



# Air & Gas Sampling Products



**RESTEK**

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### 10 Comp NJ Subset Test Mix (10 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
10 Comp NJ Subset Test Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34398
10 Comp NJ Subset Test Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34394
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34394-PI
10 Comp NJ Subset Test Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34399
10 Comp NJ Subset Test Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34395
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34395-PI



### 74 Comp TO15 + NJ Mix, (no Acrolein) (74 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
74 Comp TO15 + NJ Mix (no Acrolein) (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34397



### 75 Comp TO15 + NJ Mix (75 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
75 Comp TO15 + NJ Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34396
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34392
75 Comp TO15 + NJ Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34392-PI
	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34393
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34393-PI



### Airgas High-Purity VOC Regulators

Description	Fittings	qty.	cat.#
Single Stage VOC Regulator (Airgas)	CGA-180 (1–30 psig)	ea.	26371
	CGA-180 (2–75 psig)	ea.	26372



26372

### Airgas Transportable Pure Gases and Mixtures in 14 L, 48 L, and 110 L Sizes

Description	Cylinder Volume/ Pressure	Certification	Product Grade	Shelf Life	qty.	cat.#
<b>Multi-Component Mixtures</b>						
Carbon monoxide, carbon dioxide, hydrogen, and oxygen in nitrogen (0.5% each)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34504
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34505
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34579
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34505-PI
Carbon monoxide, carbon dioxide, methane, hydrogen, and oxygen in nitrogen (1% each)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34507
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34508
Carbon monoxide, carbon dioxide, hydrogen, and oxygen in nitrogen (1% each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34580
Carbon monoxide, carbon dioxide, methane, hydrogen, and oxygen in nitrogen (1% each)	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34508-PI
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34511
Carbon monoxide, carbon dioxide, methane, ethane, ethylene, and acetylene in nitrogen (1% each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34578
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34511-PI



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Description	Cylinder Volume/ Pressure	Certification	Product Grade	Shelf Life	qty.	cat.#
Carbon monoxide, carbon dioxide, and nitrogen (5% each), methane and hydrogen (4% each), and oxygen (2.5%) in helium	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34543
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34543-PI
Carbon monoxide (7%), carbon dioxide (15%), and oxygen (5%) in nitrogen	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34514
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34563
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34514-PI
Carbon monoxide (7%), oxygen (4%), carbon dioxide (15%), and methane (4.5%) in nitrogen	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34515
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34516
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34606
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in nitrogen (15 ppm each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34516-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34518
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34519
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in nitrogen (15 ppm each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34568
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34519-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34521
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in helium (100 ppm each)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34522
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34581
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34522-PI
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in helium (1000 ppm each)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34524
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34525
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34586
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in helium (1000 ppm each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34525-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34527
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34528
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in nitrogen (100 ppm each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34582
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34528-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34529
C2–C6 Olefins: ethylene, propylene, 1-butene, 1-pentene, 1-hexene in helium (100 ppm each)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34530
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34583
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34530-PI
C2–C6 Olefins: ethylene, propylene, 1-butene, 1-pentene, 1-hexene in nitrogen (100 ppm each)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34531
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34532
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34584
C2–C6 Olefins: ethylene, propylene, 1-butene, 1-pentene, 1-hexene in nitrogen (100 ppm each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34532-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34534
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34574
Branched Paraffins: 2,2-dimethylbutane, 2,2-dimethylpropane, isobutane, 2-methylbutane, 2-methylpentane, 3-methylpentane in nitrogen (15 ppm each)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34534-PI
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34534-PI

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Description	Cylinder Volume/ Pressure	Certification	Product Grade	Shelf Life	qty.	cat.#
Methane, ethane, ethylene, acetylene, propane, propylene, <i>n</i> -butane, propyne in nitrogen (15 ppm each)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34537
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34596
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34537-PI
<i>n</i> -butane, isobutane, <i>cis</i> -2-butene, <i>trans</i> -2-butene, 1-butene, iso-butylene, 1,3-butadiene, ethyl acetylene in nitrogen (15 ppm each)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34539
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34597
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34539-PI
<b>Pure Gases</b>						
Air, zero	14 L @ 240 psig (17 bar)		THC < 1 ppm	3 yr	ea.	34448
	48 L @ 300 psig (21 bar)		THC < 1 ppm	3 yr	ea.	34449
	110 L @ 1800 psig (124 bar)		THC < 1 ppm	3 yr	ea.	34562
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	THC < 1 ppm	3 yr	ea.	34449-PI
Argon	14 L @ 240 psig (17 bar)		99.995%	3 yr	ea.	34457
	110 L @ 1800 psig (124 bar)		99.995%	3 yr	ea.	34564
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.995%	3 yr	ea.	34457-PI
Carbon dioxide	14 L @ 240 psig (17 bar)		99.80%	3 yr	ea.	34451
	48 L @ 300 psig (21 bar)		99.80%	3 yr	ea.	34452
	110 L @ 1800 psig (124 bar)		99.80%	3 yr	ea.	34565
Hydrogen	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.80%	3 yr	ea.	34452-PI
	14 L @ 240 psig (17 bar)		99.99%	3 yr	ea.	34453
	110 L @ 1800 psig (124 bar)		99.99%	3 yr	ea.	34566
Methane	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.99%	3 yr	ea.	34453-PI
	14 L @ 240 psig (17 bar)		99.00%	3 yr	ea.	34454
	110 L @ 1800 psig (124 bar)		99.00%	3 yr	ea.	34567
Oxygen	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.00%	3 yr	ea.	34454-PI
	14 L @ 240 psig (17 bar)		99.60%	3 yr	ea.	34455
<b>Two-Component Mixtures</b>						
Benzene in air (1 ppm)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34458
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34587
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34458-PI
Benzene in air (100 ppm)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34459
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34588
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34459-PI
1,3-Butadiene in nitrogen (10 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34460
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34461
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34589
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34461-PI

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Description	Cylinder Volume/ Pressure	Certification	Product Grade	Shelf Life	qty.	cat.#
Carbon dioxide in helium (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34462
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34571
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34462-PI
Carbon dioxide in nitrogen (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34463
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34464
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34570
Carbon dioxide in nitrogen (1000 ppm)	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34464-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34465
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34466
Carbon dioxide in nitrogen (1000 ppm)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34595
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34466-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34467
Ethylene in air (8–10 ppm)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34468
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34605
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34468-PI
Ethylene in helium (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34489
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34569
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34489-PI
Hydrogen in helium (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34469
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34575
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34469-PI
Hydrogen in nitrogen (1%)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34471
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34472
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34593
Hydrogen in nitrogen (100 ppm)	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34472-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34473
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34474
Methane in helium (100 ppm)	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34573
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34474-PI
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34476
Methane in helium (100 ppm)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34477
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34577
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34477-PI
Methane in nitrogen (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34478
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34576
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34478-PI

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Description	Cylinder Volume/ Pressure	Certification	Product Grade	Shelf Life	qty.	cat.#
Methane in nitrogen (1%)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34482
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34483
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34591
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34483-PI
Nitrogen in helium (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34479
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34585
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34479-PI
Nitrous oxide in nitrogen (1 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34484
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34485
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34594
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34485-PI
Oxygen in helium (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34480
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34572
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34480-PI
Oxygen in nitrogen (2%)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34487
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34488
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34603
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34488-PI
Oxygen in nitrogen (6%)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34491
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34492
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34604
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34492-PI
1,1,1-Trichloroethane in nitrogen (10 ppm)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34493
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34592
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34493-PI
Trichloroethylene in nitrogen (10 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34494
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34495
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34590
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34495-PI
Vinyl chloride in nitrogen (1 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34496
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34497
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34598
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34497-PI
Vinyl chloride in nitrogen (10 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34498
	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34499
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34599
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34499-PI

Continued



Description	Cylinder Volume/ Pressure	Certification	Product Grade	Shelf Life	qty.	cat.#
Vinyl chloride in nitrogen (50 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34500
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34600
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34500-PI
Vinyl chloride in nitrogen (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34501
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34601
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34501-PI
Vinyl chloride in nitrogen (1000 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34502
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34602
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$ ; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34502-PI

### BTEX and MTBE Gas Mix (7 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
BTEX with MTBE Gas Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34541
BTEX and MTBE Gas Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26363
BTEX with MTBE Gas Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34541-PI
BTEX with MTBE Gas Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34542
BTEX and MTBE Gas Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26364
BTEX with MTBE Gas Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34542-PI



### BTEX Gas Mix (6 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
BTEX Gas Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34414
BTEX Gas Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26361
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34414-PI
BTEX Gas Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34428
BTEX Gas Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26362
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34428-PI



### Japan Calibration Mix (9 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
Japan Calibration Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34418
Japan Calibration Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26367
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34418-PI



### Linde 7621 High-Purity VOC Regulators

Description	Fittings	qty.	cat.#
High-Purity VOC Regulator (Linde)	CGA 180 (0–30 psig)	ea.	21572
	CGA 180 (0–100 psig)	ea.	21572-R100



21572



### Massachusetts APH Mix (26 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
Massachusetts APH Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34540
Massachusetts APH Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	26366
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34540-PI



### Mini-Regulator for natural gas and refinery gas standards

Description	qty.	cat.#
Mini-Regulator (DCG)	ea.	22032



22032

### Natural Gas Standard #1 (10 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
Natural Gas Standard #1 (DCG)	mole, 13.16 L @ 200 psig	Blend tolerance: ± 2%; Analytical accuracy: ± 2%	1 yr	ea.	34438

Ideal Heating Value: Dry BTU/SCF @ 14.696 psia & 60 °F.



### Natural Gas Standard #2 (10 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
Natural Gas Standard #2 (DCG)	mole, 13.16 L @ 200 psig	Blend tolerance: ± 2%; Analytical accuracy: ± 2%	1 yr	ea.	34439

Ideal Heating Value: Dry BTU/SCF @ 14.696 psia & 60 °F.



### Natural Gas Standard #3 (10 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
Natural Gas Standard #3 (DCG)	mole, 5.5 L @ 75 psig	Blend tolerance: ± 2%; Analytical accuracy: ± 2%	1 yr	ea.	34440

Ideal Heating Value: Dry BTU/SCF @ 14.696 psia & 60 °F.



