



## Sulfinert® Treated Swagelok® Sample Cylinders



- Sulfinert® coating provides stable storage of sulfur and mercury at ppb levels in petroleum samples.
- Inert coating doesn't flake; more durable than Teflon®.
- TPED compliant cylinders now available for shipping into EU countries.
- All cylinders have 1/4" female NPT threads on both ends.

Refinery and natural gas samples often contain trace amounts of sulfur-containing compounds which can interfere with reactions or poison catalysts in petrochemical processes. Because sulfur compounds quickly react with stainless steel surfaces, accurate determination of these compounds is impossible when samples are collected and stored in untreated sample cylinders. Restek's Sulfinert® passivation technique bonds an inert silica layer into the surface of stainless steel, preventing active compounds from reacting with or adsorbing to the steel. These Swagelok® high pressure sample cylinders are Sulfinert® treated for greater stability of sulfur compounds and mercury. DOT rating to 1,800 and 5,000psig allows sampling at gas wellheads as well as in the refinery. Use of high pressure sample cylinders is cited in ASTM D1265, Standard Practice for Sampling Liquefied Petroleum (LP) Gases, Manual Method.

Description	Volume	Vendor Cat. #	qty.	Cat.#
304L Stainless Steel				
Sulfinert Sample Cylinder, 1,800psig	75cc	304L-HDF4-75	ea.	24130
Sulfinert Sample Cylinder, 1,800psig	150cc	304L-HDF4-150	ea.	24131
Sulfinert Sample Cylinder, TPED, 1,450psig	150cc	304L-HDF4-150-PD	ea.	24131-PI
Sulfinert Sample Cylinder, 1,800psig	300cc	304L-HDF4-300	ea.	24132
Sulfinert Sample Cylinder, TPED, 1,450psig	300cc	304L-HDF4-300-PD	ea.	24132-PI
Sulfinert Sample Cylinder, 1,800psig	500cc	304L-HDF4-500	ea.	24133



Sulfinert Sample Cylinder, TPED, 1,450psig	500cc	304L-HDF4-500-PD	ea.	24133-PI
Sulfinert Sample Cylinder, 1,800psig	1000cc	304L-HDF4-1000	ea.	24134
Sulfinert Sample Cylinder, TPED, 1,450psig	1000cc	304L-HDF4-1000-PD	ea.	24134-PI
Sulfinert Sample Cylinder, 1,800psig	2250cc	304L-HDF4-2250	ea.	21394
Sulfinert Sample Cylinder, TPED, 1,450psig	2250cc	304L-HDF4-2250-PD	ea.	21394-PI
316L Stainless Steel				
Sulfinert Sample Cylinder, 5,000psig	150cc	316L-50DF4-150	ea.	22111
Sulfinert Sample Cylinder, TPED, 4,350psig	150cc	316L-50DF4-150-PD	ea.	22111-PI
Sulfinert Sample Cylinder, 5,000psig	300cc	316L-50DF4-300	ea.	22112
Sulfinert Sample Cylinder, TPED, 4,350psig	300cc	316L-50DF4-300-PD	ea.	22112-PI
Sulfinert Sample Cylinder, 5,000psig	500cc	316L-50DF4-500	ea.	22113
Sulfinert Sample Cylinder, TPED, 4,350psig	500cc	316L-50DF4-500-PD	ea.	22113-PI



24130



24131



24132

Sample Cylinder, 75cc Sulfinert® Sample  
Cylinders 1/4" Female NPT Threads

Sample Cylinder, 150cc Sulfinert® Sample  
Cylinder 1/4" Female NPT Threads

Sample Cylinder, 300cc Sulfinert® Sample  
Cylinder 1/4" Female NPT Thread



24133



24134

Sample Cylinder, 500cc Sulfinert® Sample  
Cylinder 1/4" Female NPT Threads

Sample Cylinder, 1000cc Sulfinert®  
Sample Cylinder 1/4" Female NPT Threads



## Sulfinert® Treated Ultra-High Pressure Sample Cylinders and Valves

- Stable storage of samples containing sulfur compounds and mercury.
- Cylinders manufactured by Swagelok® and U.S. D.O.T. rated to 5000psig.
- Valves rated to 6000psig.
- 316 grade stainless steel with 1/4" female NPT threads on both ends.

