged Air Canisters at No Extra Cost

Ships for the Same Cost as Other Cans!

- Strong, durable canisters stand up to field conditions.
- Reliable performance without additional shipping expenses.
- Available in 1–15 L sizes.



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## Ship Our Rugged Air Canisters at No Extra Cost

Durability, ease of use, and inertness are among the most important factors customers consider when purchasing new air sampling canisters. Canister weight can also be a concern, so SilcoCan and TO-Can air sampling canisters pack extra strength and reliability into each can. Compared to competitor products, Restek air canisters weigh a mere 320 g (the weight of a smart phone) more but are stronger and easier to use. Take a closer look at the 320 g difference in Table I: Restek's bigger, more comfortable-to-grip valve weighs 60 g more, and the larger and easier-to-read vacuum/pressure gauge accounts for another 10 g, which leaves an extra 250 g of hard-wearing metal that strengthens the sphere and bracket.

So, what are the real-world implications of an extra 320 g? Well, you get a stronger, more durable canister that doesn't cost any more to ship than other canisters. According to expense calculators from major shipping companies, ground postage costs for shipping four canisters would be the same for both sets of canisters. You won't notice an extra 320 g of weight, but you will benefit from the rugged durability it gives Restek air canisters. Try highly inert SilcoCan canisters or general-purpose TO-Can canisters today!

**Table I:** A strong, durable air canister from Restek weighs only grams more than similar products and provides extra strength for the same shipping cost.

	Canister Alone (kg)	Valve Alone (g)	Gauge Alone (g)	Assembled 6 L Canister w/Gauge (kg)	Four Shipping Boxes (kg)	Total Weight of Four Canisters in Shipping Boxes (kg)	Ground Postage from Miami, FL, to Dutch Harbor, AK (U.S.\$)
Restek	2.27	220	90.0	2.58	2.95	13.3	207.74
Entech	2.02	160	80.0	2.26		12.0	

Ship stronger cans for the SAME COST!

## SilcoCan Air Sampling Canisters with RAVE+ Valves

- Siltek-treated canister with optional Siltek-treated valve offers unsurpassed inertness, even for sulfur-containing or brominated compounds.
- High-quality, metal-to-metal seal, ¾-turn valve with stainless-steel diaphragms prevents sample adsorption for more accurate results.
- Canisters and valves made of 304 and 316 stainless steel to withstand the rigors of field work.
- Both 2-port and 3-port valves are available; 3-port valve includes -30" Hg/60 psi vacuum/pressure gauge (other gauges available).
- Featuring the proven long life, leak-free performance, and effortless operation of RAVE+ valves.

For ultimate inertness, SilcoCan air sampling canisters feature our unique Siltek treatment technology. Even highly active components at low parts-per-billion concentrations can be readily sampled and stored without loss. The valve is a high-quality, metal-to-metal seal, ¾-turn valve with metal diaphragms to prevent sample adsorption for more accurate results. Both stainless-steel and Siltek-treated valves are available in both the 2-port and 3-port configurations. Each canister is slightly pressurized with contaminant-free nitrogen prior to shipment.

Whether you are sampling for TO-14A, TO-15, TO-15A, or reactive sulfur compounds, SilcoCan canisters are your best choice for inertness. In Tedlar bags, the stability of low-level (100 ppbv) sulfur volatile organic compounds (VOCs) is poor, even within 24 hours of sampling. Sulfur compounds react with the metal surface in electropolished canisters, so they are unsuitable for collecting and storing low-level sulfur VOCs. SilcoCan air sampling canisters, which feature a Siltek-treated surface, offer excellent storage stability for sulfur VOCs at very low levels (5–20 ppbv) under dry or humid conditions. The versatility of the SilcoCan canister makes it an excellent choice for collecting and storing TO-14A, TO-15, or TO-15A compounds.



**Canisters are the gold standard for ambient VOC monitoring.**

Dimensions/Weights of Air Canisters

Canister Volume	Dimensions: Height x Sphere Diameter	Weight
1 liter	8.5 x 5.25" (21.6 x 13.3 cm)	2.25 lbs (1.02 kg)
3 liter	11.5 x 7.25" (29.2 x 18.4 cm)	3.50 lbs (1.59 kg)
6 liter	12.5 x 9.25" (31.8 x 23.5 cm)	5.75 lbs (2.61 kg)
15 liter	17.0 x 12.25" (43.2 x 31.1 cm)	11.75 lbs (5.33 kg)