### Ozone Precursor Mixture/PAMS (57 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
Ozone Precursor Mix/PAMS (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34420
Ozone Precursor Mix/PAMS (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	26368
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34420-PI
Ozone Precursor Mix/PAMS (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±10%	1 yr	ea.	34429
Ozone Precursor Mix/PAMS (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	26369
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34429-PI



### Ozone Precursor/PAMS Mix (57 components at EPA concentrations: ppbC)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
Ozone Precursor/PAMS Mix (Linde)	20-60 ppbC (parts per billion expressed as carbon) in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34445
Ozone Precursor/PAMS Mix (Airgas)	20-60 ppbC (parts per billion expressed as carbon) in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	26370
	20-60 ppbC (parts per billion expressed as carbon) in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34445-PI



### Refinery Gas Standard #1 (21 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
Refinery Gas Standard #1 (DCG)	mole, 5.2 L @ 70 psig	Blend tolerance: ± 2%; Analytical accuracy: ± 2%	1 yr	ea.	34441







### Refinery Gas Standard #2 (27 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
Refinery Gas Standard #2 (DCG)	mole, 4.9 L @ 60 psig	Blend tolerance: $\pm 2\%$ ; Analytical accuracy: $\pm 2\%$	1 yr	ea.	34442

### Refinery Gas Standard #5 (26 components)

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
Refinery Gas Standard #5 (DCG)	mole, 4.6 L @ 50 psig	Blend tolerance: $\pm 2\%$ ; Analytical accuracy: $\pm 2\%$	1 yr	ea.	34443

### Regulators for use with 14 L and 48 L Airgas transportable gases

Description	Fittings	qty.	cat.#
Regulator (Airgas)	CGA-160 Inlet Connection	ea.	22690
	CGA-165 Inlet Connection	ea.	22691



22690

### Small Cylinder Stand

Description	qty.	cat.#
Small Cylinder Stand (Linde)	ea.	24129



24129

### Sulfur 5-Component Mix (5 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
Sulfur 5-Component Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34561
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34561-PI



### Syringe Adaptor Kit for Single-Stage VOC Regulator

Description	qty.	cat.#
Syringe Adaptor Kit	kit	21118



21118

### TO-14A 41 Component Mix (41 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A 41 Component Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34430
TO-14A 41 Component Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26342
TO-14A 41 Component Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34431
TO-14A 41 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26343
TO-14A 41 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34431-PI



### TO-14A 43 Component Mix (43 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A 43 Component Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34432
TO-14A 43 Component Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34432-PI
TO-14A 43 Component Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34433
TO-14A 43 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26345
TO-14A 43 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34433-PI





### TO-14A Aromatics Mix (14 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A Aromatics Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34404
TO-14A Aromatics Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26348
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34404-PI
TO-14A Aromatics Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34423
TO-14A Aromatics Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34423-PI



### TO-14A Calibration Mix (39 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A Calibration Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34400
TO-14A Calibration Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26340
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34400-PI
TO-14A Calibration Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34421
TO-14A Calibration Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34421-PI



### TO-14A CFC/HCFC Mix (4 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A CFC/HCFC Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34410
	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34426
TO-14A CFC/HCFC Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34410-PI
	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26356
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34426-PI



### TO-14A Chlorinated Hydrocarbon Mix (19 components)

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A Chlorinated Hydrocarbon Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34402
TO-14A Chlorinated Hydrocarbon Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26350
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34402-PI
TO-14A Chlorinated Hydrocarbon Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34422
TO-14A Chlorinated Hydrocarbon Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26351
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34422-PI



### TO-14A GC-MS Tuning Mix

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A GC-MS Tuning Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34406
TO-14A GC-MS Tuning Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26346
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34406-PI
TO-14A GC-MS Tuning Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34424
TO-14A GC-MS Tuning Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26347
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$ ; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34424-PI



**TO-14A Internal Standard Mix (3 components)**

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A Internal Standard Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34412
TO-14A Internal Standard Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	2 yrs	ea.	26352
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±10%; Analytical accuracy: ±5%	2 yrs	ea.	34412-PI
TO-14A Internal Standard Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±10%	1 yr	ea.	34427
TO-14A Internal Standard Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	26353
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34427-PI

**TO-14A Internal Standard/Tuning Mix (4 components)**

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-14A Internal Standard/Tuning Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34408
TO-14A Internal Standard/Tuning Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34408-PI
TO-14A Internal Standard/Tuning Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±10%	1 yr	ea.	34425
TO-14A Internal Standard/Tuning Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	26355
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34425-PI

**TO-15 64 Component Mix (no Acrolein) (64 components)**

Description	Conc. in Solvent	Product Grade	Shelf Life	qty.	cat.#
TO-15 64 Component Mix (no Acrolein) (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34608

**TO-15 65 Component Mix (65 components)**

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-15 65 Component Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34436
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	26359
TO-15 65 Component Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34436-PI
	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	26360
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34437-PI

**TO-15 Subset 25 Component Mix (25 components)**

Description	Conc. in Solvent	Certification	Product Grade	Shelf Life	qty.	cat.#
TO-15 Subset 25 Component Mix (Linde)	1 ppm in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34434
TO-15 Subset 25 Component Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	26357
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±10%; Analytical accuracy: ±5%	1 yr	ea.	34434-PI
TO-15 Subset 25 Component Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: ±10%; Analytical accuracy: ±10%	1 yr	ea.	34435
TO-15 Subset 25 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	26358
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: ±20%; Analytical accuracy: ±10%	1 yr	ea.	34435-PI

**Gas Sample Loops (Sulfurnert Treated) 1/16" fittings for "W Type" valves**

Description	Material	Volume	qty.	cat.#
Sample Loops	Sulfurnert-Treated	5 µL	ea.	22840
Sample Loops	Sulfurnert-Treated	10 µL	ea.	22841



Continued



Description	Material	Volume	qty.	cat.#
Sample Loops	Sulfinert-Treated	20 µL	ea.	22842
Sample Loops	Sulfinert-Treated	25 µL	ea.	22843
Sample Loops	Sulfinert-Treated	50 µL	ea.	22844
Sample Loops	Sulfinert-Treated	100 µL	ea.	22845
Sample Loops	Sulfinert-Treated	250 µL	ea.	22846
Sample Loops	Sulfinert-Treated	500 µL	ea.	22847
Sample Loops	Sulfinert-Treated	1 mL	ea.	22848
Sample Loops	Sulfinert-Treated	2 mL	ea.	22849
Sample Loops	Sulfinert-Treated	5 mL	ea.	22850

**Gas Sampling Valves** (Sulfinert Treated) 1/16" Fittings, 0.40 mm Port Diameter; "W Type" Valve

Description	Material	Volume	qty.	cat.#
Sulfinert Gas Sampling Valve; 4-Port	Sulfinert-Treated	20 µL	ea.	20584
Sulfinert Gas Sampling Valve; 6-Port	Sulfinert-Treated	25 µL	ea.	20585
Sulfinert Gas Sampling Valve; 10-Port	Sulfinert-Treated	50 µL	ea.	20586



20585

**Metering Control Valves** (Stainless Steel & Sulfinert Treated)

Description	Fittings	Material	Max Pressure	qty.	cat.#
Metering Control Valve	1/4" Male NPT x 1/4" Male NPT	Stainless Steel	3500 psig	ea.	26326
Metering Control Valve	1/4" Male NPT x 1/4" Male NPT	Sulfinert-Treated	3500 psig	ea.	26327



**Replacement Rotors for Gas Sampling Valves**

Description	Material	Volume	qty.	cat.#
Replacement Rotor (not coated) for 4-Port Sulfinert Gas Sampling Valve	Sulfinert-Treated	20 µL	ea.	20587
Replacement Rotor (not coated) for 6-Port Sulfinert Gas Sampling Valve	Sulfinert-Treated	25 µL	ea.	20588
Replacement Rotor (not coated) for 10-Port Sulfinert Gas Sampling Valve	Sulfinert-Treated	50 µL	ea.	20589



20588

**Replacement Rupture Disks**

Description	Includes	Material	Max Pressure	qty.	cat.#
Replacement Rupture Disk	one PTFE washer	316 Stainless Steel	1800 psig	ea.	26320
Replacement Rupture Disk	one PTFE washer	316 Stainless Steel	2850 psig	ea.	26324



26324

**Rupture Disk Tee** (Stainless Steel & Sulfinert Treated)

Description	Fittings	Material	Max Pressure	qty.	cat.#
Rupture Disk Tee	1/4" Male NPT x 1/4" Female NPT	303 Stainless Steel	1800 psig	ea.	26318
Rupture Disk Tee	1/4" Male NPT x 1/4" Female NPT	Sulfinert-Treated 303 Stainless Steel	1800 psig	ea.	26319
Rupture Disk Tee	1/4" Male NPT x 1/4" Female NPT	303 Stainless Steel	2850 psig	ea.	26322
Rupture Disk Tee	1/4" Male NPT x 1/4" Female NPT	Sulfinert-Treated 303 Stainless Steel	2850 psig	ea.	26323



**Sample Cylinder 316 SS End Pipe Plug**

Description	Fittings	Material	qty.	cat.#
Sample Cylinder 316 SS End Pipe Plug	1/4" Male NPT	Stainless Steel	ea.	26375
Sample Cylinder 316 SS End Pipe Plug	1/4" Male NPT	Sulfinert-Treated	ea.	26376



26375

**Sample Cylinder 316 SS Hollow Hex Plug**

Description	Fittings	qty.	cat.#
Sample Cylinder 316 SS Hollow Hex Plug	1/4" Male NPT	ea.	26377



26377

**Sample Cylinder Carrying Handle**

Description	Includes	Material	Used with	qty.	cat.#
Sample Cylinder Carrying Handle for 1.9" & 2" OD Cylinders	handle and two attachment rings	304 Stainless Steel	sample cylinder cat.#s 22111, 22111-PI, 22112, 22112-PI, 22113, 22113-PI, 22922, 22922-PI, 22923, 22923-PI, 22924, 22924-PI, 22927, 22927-PI, 22928, 22928-PI, 22929, 22929-PI, 24131, 24131-PI, 24132, 24132-PI, 24133, 24133-PI, 26374	ea.	26373
Sample Cylinder Carrying Handle for 3.5" & 4" OD Cylinders	handle and two attachment rings	304 Stainless Steel	sample cylinder cat.#s 21394, 21394-PI, 22925, 22925-PI, 22926, 22926-PI, 24134, 24134-PI	ea.	26374