Ideal for collecting samples at gas wellhead or other applications requiring sampling at extremely high pressures.

Description	Fittings	Pressure Rating	Volume	Vendor Cat. #	qty.	Cat.#
316L Stainless Steel Sulfinert Sample Cylinder, 5,000psig			150cc	316L-50DF4-150ea.		22111
Sulfinert Sample Cylinder, 5,000psig			300cc	316L-50DF4-300ea.		22112
Sulfinert Sample Cylinder, 5,000psig			500cc	316L-50DF4-500ea.		22113
Sulfinert Sample Cylinder Valve	1/4" Male NPT Outlet	6,000psig			ea.	22109
Sulfinert Sample Cylinder Valve	1/4" Female NPT Outlet	6,000psig			ea.	22110



## Sulfinert® Treated Alta-Robbins Sample Cylinder Valves

- All wetted parts are Sulfinert® treated for inertness.
- Compatible with Sulfinert® treated Swagelok® sample cylinders.
- Large, durable, Kel-F® seat ensures leak-free operation; temperature range: -40°C to 120°C.
- All valves have 1/4" male NPT inlet fittings.

Description	Fittings	Pressure Rating	qty.	Cat.#	
Sulfinert Treated Alta-Robbins Sample Cylinder Valves	1/4" Male NPT Outlet	3,500psig	ea.	21400	<input type="checkbox"/>
Sulfinert Treated Alta-Robbins Sample Cylinder Valves	1/4" Male Compression Outlet	3,500psig	ea.	21401	<input type="checkbox"/>
Sulfinert Treated Alta-Robbins Sample Cylinder Valves	1/4" Male NPT with Dip Tube*	3,500psig	ea.	21402	<input type="checkbox"/>
Sulfinert Treated Alta-Robbins Sample Cylinder Valves	1/4" Male NPT with 2,850psi Rupture Disc	3,500psig	ea.	21403	<input type="checkbox"/>
Sulfinert Treated Alta-Robbins Sample Cylinder Valves	1/4" Female NPT Outlet with 2,850psi Rupture Disc	3,500psig	ea.	21404	<input type="checkbox"/>
Sulfinert Sample Cylinder Valve	1/4" Male NPT Outlet	6,000psig	ea.	22109	<input type="checkbox"/>
Sulfinert Sample Cylinder Valve	1/4" Female NPT Outlet	6,000psig	ea.	22110	<input type="checkbox"/>

\*To order catalog #21402 (Sulfinert Alta-Robbins Sample Cylinder Valve, 1/4" NPT with Dip Tube), please call Customer Service at 800-356-1688, ext. 3, or contact your Restek representative. Specify dip tube length or % outage when ordering (maximum length = 5.25"/ 13.3cm). Note: End of part will not be treated after cutting tube to length.

**Click thumbnails to see enlarged view.**



21400

Sample Valves, Sulfinert® Alta-Robbins Sample Cylinder Valve, 1/4" NPT exit



21401

Sample Valves, Sulfinert® Alta-Robbins Sample Cylinder Valve, 1/4" Compression exit



21402

Sample Valves, Sulfinert® Alta-Robbins Sample Cylinder Valve, 1/4" NPT with Dip Tube - Must specify dip tube length or % outage when ordering (maximum length = 5.25"/ 13.3cm). Please list this information in the "special instructions"



21403

Sample Valves, Sulfinert® Alta-Robbins Sample Cylinder Valve, 1/4" NPT with 2850psi Rupture Disc

21404

Sample Valves, Sulfinert® Alta-Robbins Sample Cylinder Valve, 1/4" NPT Male Inlet x 1/4" Female Outlet with 2850psi Rupture Disc



We accept Visa, MasterCard and American Express