Description	Modification	Volume	qty.	cat.#
SilcoCan Canister	2-Port RAVE+ Valve	1 L	ea.	27298 <b>NEW!</b>
	2-Port, Siltek-Treated RAVE+ Valve	1 L	ea.	27299 <b>NEW!</b>
	3-Port RAVE+ Valve with Gauge*	1 L	ea.	27300 <b>NEW!</b>
	3-Port Siltek-Treated RAVE+ Valve with Gauge*	1 L	ea.	27301 <b>NEW!</b>
	without Valve	1 L	ea.	22090
	2-Port RAVE+ Valve	3 L	ea.	27302 <b>NEW!</b>
	2-Port, Siltek-Treated RAVE+ Valve	3 L	ea.	27303 <b>NEW!</b>
	3-Port RAVE+ Valve with Gauge*	3 L	ea.	27304 <b>NEW!</b>
	3-Port Siltek-Treated RAVE+ Valve with Gauge*	3 L	ea.	27305 <b>NEW!</b>
	2-Port RAVE+ Valve	6 L	ea.	27306 <b>NEW!</b>
	without Valve	3 L	ea.	22091
	2-Port, Siltek-Treated RAVE+ Valve	6 L	ea.	27307 <b>NEW!</b>
	3-Port RAVE+ Valve with Gauge*	6 L	ea.	27308 <b>NEW!</b>
	3-Port Siltek-Treated RAVE+ Valve with Gauge*	6 L	ea.	27309 <b>NEW!</b>
	2-Port RAVE+ Valve	15 L	ea.	27310 <b>NEW!</b>
	2-Port, Siltek-Treated RAVE+ Valve	15 L	ea.	27311 <b>NEW!</b>
	without Valve	6 L	ea.	22092
	3-Port RAVE+ Valve with Gauge*	15 L	ea.	27312 <b>NEW!</b>
	3-Port Siltek-Treated RAVE+ Valve with Gauge*	15 L	ea.	27313 <b>NEW!</b>
	without Valve	15 L	ea.	22093

\*Range of standard gauge is -30" Hg to 60 psi.

Do not exceed canister maximum pressure of 40 psig (2.75 bar).



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## TO-Can Air Sampling Canisters with RAVE+ Valves

- Proprietary electropolished surface maintains compound stability.
- High-quality, metal-to-metal seal, ¾-turn valve with stainless-steel diaphragms prevents sample adsorption for more accurate results.
- Both 2-port and 3-port valves available; 3-port valve includes -30" Hg/60 psi vacuum/pressure gauge (other gauges available).
- SUMMA canister equivalent.
- Featuring the proven long life, leak-free performance, and effortless operation of RAVE+ valves.

U.S. EPA Methods TO-14A and TO-15A regulate the collection, storage, and analysis of volatile organic compounds (VOCs) using treated air sampling canisters. Restek offers a complete line of TO-Can canisters (SUMMA can equivalent) electropolished using a proprietary process and extensively cleaned using an ultrasonic method. This ensures a high-quality, passivated surface that maintains the stability of TO-14A/TO-15/TO-15A compounds during storage. A frame surrounds the electropolished canister, eliminating the need for weld marks on the sphere, thereby preventing active sites on the canister. The high-performance valve supports the excellent quality of the canister.

A unique holder attaches the handle and base to the canister without welds and protects the canister, tube stub, and valve. The valve is an exceptionally high-quality, metal-to-metal seal, ¾-turn valve with metal diaphragms to prevent sample adsorption for more accurate results. Each canister is slightly pressurized with contaminant-free nitrogen prior to shipment.

Description	Modification	Volume	qty.	cat.#
TO-Can Canister	without Valve	1 L	ea.	22094
	without Valve	3 L	ea.	22095
	without Valve	6 L	ea.	22096
	2-Port RAVE+ Valve	1 L	ea.	27314 <b>NEW!</b>
	3-Port RAVE+ Valve with Gauge*	1 L	ea.	27315 <b>NEW!</b>
	2-Port RAVE+ Valve	3 L	ea.	27316 <b>NEW!</b>
	without Valve	15 L	ea.	22097
	3-Port RAVE+ Valve with Gauge*	3 L	ea.	27317 <b>NEW!</b>
	2-Port RAVE+ Valve	6 L	ea.	27318 <b>NEW!</b>
	3-Port RAVE+ Valve with Gauge*	6 L	ea.	27319 <b>NEW!</b>
	2-Port RAVE+ Valve	15 L	ea.	27320 <b>NEW!</b>
	3-Port RAVE+ Valve with Gauge*	15 L	ea.	27321 <b>NEW!</b>

\*Range of standard gauge is -30" Hg to 60 psi.

Do not exceed canister maximum pressure of 40 psig (2.75 bar).

Visit [www.restek.com/air](http://www.restek.com/air) for air sampling products and resources.

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