26373



### Sample Cylinder SS Pipe Cap

Description	Fittings	Material	qty.	cat.#
Sample Cylinder SS Pipe Cap w/Lanyard	1/4" Female NPT x 20" Lanyard		ea.	26378
Sample Cylinder SS Pipe Cap	1/4" Female NPT	Stainless Steel	ea.	22969
Sample Cylinder SS Pipe Cap	1/4" Female NPT	Sulfinert-Treated	ea.	22970



22969

### Sample Cylinder Valves (Stainless Steel & Sulfinert Treated)

Description	Fittings	Material	Max Pressure	qty.	cat.#
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male NPT	Stainless Steel	3500 psig	ea.	26297
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male NPT	Sulfinert-Treated	3500 psig	ea.	21400
Sample Cylinder Valve	1/4" Male NPT x 1/4" Female NPT	Stainless Steel	3500 psig	ea.	26298
Sample Cylinder Valve	1/4" Male NPT x 1/4" Female NPT	Sulfinert-Treated	3500 psig	ea.	26299
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male Compression	Stainless Steel	3500 psig	ea.	26300
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male Compression	Sulfinert-Treated	3500 psig	ea.	21401
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male NPT w/5.25" Dip Tube*	Stainless Steel	3500 psig	ea.	26301
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male NPT w/5.25" Dip Tube*	Sulfinert-Treated	3500 psig	ea.	21402
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male NPT w/1800 psi (12,411 kPa) Rupture Disk	Stainless Steel	3500 psig	ea.	26302
Sample Cylinder Valve	1/4" Male NPT x 1/4" Male NPT w/1800 psi (12,411 kPa) Rupture Disk	Sulfinert-Treated	3500 psig	ea.	26303
Sample Cylinder Valve	1/4" Male NPT x 1/4" Female NPT w/1800 psi (12,411 kPa) Rupture Disk	Stainless Steel	3500 psig	ea.	26304
Sample Cylinder Valve	1/4" Male NPT x 1/4" Female NPT w/1800 psi (12,411 kPa) Rupture Disk	Sulfinert-Treated	3500 psig	ea.	26305
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male NPT	Stainless Steel	5000 psig	ea.	26306
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male NPT	Sulfinert-Treated	5000 psig	ea.	26307
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Female NPT	Stainless Steel	5000 psig	ea.	26308
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Female NPT	Sulfinert-Treated	5000 psig	ea.	26309
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male Compression	Stainless Steel	5000 psig	ea.	26310
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male Compression	Sulfinert-Treated	5000 psig	ea.	26311
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male NPT w/5.25" Dip Tube*	Stainless Steel	5000 psig	ea.	26312
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male NPT w/5.25" Dip Tube*	Sulfinert-Treated	5000 psig	ea.	26313
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male NPT w/2850 psi (19,650 kPa) Rupture Disk	Stainless Steel	5000 psig	ea.	26314
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Male NPT w/2850 psi (19,650 kPa) Rupture Disk	Sulfinert-Treated	5000 psig	ea.	26315
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Female NPT w/2850 psi (19,650 kPa) Rupture Disk	Stainless Steel	5000 psig	ea.	26316
Sample Cylinder Valve UHP	1/4" Male NPT x 1/4" Female NPT w/2850 psi (19,650 kPa) Rupture Disk	Sulfinert-Treated	5000 psig	ea.	26317



\*To order a sample cylinder valve with dip tube, please contact Customer Service or your local Restek representative. Specify dip tube length or % outage when ordering (maximum length = 5.25" / 13.3 cm). Note: End of part will not be treated after cutting tube to length.

### Sample Cylinders, High Pressure (Stainless Steel & Sulfinert Treated)

Certification/Compliance	Description	Diameter	Length	Material	Max Pressure	Volume	Wall Thickness	Weight	qty.	cat.#
	Sample Cylinder	1.50" (38.1 mm)	4.94" (125 mm)	304 L Stainless Steel	1800 psig	75 cc	0.093" (2.4 mm)	0.62 lb (0.28 kg)	ea.	22921
	Sample Cylinder	1.50" (38.1 mm)	4.94" (125 mm)	304 L Stainless Steel, Sulfinert Treated	1800 psig	75 cc	0.093" (2.4 mm)	0.62 lb (0.28 kg)	ea.	24130
TPED (Pi) compliant	Sample Cylinder	1.485" (37.7 mm)	4.94" (125 mm)	304 L Stainless Steel	1450 psig	75 cc	0.090" (2.29 mm)	0.62 lb (0.28 kg)	ea.	22921-PI
	Sample Cylinder	1.485" (37.7 mm)	4.94" (125 mm)	304 L Stainless Steel, Sulfinert Treated	1450 psig	75 cc	0.090" (2.29 mm)	0.62 lb (0.28 kg)	ea.	24130-PI
	Sample Cylinder	2.00" (50.8 mm)	5.25" (133 mm)	304 L Stainless Steel	1800 psig	150 cc	0.093" (2.4 mm)	0.94 lb (0.43 kg)	ea.	22922
	Sample Cylinder	2.00" (50.8 mm)	5.25" (133 mm)	304 L Stainless Steel, Sulfinert Treated	1800 psig	150 cc	0.093" (2.4 mm)	0.94 lb (0.43 kg)	ea.	24131
TPED (Pi) compliant	Sample Cylinder	1.980" (50.3 mm)	5.25" (133 mm)	304 L Stainless Steel	1450 psig	150 cc	0.090" (2.29 mm)	0.94 lb (0.43 kg)	ea.	22922-PI
	Sample Cylinder	1.980" (50.3 mm)	5.25" (133 mm)	304 L Stainless Steel, Sulfinert Treated	1450 psig	150 cc	0.090" (2.29 mm)	0.94 lb (0.43 kg)	ea.	24131-PI
	Sample Cylinder	2.00" (50.8 mm)	8.94" (227 mm)	304 L Stainless Steel	1800 psig	300 cc	0.093" (2.4 mm)	1.6 lb (0.73 kg)	ea.	22923
	Sample Cylinder	2.00" (50.8 mm)	8.94" (227 mm)	304 L Stainless Steel, Sulfinert Treated	1800 psig	300 cc	0.093" (2.4 mm)	1.6 lb (0.73 kg)	ea.	24132
TPED (Pi) compliant	Sample Cylinder	1.980" (50.3 mm)	8.94" (227 mm)	304 L Stainless Steel	1450 psig	300 cc	0.090" (2.29 mm)	1.6 lb (0.73 kg)	ea.	22923-PI
	Sample Cylinder	1.980" (50.3 mm)	8.94" (227 mm)	304 L Stainless Steel, Sulfinert Treated	1450 psig	300 cc	0.090" (2.29 mm)	1.6 lb (0.73 kg)	ea.	24132-PI
	Sample Cylinder	2.00" (50.8 mm)	13.8" (351 mm)	304 L Stainless Steel	1800 psig	500 cc	0.093" (2.4 mm)	2.6 lb (1.2 kg)	ea.	22924
	Sample Cylinder	2.00" (50.8 mm)	13.8" (351 mm)	304 L Stainless Steel, Sulfinert Treated	1800 psig	500 cc	0.093" (2.4 mm)	2.6 lb (1.2 kg)	ea.	24133



Continued





Certification/ Compliance	Description	Diameter	Length	Material	Max Pressure	Volume	Wall Thickness	Weight	qty.	cat.#
TPED (Pi) compliant	Sample Cylinder	1.980" (50.3 mm)	13.8" (351 mm)	304 L Stainless Steel	1450 psig	500 cc	0.090" (2.29 mm)	2.6 lb (1.2 kg)	ea.	22924-PI
	Sample Cylinder	1.980" (50.3 mm)	13.8" (351 mm)	304 L Stainless Steel, Sulfinert Treated	1450 psig	500 cc	0.090" (2.29 mm)	2.6 lb (1.2 kg)	ea.	24133-PI
	Sample Cylinder	3.50" (88.9 mm)	10.9" (277 mm)	304 L Stainless Steel	1800 psig	1000 cc	0.18" (4.6 mm)	6.5 lb (2.9 kg)	ea.	22925
	Sample Cylinder	3.50" (88.9 mm)	10.9" (277 mm)	304 L Stainless Steel, Sulfinert Treated	1800 psig	1000 cc	0.18" (4.6 mm)	6.5 lb (2.9 kg)	ea.	24134
TPED (Pi) compliant	Sample Cylinder	3.465" (88 mm)	10.9" (277 mm)	304 L Stainless Steel	1450 psig	1000 cc	0.170" (4.32 mm)	6.5 lb (2.9 kg)	ea.	22925-PI
	Sample Cylinder	3.465" (88 mm)	10.9" (277 mm)	304 L Stainless Steel, Sulfinert Treated	1450 psig	1000 cc	0.170" (4.32 mm)	6.5 lb (2.9 kg)	ea.	24134-PI
	Sample Cylinder	4.00" (102 mm)	17.2" (437 mm)	304 L Stainless Steel	1800 psig	2250 cc	0.206" (5.2 mm)	14 lb (6.4 kg)	ea.	22926
	Sample Cylinder	4.00" (102 mm)	17.2" (437 mm)	304 L Stainless Steel, Sulfinert Treated	1800 psig	2250 cc	0.206" (5.2 mm)	14 lb (6.4 kg)	ea.	21394
TPED (Pi) compliant	Sample Cylinder	3.960" (100.6 mm)	17.2" (437 mm)	304 L Stainless Steel	1450 psig	2250 cc	0.195" (4.95 mm)	14 lb (6.4 kg)	ea.	22926-PI
	Sample Cylinder	3.960" (100.6 mm)	17.2" (437 mm)	304 L Stainless Steel, Sulfinert Treated	1450 psig	2250 cc	0.195" (4.95 mm)	14 lb (6.4 kg)	ea.	21394-PI

### Sample Cylinders, Ultra-High Pressure (Stainless Steel & Sulfinert Treated)

Certification/ Compliance	Description	Diameter	Length	Material	Max Pressure	Volume	Wall Thickness	Weight	qty.	cat.#
	Sample Cylinder	1.90" (48.2 mm)	8.00" (203 mm)	316 L Stainless Steel	5000 psig	150 cc	0.240" (6.1 mm)	3.0 lb (1.4 kg)	ea.	22927
	Sample Cylinder	1.90" (48.2 mm)	8.00" (203 mm)	316 L Stainless Steel, Sulfinert Treated	5000 psig	150 cc	0.240" (6.1 mm)	3.0 lb (1.4 kg)	ea.	22111
TPED (Pi) compliant	Sample Cylinder	1.980" (50.3 mm)	8.00" (203 mm)	316 L Stainless Steel	4350 psig	150 cc	0.088" (2.24 mm)	0.94 lb (0.43 kg)	ea.	22927-PI
	Sample Cylinder	1.980" (50.3 mm)	8.00" (203 mm)	316 L Stainless Steel, Sulfinert Treated	4350 psig	150 cc	0.088" (2.24 mm)	0.94 lb (0.43 kg)	ea.	22111-PI
	Sample Cylinder	1.90" (48.2 mm)	14.5" (368 mm)	316 L Stainless Steel	5000 psig	300 cc	0.240" (6.1 mm)	5.6 lb (2.5 kg)	ea.	22928
	Sample Cylinder	1.90" (48.2 mm)	14.5" (368 mm)	316 L Stainless Steel, Sulfinert Treated	5000 psig	300 cc	0.240" (6.1 mm)	5.6 lb (2.5 kg)	ea.	22112
TPED (Pi) compliant	Sample Cylinder	1.980" (50.3 mm)	14.5" (368 mm)	316 L Stainless Steel	4350 psig	300 cc	0.088" (2.24 mm)	1.6 lb (0.73 kg)	ea.	22928-PI
	Sample Cylinder	1.980" (50.3 mm)	14.5" (368 mm)	316 L Stainless Steel, Sulfinert Treated	4350 psig	300 cc	0.088" (2.24 mm)	1.6 lb (0.73 kg)	ea.	22112-PI
	Sample Cylinder	1.90" (48.2 mm)	23.5" (597 mm)	316 L Stainless Steel	5000 psig	500 cc	0.240" (6.1 mm)	9.1 lb (4.1 kg)	ea.	22929
	Sample Cylinder	1.90" (48.2 mm)	23.5" (597 mm)	316 L Stainless Steel, Sulfinert Treated	5000 psig	500 cc	0.240" (6.1 mm)	9.1 lb (4.1 kg)	ea.	22113
TPED (Pi) compliant	Sample Cylinder	1.980" (50.3 mm)	23.5" (597 mm)	316 L Stainless Steel	4350 psig	500 cc	0.088" (2.24 mm)	2.6 lb (1.2 kg)	ea.	22929-PI
	Sample Cylinder	1.980" (50.3 mm)	23.5" (597 mm)	316 L Stainless Steel, Sulfinert Treated	4350 psig	500 cc	0.088" (2.24 mm)	2.6 lb (1.2 kg)	ea.	22113-PI



### Cleaned Polyurethane Foam (PUF) Cartridges

Description	qty.	cat.#
Cleaned PUF Plug (7.6 cm length, 6 cm diameter)	ea.	24295
Large PUF Cartridge, 65 mm OD x 125 mm length, 75 mm PUF	ea.	22114
Large PUF/XAD Cartridge, 65 mm OD x 125 mm length, 25 mm PUF/10 g XAD-2/50 mm PUF	ea.	22115
Small PUF Cartridge, 22 mm OD x 100 mm length, 76 mm PUF	ea.	22116
Small PUF/XAD Cartridge, 22 mm OD x 100 mm length, 30 mm PUF/1.5 g XAD-2/30 mm PUF	ea.	22117





### 2 µm Frit Filters (Stainless Steel & Siltek Treated)

Description	Material	qty.	cat.#
Replacement Frit Filter	Siltek-Treated	3-pk.	24171
	Stainless Steel	3-pk.	24170



### 7 µm In-Line Filter (Stainless Steel & Siltek Treated)

Description	Material	qty.	cat.#
7 µm In-Line Filter	Siltek-Treated	ea.	24265
	Stainless Steel	ea.	24266



### Accessories for Aura Personal Air Samplers

Description	qty.	cat.#
Holster and Belt for Aura Personal Air Sampler	ea.	26480
Belt Extension for Aura Personal Air Sampler, adjustable, 12–24" (30.5–61 cm)	ea.	26481
Lapel Clip	ea.	26486



### Accessories for MTS-32 TD Multiple Tube Sequential Sampler

Description	qty.	cat.#
Power Supply for MTS-32 TD Multiple Tube Sequential Sampler (use instead of battery)	ea.	26465
12 V Battery for MTS-32 TD Multiple Tube Sequential Sampler (use in place of power supply)	ea.	26467
Mains Charger for 12 V Battery for MTS-32 TD Multiple Tube Sequential Sampler (use to recharge battery)	ea.	26466



\*Note: Voltage must be specified at time of order.

### ACTI-VOC Low-Flow TD Sampling Pump

Description	Certification/Compliance	qty.	cat.#
ACTI-VOC Low-Flow TD Sampling Pump	CE	ea.	26463

\*Note: Voltage must be specified at time of order.



26463

### Air Canister Tripod

Description	qty.	cat.#
Air Canister Tripod	ea.	24151

\*Air sampling canisters sold separately.



24151

### Alicat Accessories for Whisper Flow Calibrators

Description	qty.	cat.#
Power adaptor, 24 VDC, 1 Amp (worldwide)	ea.	27338
6' Single-ended, mini-DIN cable, 8 conductors	ea.	27339
6' USB to male 8-pin mini-DIN cable	ea.	27340



27338

### Alicat Whisper Flow Calibrators

Description	Certification/Compliance	Dimensions	Flow Capacity	Type	qty.	cat.#
Portable Mass Flow Calibrator, Whisper Series	CE, NIST	5.7" h x 2.4" w x 1.1" d	0–50 sccm	Color Display	ea.	27330
	CE, NIST	5.7" h x 2.4" w x 1.1" d	0–50 sccm	Monochrome Display	ea.	27331
	CE, NIST	5.7" h x 2.4" w x 1.1" d	0–500 sccm	Color Display	ea.	27332
	CE, NIST	5.7" h x 2.4" w x 1.1" d	0–500 sccm	Monochrome Display	ea.	27333
Lab-Based Mass Flow Calibrator, Whisper Series	CE, NIST	4.1" h x 2.4" w x 1.1" d	0–50 sccm	Color Display	ea.	27334
	CE, NIST	4.1" h x 2.4" w x 1.1" d	0–50 sccm	Monochrome Display	ea.	27335
	CE, NIST	4.1" h x 2.4" w x 1.1" d	0–500 sccm	Color Display	ea.	27336
	CE, NIST	4.1" h x 2.4" w x 1.1" d	0–500 sccm	Monochrome Display	ea.	27337





### ALTEF Gas Sampling Bags

Description	Dimensions	Modification	Volume	qty.	cat.#
ALTEF Gas Sampling Bag	6" x 6"	Polypropylene Combo Valve and Septum	0.5 L	10-pk.	22958
	7" x 7"	Polypropylene Combo Valve and Septum	1 L	10-pk.	22959
	10" x 10"	Polypropylene Combo Valve and Septum	3 L	10-pk.	22960
	12" x 12"	Polypropylene Combo Valve and Septum	5 L	10-pk.	22961
	12" x 22"	Polypropylene Combo Valve and Septum	10 L	10-pk.	22962
	13" x 24"	Polypropylene Combo Valve and Septum	12 L	10-pk.	26328
	18" x 24"	Polypropylene Combo Valve and Septum	25 L	5-pk.	22963
	24" x 24.25"	Polypropylene Combo Valve and Septum	40 L	5-pk.	26329
	28.25" x 30.5"	Polypropylene Combo Valve and Septum	80 L	3-pk.	26330
	28" x 36"	Polypropylene Combo Valve and Septum	100 L	3-pk.	26331



### Ashcroft 2074 Digital Pressure Gauge

Description	qty.	cat.#
Ashcroft 2074 Digital Pressure Gauge	ea.	24268

Not CE approved.



24268

### Ashcroft Gauge Connector to Canister Valve

Description	qty.	cat.#
Ashcroft Gauge Connector to Canister Valve, stainless steel, connects 1/4" male NPT to 1/4" male compression fitting	ea.	22121



22121

### Ashcroft Test Gauges

Description	Diameter	Fittings	qty.	cat.#
Test Gauge, Analog	6"	1/4" NPT	ea.	24285



24285

### Aura Personal Air Sampler Kits

Description	Includes	Material	qty.	cat.#
Aura Personal Air Sampler Kit	400 cc miniature canister with 1/4" quick-connect stem; quick-connect body; holster and belt; 10-pk. of disposable 8-hour sampler lines; tubing cutter; and lapel clip	Electropolished	kit	26484
	400 cc miniature canister with 1/4" quick-connect stem; quick-connect body; holster and belt; 10-pk. of disposable 8-hour sampler lines; tubing cutter; and lapel clip	Siltek-Treated	kit	26485



26484

### Aura Personal Air Samplers (Disposable 8-Hour Sampler Lines)

Description	qty.	cat.#
Aura Personal Air Samplers (Disposable 8-Hour Sampler Line)	ea.	26475
	10-pk.	26476



26476

### Canister Air Sampling Timer

Description	Certification/Compliance	qty.	cat.#
Canister Air Sampling Timer	CE	ea.	24267



24267

### Canister Carrying Box Kit

Description	qty.	cat.#
Canister Carrying Box Kit	kit	24215



24215

### Canister Carrying Case

Description	qty.	cat.#
Deluxe Canister Carrying Case	ea.	24226



24226

**Chemker Accessories for Vacuum Pumps**

Description	Instrument	Includes	qty.	cat.#
Repair Kit	for Chemker 300	on/off switch (1); diaphragm (1); spring (1); valve plates (2); and O-rings (3)	kit	27460
	for Chemker 400	on/off switch (1); diaphragms (2); springs (2); valve plates (4); and O-rings (11)	kit	27461
	for Chemker 410	on/off switch (1); diaphragms (2); springs (2); valve plates (4); and O-rings (6)	kit	27462
Vacuum Regulator/Moisture Trap	for Chemker Series		ea.	27443

**Chemker Vacuum Pumps**

Description	Instrument	Flow Capacity	Voltage	qty.	cat.#
Vacuum Pump	Chemker 300 PTFE	20 L/min	AC110 V, 60 Hz	ea.	27426
	Chemker 300 PTFE	18 L/min	AC220 V, 50 Hz	ea.	27427
	Chemker 400 PTFE	38 L/min	AC110 V, 60 Hz	ea.	27428
	Chemker 400 PTFE	33 L/min	AC220 V, 50 Hz	ea.	27429
	Chemker 410 PTFE	20 L/min	AC110 V, 60 Hz	ea.	27430
	Chemker 410 PTFE	18 L/min	AC220 V, 50 Hz	ea.	27431

**Digital Gauge with Quick-Connect Fitting**

Description	Fittings	qty.	cat.#
Digital Gauge with Quick-Connect Fitting	1/8" quick-connect	ea.	24224



24224

**Dual Canister Sampling Manifold (Stainless Steel & Siltek Treated)**

Description	Material	qty.	cat.#
Dual Canister Sampling Manifold	Stainless Steel	ea.	24998
	Siltek-Treated	ea.	24999



Note: Do not use the DCSM as a handle to pick up 2 canisters!

**Easy-VOC Grab Sampler**

Description	qty.	cat.#
Easy-VOC Grab Sampler	ea.	26468

Sorbent tubes not included.



26468

**Humidification Chamber**

Description	qty.	cat.#
Humidification Chamber	ea.	24282



24282

**Mini-Can Accessories**

Description	Includes	qty.	cat.#
Sampling Belt		ea.	22122
Personal Sample Inlet	3' x 1/16" OD PTFE tubing, Clip, PTFE Reducing Ferrule, 1/4" SS nut	ea.	22123
Mini-Can Stand		ea.	22124

**Miniature Air Sampling Canisters (Electropolished Stainless Steel & Siltek Treated)**

Description	Modification	Volume	qty.	cat.#
Electropolished Stainless-Steel Miniature Canister	with male RAVEqc Quick-Connect Fitting (cat.#27367); a compatible female fitting, such as cat.# 27369 (sold separately), is required to complete the valve connection.	400 cc	ea.	24188
	with RAVE+ Valve	400 cc	ea.	27322
Siltek-Treated Miniature Canister	with male RAVEqc Quick-Connect Fitting (cat.#27367); a compatible female fitting, such as cat.# 27369 (sold separately), is required to complete the valve connection.	400 cc	ea.	24189
	with RAVE+ Valve	400 cc	ea.	27323
	with male Siltek-Treated RAVEqc Quick-Connect Fitting (cat.# 27368); a compatible female fitting, such as cat.# 27370 (sold separately), is required to complete the valve connection.	400 cc	ea.	24190
	with Siltek-Treated RAVE+ Valve	400 cc	ea.	27324
Electropolished Stainless-Steel Miniature Canister	without Valve	400 cc	ea.	24205
Siltek-Treated Miniature Canister	without Valve	400 cc	ea.	24207



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

Restek no longer offers 1000 cc miniature air sampling canisters.



### Miniature Air Sampling Kits (Stainless Steel & Siltek Treated)

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
Miniature Air Sampling Kit	0.5–2 mL/min	Siltek-Treated	0.0008"	kit	26253
	0.5–2 mL/min	Stainless Steel	0.0008"	kit	26252
	2–4 mL/min	Siltek-Treated	0.0012"	kit	26255
	2–4 mL/min	Stainless Steel	0.0012"	kit	26254
	4–8 mL/min	Siltek-Treated	0.0016"	kit	26257
	4–8 mL/min	Stainless Steel	0.0016"	kit	26256
	8–15 mL/min	Siltek-Treated	0.0020"	kit	26259
	8–15 mL/min	Stainless Steel	0.0020"	kit	26258



26252

Air sampling canisters sold separately.

### MTS-32 TD Multiple Tube Sequential Sampler

Description	Certification/Compliance	qty.	cat.#
MTS-32 TD Multiple Tube Sequential Sampler	CE	ea.	26464



26464

### Multi-Layer Foil Gas Sampling Bags

Description	Dimensions	Modification	Volume	qty.	cat.#
Multi-Layer Foil Gas Sampling Bag	7" x 7"	Polypropylene Combo Valve and Septum	1 L	5-pk.	22950
	10" x 10"	Polypropylene Combo Valve and Septum	3 L	5-pk.	22951
	12" x 12"	Polypropylene Combo Valve and Septum	5 L	5-pk.	22952
	12" x 22"	Polypropylene Combo Valve and Septum	10 L	5-pk.	22953
	13" x 24"	Polypropylene Combo Valve and Septum	12 L	5-pk.	22966
	18" x 24"	Polypropylene Combo Valve and Septum	25 L	5-pk.	22967
	24" x 24.5"	Polypropylene Combo Valve and Septum	40 L	5-pk.	22968



### Passive Air Sampling Kits—Grab (Stainless Steel & Siltek Treated)

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
Grab Sampling Kit	15 mL/min	Siltek Treated	0.0018"	kit	26280
	15 mL/min	Stainless Steel	0.0018"	kit	26263
	20 mL/min	Siltek Treated	0.0020"	kit	26281
	20 mL/min	Stainless Steel	0.0020"	kit	26264
	45 mL/min	Siltek Treated	0.0030"	kit	26282
	45 mL/min	Stainless Steel	0.0030"	kit	26265
	80 mL/min	Siltek Treated	0.0040"	kit	26283
	80 mL/min	Stainless Steel	0.0040"	kit	26266
	150 mL/min	Siltek Treated	0.0055"	kit	26284
	150 mL/min	Stainless Steel	0.0055"	kit	26267
	300 mL/min	Siltek Treated	0.0080"	kit	26285
	300 mL/min	Stainless Steel	0.0080"	kit	26268
	390 mL/min	Siltek Treated	0.0090"	kit	26286
	390 mL/min	Stainless Steel	0.0090"	kit	26269
	>1000 mL/min	Siltek Treated	0.0130"	kit	26287
	>1000 mL/min	Stainless Steel	0.0130"	kit	26270







**Passive Air Sampling Kits—Integrated** (Stainless Steel & Siltek Treated)

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
Passive Air Sampling Kit	0.5–2 mL/min	Siltek Treated	0.0008"	kit	24217
	0.5–2 mL/min	Stainless Steel	0.0008"	kit	24216
	2–4 mL/min	Siltek Treated	0.0012"	kit	24160
	2–4 mL/min	Stainless Steel	0.0012"	kit	24165
	4–8 mL/min	Siltek Treated	0.0016"	kit	24161
	4–8 mL/min	Stainless Steel	0.0016"	kit	24166
	8–15 mL/min	Siltek Treated	0.0020"	kit	24162
	8–15 mL/min	Stainless Steel	0.0020"	kit	24167
	15–30 mL/min	Siltek Treated	0.0030"	kit	24163
	15–30 mL/min	Stainless Steel	0.0030"	kit	24168
	30–80 mL/min	Siltek Treated	0.0060"	kit	24164
	30–80 mL/min	Stainless Steel	0.0060"	kit	24169
	80–340 mL/min	Siltek Treated	0.0090"	kit	22101
	80–340 mL/min	Stainless Steel	0.0090"	kit	22100



Vacuum/pressure gauge included in kit; air sampling canisters sold separately.

**Passive Air Sampling Kits—Soil Gas** (Stainless Steel & Siltek Treated)

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
Soil Gas Sampling Kit	210 mL/min	Siltek Treated	0.0065"	kit	22935
	210 mL/min	Stainless Steel	0.0065"	kit	22930
	150 mL/min	Siltek Treated	0.0055"	kit	22936
	150 mL/min	Stainless Steel	0.0055"	kit	22931
	80 mL/min	Siltek Treated	0.0040"	kit	22937
	80 mL/min	Stainless Steel	0.0040"	kit	22932
	30 mL/min	Siltek Treated	0.0025"	kit	26337
	30 mL/min	Stainless Steel	0.0025"	kit	26336
	19 mL/min	Siltek Treated	0.0020"	kit	22938
	19 mL/min	Stainless Steel	0.0020"	kit	22933
	6 mL/min	Siltek Treated	0.0014"	kit	22939
	6 mL/min	Stainless Steel	0.0014"	kit	22934



**PUF Glass Holders**

Description	Size	qty.	cat.#
Large PUF Glass Holder	fits 6 cm OD PUF Plug (4.9" L x 2.5" OD)	ea.	22964
Small PUF Glass Holder	fits 22 mm OD PUF Plug (4.4" L x 0.9" OD)	ea.	22965



**radiello Passive Diffusive Air Samplers**

Description	Type	qty.	cat.#
White diffusive body for general use	Samplers and Diffusive Bodies	20-pk.	RAD120
Blue diffusive body (same as white, but opaque to light)	Samplers and Diffusive Bodies	20-pk.	RAD1201
Yellow diffusive body (for thermal desorption cartridge RAD145)	Samplers and Diffusive Bodies	20-pk.	RAD1202
Permeative body for anesthetic gases/vapors	Samplers and Diffusive Bodies	20-pk.	RAD1203
Sterile sampler for anesthetic gases and vapors	Samplers and Diffusive Bodies	10-pk.	RAD125
radiello cart. VOCs CS2 desorption SS net (100 mesh, 5.9 mm dia), activated charcoal (35-50 mesh)	Samplers and Diffusive Bodies	20-pk.	RAD130
Starter kit: 1 complete sampler for BTEX/VOCs, CS2 desorption, white diffusive body, cartridge + blank, support plate, adaptor	Samplers and Diffusive Bodies	kit	RAD130S
radiello cart. Anesthetic gases/vapors SS net w/ mix of mol sieve & activated charcoal (35-50 mesh)	Samplers and Diffusive Bodies	20-pk.	RAD132
radiello cart. Thermal desorption SS net (3 x 8 µm mesh, 4.8 mm dia), 350 mg Carbopack X (40-60 mesh)	Samplers and Diffusive Bodies	20-pk.	RAD141
Starter kit: 1 complete sampler for 1,3-butadiene & isoprene, thermal desorption, yellow diffusive body, cartridge + blank, support plate, adaptor	Samplers and Diffusive Bodies	kit	RAD141S
radiello cart. VOCs thermal desorption SS net (3 x 8 µm mesh, 4.8 mm dia), 350 mg Carbograph 4 (40-60 mesh)	Samplers and Diffusive Bodies	20-pk.	RAD145
Starter kit: 1 complete sampler for BTEX/VOCs, thermal desorption, yellow diffusive body, cartridge + blank, support plate, adaptor	Samplers and Diffusive Bodies	kit	RAD145S
radiello cart. Phenol, methylphenol and dimethylphenol TD - SS net (100 mesh, 4.8 mm dia), 250 mg Tenax-TA	Samplers and Diffusive Bodies	20-pk.	RAD147
radiello cart. Aldehydes SS net w/ 2,4-DNPH coated Florisil	Samplers and Diffusive Bodies	20-pk.	RAD165
radiello cart. HF, NO2, & SO2- microporous PE coated w/ wet TEA	Samplers and Diffusive Bodies	20-pk.	RAD166
radiello cart. NH3 microporous PE impregnated w/ phosphoric acid	Samplers and Diffusive Bodies	20-pk.	RAD168
radiello cart. HCl SS net w/ silica gel (0.1-0.4 µm particle size)	Samplers and Diffusive Bodies	20-pk.	RAD169
radiello cart. H2S microporous PE impregnated with zinc acetate	Samplers and Diffusive Bodies	20-pk.	RAD170



Continued



Description	Type	qty.	cat.#
Starter kit: 1 complete sampler for H2S, white diffusive body, cartridge + blank, support plate, adaptor radiello cart. Ozone microporous PE tube with silica gel coated with 4,4' dipyridylethylene	Samplers and Diffusive Bodies	kit	<a href="#">RAD1705</a>
Triangular support plates	Samplers and Diffusive Bodies	20-pk.	<a href="#">RAD172</a>
Vertical adaptors for personal sampling	Sampler Accessories	20-pk.	<a href="#">RAD121</a>
Vertical snap ring adaptors for ready-to-use sampler	Sampler Accessories	20-pk.	<a href="#">RAD122</a>
Polycarbonate caps for ready-to-use sampler	Sampler Accessories	20-pk.	<a href="#">RAD1241</a>
Polypropylene containers for ready-to-use sampler	Sampler Accessories	20-pk.	<a href="#">RAD1242</a>
Empty glass tubes with stopper, 2.8 mL	Sampler Accessories	100-pk.	<a href="#">RAD1991</a>
Empty plastic tubes with stopper, 12 mL	Sampler Accessories	100-pk.	<a href="#">RAD1992</a>
Thermometer Kit (3x RAD1222 with Thermometer)	Electronic Devices	3-pk.	<a href="#">RAD126</a>
Thermometer Kit (3x RAD1221 with Thermometer)	Electronic Devices	3-pk.	<a href="#">RAD1261</a>
Thermometer reader	Electronic Devices	ea.	<a href="#">RAD127</a>
Clips to suspend triangular plates	Sampler Housing	20-pk.	<a href="#">RAD195</a>
Outdoor sampling shelter	Sampler Housing	10-pk.	<a href="#">RAD196</a>
Strips to suspend outdoor shelter	Sampler Housing	100-pk.	<a href="#">RAD198</a>

## RAVE+ Diaphragm Air Valves For Restek air sampling canisters

Description	Material	qty.	cat.#
1/4" Diaphragm Valve, RAVE+ (2-port)	Stainless Steel	ea.	<a href="#">27325</a>
	Siltek Treated	ea.	<a href="#">27326</a>
1/4" Diaphragm Valve, RAVE+ (3-port)	Stainless Steel	ea.	<a href="#">27327</a>
	Siltek Treated	ea.	<a href="#">27328</a>



27325

## RAVE+ Guards

Description	Material	qty.	cat.#
RAVE+ Guard: 2 µm Frit Filter & Holder	Stainless Steel	ea.	<a href="#">27292</a>
	Siltek-Treated Stainless Steel	ea.	<a href="#">27293</a>
RAVE+ Guard: 7 µm Frit Filter & Holder	Stainless Steel	ea.	<a href="#">27294</a>
	Siltek-Treated Stainless Steel	ea.	<a href="#">27295</a>
RAVE+ Guard: Holder without Frit Filter	Stainless Steel	ea.	<a href="#">27296</a>
	Siltek-Treated Stainless Steel	ea.	<a href="#">27297</a>



## RAVE+, RAVE, and RAVEn Diaphragm Rebuild Kit

Description	Includes	Material	qty.	cat.#
RAVE+, RAVE, and RAVEn Diaphragm Rebuild Kit	a tube of grease; two screws; a bonnet (metal ring); a button assembly (small white circular piece); and a diaphragm stack (thin metal disks)	Stainless Steel	kit	<a href="#">26389</a>
	a tube of grease; two screws; a bonnet (metal ring); a button assembly (small white circular piece); and a diaphragm stack (Siltek-treated thin metal disks)	Siltek Treated	kit	<a href="#">26390</a>



26389

## RAVEn Diaphragm Valves For Entech air sampling canisters

Description	Material	Used with	qty.	cat.#
1/4" Diaphragm Valve, RAVEn (2-Port)	Stainless Steel	Entech air sampling canisters	ea.	<a href="#">27376</a>
	Siltek Treated	Entech air sampling canisters	ea.	<a href="#">27377</a>
1/4" Diaphragm Valve, RAVEn (3-Port)	Stainless Steel	Entech air sampling canisters	ea.	<a href="#">27378</a>
	Siltek Treated	Entech air sampling canisters	ea.	<a href="#">27379</a>



27376

## RAVEqc Caps

Description	qty.	Similar to Part #	cat.#
Female RAVEqc Premium Quick-Connect Cap	ea.		<a href="#">27353</a>
Female RAVEqc Standard Cap	ea.	Entech 30-22070	<a href="#">27354</a>



## RAVEqc Quick-Connect Air Valves

Description	Material	Note	qty.	Similar to Part #	cat.#
Female RAVEqc Valve to 1/16" Male Compression Fitting	Stainless Steel		ea.	Entech FQT-100	<a href="#">27341</a>
	Siltek Treated		ea.	Entech FQT-100S	<a href="#">27342</a>



Continued



Description	Material	Note	qty.	Similar to Part #	cat.#
Female RAVEqc Valve to 1/8" Male Compression Fitting	Stainless Steel		ea.	Entech FQT-200	27343
	Siltek Treated		ea.	Entech FQT-200S	27344
Female RAVEqc Valve to 1/4" Male Compression Fitting, High-Flow, Open-Position	Stainless Steel		ea.		27345
	Siltek Treated		ea.		27346
Female RAVEqc Valve to 1/4" Tube-End Fitting	Stainless Steel		ea.	Entech FQT-T400	27347
	Siltek Treated		ea.	Entech FQT-T400S	27348
Male RAVEqc 3-Port Valve to 1/4" Male Compression Fitting without Gauge	Stainless Steel		ea.	Entech MQT-400L-D	27349
	Siltek Treated		ea.	Entech MQT-400L-DS	27350
Male RAVEqc 3-Port Valve to 1/4" Male Compression Fitting with Gauge	Stainless Steel		ea.	Entech MQT-400L-G	27351
	Siltek Treated		ea.	Entech MQT-400L-GS	27352
Male RAVEqc Valve to 1/4" Male Compression Fitting	Stainless Steel		ea.	Entech MQT-400	27367
	Siltek Treated		ea.	Entech MQT-400S	27368
Female RAVEqc Valve to 1/4" Male Compression Fitting	Stainless Steel		ea.	Entech FQT-400	27369
	Siltek Treated		ea.	Entech FQT-400S	27370
Male RAVEqc Valve to 1/4" Tube End Fitting, Extended (1.58")	Stainless Steel	Requires a 1/4" nut and ferrule set, sold separately in 5-pks. as cat.# 23161.	ea.	Entech MQT-T400	27371
	Siltek Treated	Requires a 1/4" nut and ferrule set, sold separately in 5-pks. as cat.# 23161.	ea.	Entech MQT-T400S	27372
Male RAVEqc Valve to 1/4" Tube End Fitting, Short (1.23")	Stainless Steel	Requires a 1/4" nut and ferrule set, sold separately in 5-pks. as cat.# 23161.	ea.	Entech MQT-ST400	27373
	Siltek Treated	Requires a 1/4" nut and ferrule set, sold separately in 5-pks. as cat.# 23161.	ea.	Entech MQT-ST400S	27374
Female RAVEqc Valve to 1/4" NPT Fitting	Stainless Steel		ea.		27365
	Siltek Treated		ea.		27366

\* Open-position option available to prevent vacuum/pressure from being trapped by the valve when desired (e.g., when using a vacuum/pressure gauge). High flow facilitates use with canister-cleaning ovens.

### RAVEqc Valve Bracket

Description	qty.	cat.#
RAVEqc Valve Bracket, for Attaching to Restek Canister	ea.	27375



27375

### Raw Polyurethane Foam (PUF) Plugs

Description	Size	qty.	cat.#
Large PUF Plug, Unwashed	6 cm OD x 7.6 cm length	10-pk.	22954
	6 cm OD x 5.1 cm length	10-pk.	22955
	6 cm OD x 2.5 cm length	10-pk.	22956
Small PUF Plug, Unwashed	22 mm OD x 7.6 cm length	10-pk.	22957



### Replacement 1/8" Quick-Connect Body for Aura Personal Air Samplers

Description	qty.	cat.#
Replacement 1/8" Quick-Connect Body for Aura Personal Air Sampler	ea.	26482
Replacement 1/8" Quick-Connect Body with 1/4" Adaptor for Aura Personal Air Sampler	ea.	26483



26483

### Replacement 10 µm Frits for Grab Sampling Kits (Stainless Steel & Siltek Treated)

Description	Material	qty.	cat.#
10 µm Frit for Grab Sampling Kit	Siltek-Treated	3-pk.	26296
	Stainless Steel	3-pk.	26279



### Replacement 2 µm Frits for Aura Personal Air Samplers

Description	qty.	cat.#
2 µm Frit for Aura Personal Air Sampler	ea.	26477
	10-pk.	26478



26477

### Replacement Combination Vacuum/Pressure Gauges

Description	qty.	cat.#
-30" Hg/15 psi Vacuum/Pressure Gauge	ea.	24100
-30" Hg/30 psi Vacuum/Pressure Gauge	ea.	24104
-30" Hg/60 psi Vacuum/Pressure Gauge	ea.	24108





### Replacement Filter with 2 µm Frit for Aura Personal Air Samplers

Description	qty.	cat.#
Filter with 2 µm Frit for Aura Personal Air Samplers	ea.	26479



26479

### Replacement Fittings for Grab Sampling Kits (Stainless Steel & Siltek Treated)

Description	Material	Orifice Size	qty.	cat.#
Replacement Fitting for Grab Sampling Kit	Siltek-Treated	0.0018"	ea.	26288
	Stainless Steel	0.0018"	ea.	26271
	Siltek-Treated	0.0020"	ea.	26289
	Stainless Steel	0.0020"	ea.	26272
	Siltek-Treated	0.0030"	ea.	26290
	Stainless Steel	0.0030"	ea.	26273
	Siltek-Treated	0.0040"	ea.	26291
	Stainless Steel	0.0040"	ea.	26274
	Siltek-Treated	0.0055"	ea.	26292
	Stainless Steel	0.0055"	ea.	26275
	Siltek-Treated	0.0080"	ea.	26293
	Stainless Steel	0.0080"	ea.	26276
	Siltek-Treated	0.0090"	ea.	26294
	Stainless Steel	0.0090"	ea.	26277
	Siltek-Treated	0.0130"	ea.	26295
	Stainless Steel	0.0130"	ea.	26278



### Replacement Orifices (Stainless Steel & Siltek Treated)

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
Replacement Orifice	0.5–2 mL/min	Siltek-Treated	0.0008"	ea.	24219
	0.5–2 mL/min	Stainless Steel	0.0008"	ea.	24218
	2–4 mL/min	Siltek-Treated	0.0012"	ea.	24233
	2–4 mL/min	Stainless Steel	0.0012"	ea.	24245
	4–8 mL/min	Siltek-Treated	0.0016"	ea.	24234
	4–8 mL/min	Stainless Steel	0.0016"	ea.	24246
	8–15 mL/min	Siltek-Treated	0.0020"	ea.	24235
	8–15 mL/min	Stainless Steel	0.0020"	ea.	24247
	15–30 mL/min	Siltek-Treated	0.0030"	ea.	24236
	15–30 mL/min	Stainless Steel	0.0030"	ea.	24248
	30–80 mL/min	Siltek-Treated	0.0060"	ea.	24237
	30–80 mL/min	Stainless Steel	0.0060"	ea.	24249
	80–340 mL/min	Siltek-Treated	0.0090"	ea.	22099
	80–340 mL/min	Stainless Steel	0.0090"	ea.	22098



24249

### Replacement Parts for Vacuum Bag Sampler

Description	qty.	cat.#
Replacement Battery for Vacuum Bag Sampler Model 1062	ea.	22119
Universal Battery Charger for Vacuum Bag Sampler Model 1062 (115/230 VAC)	ea.	22120



22120

### Replacement Septa for Gas Sampling Bags

Description	Diameter	Thickness	Used with	Note	qty.	cat.#
Replacement Septa for Gas Sampling Bags*, PTFE-Faced Silicone	4.95 mm (0.195")	1.65 mm (0.065")	Polypropylene Valves	* Cat.# 22104-A is compatible with gas sampling bags purchased from Restek after June 2019.	10-pk.	22104-A
Replacement Septa for Gas Sampling Bags, PTFE-Faced Silicone	9.52 mm (0.375")	2.5 mm (0.100")	Stainless-Steel Valves		10-pk.	26471



### Replacement Swagelok SS4H Bellows Valve

Description	Material	qty.	cat.#
Replacement 1/4" Swagelok SS4H Bellows-Sealed Valve (2-port)	Stainless Steel	ea.	24148

Replacement 1/4" Swagelok SS4H bellows-sealed valves are available on SilcoCan canisters as a custom product. Contact Technical Service for more information.



24148

**Replacement Tees w/Orifice for Soil Gas Sampler Kits (Stainless Steel & Siltek Treated)**

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
Soil Gas Sampler Replacement Tee w/Orifice	210 mL/min	Siltek-Treated	0.0065"	ea.	22945
	210 mL/min	Stainless Steel	0.0065"	ea.	22940
	150 mL/min	Siltek-Treated	0.0055"	ea.	22946
	150 mL/min	Stainless Steel	0.0055"	ea.	22941
	80 mL/min	Siltek-Treated	0.0040"	ea.	22947
	80 mL/min	Stainless Steel	0.0040"	ea.	22942
	30 mL/min	Siltek-Treated	0.0025"	ea.	26339
	30 mL/min	Stainless Steel	0.0025"	ea.	26338
	19 mL/min	Siltek-Treated	0.0020"	ea.	22948
	19 mL/min	Stainless Steel	0.0020"	ea.	22943
	6 mL/min	Siltek-Treated	0.0014"	ea.	22949
	6 mL/min	Stainless Steel	0.0014"	ea.	22944

**Rocker Accessories for Vacuum Pumps**

Description	Instrument	Includes	qty.	cat.#
Conversion Kit	for Rocker 300/500 to 320/520	hex spanner #10 (1); hex spanner #12 (1); L-type hex Allen key #3 (1); L-type hex Allen key #5 (1); and moisture trap/vacuum regulator for Rocker series compressor (1)	kit	27464
	for Rocker 400 to 420	hex spanner #10 (1); hex spanner #12 (1); L-type hex Allen key #3 (1); L-type hex Allen key #5 (1); and moisture trap/vacuum regulator for Rocker series compressor (1)	kit	27465
Repair Kit	for Rocker 300/500 (for PPS cylinder block)	on/off switch (1); moisture trap with drain valve (1); air filter [air outlet], (1); rubber valve plates (2); Prote filter cartridge [overflow protection] for Rocker 300/400/410/430 (1); connecting rod set (1); and O-ring (1)	kit	27452
	for Rocker 400 (for PPS cylinder block)	on/off switch (1); moisture trap with drain valve (1); air filters [air outlets], (2); rubber valve plates (4); Prote filter cartridge [overflow protection] for Rocker 300/400/410/430 (1); connecting rod sets (2); and O-rings (2)	kit	27455
	for Rocker 410 (new cylinder block)	on/off switch (1); moisture trap with drain valve (1); air filter [air outlet], (1); rubber valve plates (4); Prote filter cartridge [overflow protection] for Rocker 300/400/410/430 (1); connecting rod sets (2); and O-rings (2)	kit	27456
Plastic Bottle Trap w/ Flow Regulator			ea.	27446
Vacuum Regulator/Moisture Trap	for Rocker Compressor Series		ea.	27444
	for Rocker Vacuum Series		ea.	27442

**Rocker Vacuum Pumps**

Description	Instrument	Flow Capacity	Used with	Voltage	qty.	cat.#
Vacuum Pump	Rocker 300	21 L/min		AC110 V, 60 Hz	ea.	27424
	Rocker 300	18 L/min		AC220 V, 50 Hz	ea.	27425
	Rocker 300DC	25 L/min	For use with automotive type 12 V battery.	DC Power (12 V)	ea.	27447
	Rocker 400	37 L/min		AC110 V, 60 Hz	ea.	27432
	Rocker 400	34 L/min		AC220 V, 50 Hz	ea.	27433
	Rocker 410	23 L/min		AC110 V, 60 Hz	ea.	27434
	Rocker 410	20 L/min		AC220 V, 50 Hz	ea.	27435
	Rocker 500	28 L/min		AC110 V, 60 Hz	ea.	27436
	Rocker 500	23 L/min		AC220 V, 50 Hz	ea.	27437

**SafeLok Sorbent Tubes**

Description	Dimensions	Material	Packing	Type	qty.	cat.#
SafeLok Sorbent Tubes	1/4" OD x 3.5" long	Stainless Steel	Tenax TA/Carbograph 1TD/Carboxen 1003	Unconditioned & Uncapped	10-pk.	26469
	1/4" OD x 3.5" long	Stainless Steel	Tenax TA/Carbograph 1TD/Carboxen 1003	Conditioned & Capped	10-pk.	26470

Tenax is a trademark of Buchem BV. Carboxen is a trademark of Sigma-Aldrich.

**Sample Inlets (Stainless Steel & Siltek Treated)**

Description	Length	Material	qty.	cat.#
Sample Inlet	6"	Stainless Steel	ea.	26209
	6"	Siltek-Treated	ea.	26210
	1.5"	Stainless Steel	ea.	26211
	1.5"	Siltek-Treated	ea.	26212







### SDVB Resin

Description	qty.	cat.#
SDVB Resin	1 kg	24053



24053

### SilcoCan Air Sampling Canisters with RAVE+ Valves

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

### Swagelok Replacement O-Ring for VCO O-Ring Face Seal Fittings

Description	Material	Vendor cat.#	qty.	cat.#
Replacement O-Ring, 70 Durometer Fluorocarbon FKM, VCO 1/4", Size 010	Stainless Steel	VT-7-OR-010	10-pk.	23208

### Swagelok Tube End Reducer (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Tube End Reducer	1/4" to 1/16"	Brass	B-100-R-4	5-pk.	Supelco/Millipore Sigma 22701	23127
	1/4" to 1/16"	Stainless Steel	SS-100-R-4	2-pk.	Supelco/Millipore Sigma 22702	23177
	1/4" to 1/8"	Brass	B-200-R-4	5-pk.	Parker 4TUR2-B; Supelco/Millipore Sigma 21516	23129
	1/4" to 1/8"	Stainless Steel	SS-200-R-4	2-pk.	Supelco/Millipore Sigma 21517	23179
	1/4" to 1/16"	Siltek/Sulfinert-Treated	SS-100-R-4	ea.		22554
	1/4" to 1/8"	Siltek/Sulfinert-Treated	SS-200-R-4	ea.		22556
	1/4" to 1/8"	Silcosteel-CR Treated	SS-200-R-4	ea.		22591
	1/8" to 1/16"	Brass	B-100-R-2	5-pk.	Parker 2TUR1-B; Supelco/Millipore Sigma 22017-U	23126
	1/8" to 1/16"	Stainless Steel	SS-100-R-2	2-pk.	Supelco/Millipore Sigma 22043	23176
	1/8" to 1/4"	Brass	B-400-R-2	5-pk.	Parker 2TUR4-B; Supelco/Millipore Sigma 22006	23128
	1/8" to 1/4"	Stainless Steel	SS-400-R-2	2-pk.	Supelco/Millipore Sigma 22032	23178
	1/8" to 1/16"	Siltek/Sulfinert-Treated	SS-100-R-2	ea.		22553
	1/8" to 1/16"	Silcosteel-CR Treated	SS-100-R-2	ea.		22588
	1/8" to 1/4"	Siltek/Sulfinert-Treated	SS-400-R-2	ea.		22555



Note: Nuts and ferrules are not treated unless requested (custom parts). Nuts and ferrules normally are not in contact with sample pathway, and thus do not require coating.

### Swagelok VCO O-Ring Face Seal Fittings (Stainless Steel)

Description	Material	Vendor cat.#	qty.	cat.#
1/4" VCO to 1/4" Tube Adaptor	Stainless Steel	SS-4-VCO-3-4TA	2-pk.	23207
1/4" VCO to 1/8" Tube Fitting	Stainless Steel	SS-4-VCO-6-200	2-pk.	23215





## Tedlar Sampling Bags

Description	Dimensions	Modification	Volume	qty.	cat.#
	6" x 6"	Polypropylene Valve and Septum Fitting	0.5 L	10-pk.	22049
	7" x 7"	Polypropylene Valve and Septum Fitting	1 L	10-pk.	22050
	9.5" x 10"	Polypropylene Valve and Septum Fitting	3 L	10-pk.	22051
	12" x 12.5"	Polypropylene Valve and Septum Fitting	5 L	10-pk.	22052
	11.75" x 22"	Polypropylene Valve and Septum Fitting	10 L	10-pk.	22053
	13" x 24"	Polypropylene Valve and Septum Fitting	12 L	10-pk.	22054
	17.5" x 24"	Polypropylene Valve and Septum Fitting	25 L	5-pk.	22055
	24" x 24.25"	Polypropylene Valve and Septum Fitting	40 L	5-pk.	22056
	28.25" x 30.5"	Polypropylene Valve and Septum Fitting	80 L	5-pk.	22057
	28" x 36"	Polypropylene Valve and Septum Fitting	100 L	3-pk.	22058
	6" x 6"	Stainless-Steel Push/Pull Valve & Septum Fitting	0.5 L	10-pk.	27380
	7" x 7"	Stainless-Steel Push/Pull Valve & Septum Fitting	1 L	10-pk.	27381
	9.5" x 10"	Stainless-Steel Push/Pull Valve & Septum Fitting	3 L	10-pk.	27382
	12" x 12.5"	Stainless-Steel Push/Pull Valve & Septum Fitting	5 L	10-pk.	27383
	11.75" x 22"	Stainless-Steel Push/Pull Valve & Septum Fitting	10 L	10-pk.	27384
	13" x 24"	Stainless-Steel Push/Pull Valve & Septum Fitting	12 L	10-pk.	27385
	17.5" x 24"	Stainless-Steel Push/Pull Valve & Septum Fitting	25 L	5-pk.	27386
	24" x 24.25"	Stainless-Steel Push/Pull Valve & Septum Fitting	40 L	5-pk.	27387
	28.25" x 30.5"	Stainless-Steel Push/Pull Valve & Septum Fitting	80 L	3-pk.	27388
	28" x 36"	Stainless-Steel Push/Pull Valve & Septum Fitting	100 L	3-pk.	27389
	6" x 6"	Stainless-Steel Push/Pull Valve Only	0.5 L	10-pk.	27390
	7" x 7"	Stainless-Steel Push/Pull Valve Only	1 L	10-pk.	27391
	9.5" x 10"	Stainless-Steel Push/Pull Valve Only	3 L	10-pk.	27392
	12" x 12.5"	Stainless-Steel Push/Pull Valve Only	5 L	10-pk.	27393
	11.75" x 22"	Stainless-Steel Push/Pull Valve Only	10 L	5-pk.	27394
	13" x 24"	Stainless-Steel Push/Pull Valve Only	12 L	5-pk.	27395
	17.5" x 24"	Stainless-Steel Push/Pull Valve Only	25 L	5-pk.	27396
	24" x 24.25"	Stainless-Steel Push/Pull Valve Only	40 L	5-pk.	27397
	28.25" x 30.5"	Stainless-Steel Push/Pull Valve Only	80 L	3-pk.	27398
	28" x 36"	Stainless-Steel Push/Pull Valve Only	100 L	3-pk.	27399



Tedlar Sampling Bag

**Thermal Desorption (TD) Tubes** (Unconditioned and Conditioned & Capped)

Description	Material	Packing	Type	qty.	cat.#
TD Tubes	Stainless Steel	Tenax TA (35/60 mesh)	Unconditioned	10-pk.	24056
	Glass	Tenax TA (35/60 mesh)	Unconditioned	10-pk.	24062
	Stainless Steel	Graphitized Carbon (20/40 mesh)	Unconditioned	10-pk.	24057
	Glass	Graphitized Carbon (20/40 mesh)	Unconditioned	10-pk.	24063
	Stainless Steel	Tenax GR (35/60 mesh)/Carbopack B (60/80 mesh)	Unconditioned	10-pk.	24058
	Glass	Tenax GR (35/60 mesh)/Carbopack B (60/80 mesh)	Unconditioned	10-pk.	24064
	Stainless Steel	Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Unconditioned	10-pk.	24059
	Glass	Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Unconditioned	10-pk.	24065
	Stainless Steel	Tenax TA (35/60 mesh)/Graphitized Carbon (40/60 mesh)/Carboxen 1000 (60/80 mesh)	Unconditioned	10-pk.	24060
	Glass	Tenax TA (35/60 mesh)/Graphitized Carbon (40/60 mesh)/Carboxen 1000 (60/80 mesh)	Unconditioned	10-pk.	24066
	Stainless Steel	Carbopack C (60/80 mesh)/Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Unconditioned	10-pk.	24061
	Glass	Carbopack C (60/80 mesh)/Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Unconditioned	10-pk.	24067
	Stainless Steel	Tenax TA (35/60 mesh)	Conditioned & Capped	10-pk.	24080
	Glass	Tenax TA (35/60 mesh)	Conditioned & Capped	10-pk.	24086
	Stainless Steel	Graphitized Carbon (20/40 mesh)	Conditioned & Capped	10-pk.	24081
	Glass	Graphitized Carbon (20/40 mesh)	Conditioned & Capped	10-pk.	24087
	Stainless Steel	Tenax GR (35/60 mesh)/Carbopack B (60/80 mesh)	Conditioned & Capped	10-pk.	24082
	Glass	Tenax GR (35/60 mesh)/Carbopack B (60/80 mesh)	Conditioned & Capped	10-pk.	24088
	Stainless Steel	Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Conditioned & Capped	10-pk.	24083
	Glass	Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Conditioned & Capped	10-pk.	24089
Stainless Steel	Tenax TA (35/60 mesh)/Graphitized Carbon (40/60 mesh)/Carboxen 1000 (60/80 mesh)	Conditioned & Capped	10-pk.	24084	
Glass	Tenax TA (35/60 mesh)/Graphitized Carbon (40/60 mesh)/Carboxen 1000 (60/80 mesh)	Conditioned & Capped	10-pk.	24090	
Stainless Steel	Carbopack C (60/80 mesh)/Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Conditioned & Capped	10-pk.	24085	
Glass	Carbopack C (60/80 mesh)/Carbopack B (60/80 mesh)/Carbosieve SIII (60/80 mesh)	Conditioned & Capped	10-pk.	24091	

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**Thermal Desorption Tubes** (Empty)

Description	Material	Packing	qty.	cat.#
TD Tubes	Stainless Steel	Empty	10-pk.	24054
	Glass	Empty	10-pk.	24055

24054

**Thermal Desorption Tubes** (Calibration)

Description	Material	Packing	qty.	cat.#
TD Tubes, Calibration	Glass	Tenax TA 1 cm Bed (35/60 mesh)	10-pk.	24076

24076

**Thermal Desorption Tubes** (Accessories)

Description	qty.	cat.#
1/4" Brass Cap and PTFE Ferrules (for long-term storage of blank/sampled tubes)	20-pk.	24068
1/4" PTFE Ferrules (for use with long-term storage caps)	20-pk.	24069
CapLok Tool (for tightening long-term storage caps)	2-piece set	24070
Pen Clip (for fastening thermal desorption tubes to clothing when passive occupational exposure sampling)	10-pk.	24071
TubeMate Tool (for tube packing)	ea.	24072
1/4" Stainless Steel Union and PTFE Ferrules (for connecting tubes in series)	10-pk.	24073
Diffusion Caps (required for diffusive sampling with stainless steel tubes)	10-pk.	24074

**Thermal Desorption Tubes** (Accessories for Calibration Tubes)

Description	qty.	cat.#
Calibration Solution Loading Rig	ea.	24077
Calibration Solution Loading Rig Replacement Septa, 9.5 mm	10-pk.	24078
Certified Reference Standard, 100 ng BTX on Tenax TA	10-pk.	24079

24077





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

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
	3-Port RAVE+ Valve with Gauge*	1 L	ea.	27315
	2-Port RAVE+ Valve	3 L	ea.	27316
	without Valve	15 L	ea.	22097
	3-Port RAVE+ Valve with Gauge*	3 L	ea.	27317
	2-Port RAVE+ Valve	6 L	ea.	27318
	3-Port RAVE+ Valve with Gauge*	6 L	ea.	27319
	2-Port RAVE+ Valve	15 L	ea.	27320
	3-Port RAVE+ Valve with Gauge*	15 L	ea.	27321



\*Range of standard gauge is -30" Hg to 60 psi.  
 Do not exceed canister maximum pressure of 40 psig (2.75 bar).

### TO-Can Air Sampling Canisters with Swagelok SS4H Bellows Valve

Description	Modification	Volume	qty.	cat.#
TO-Can Canister	with Swagelok SS4H Bellows Valve	1 L	ea.	22105
	with Swagelok SS4H Bellows Valve	3 L	ea.	22106
	with Swagelok SS4H Bellows Valve	6 L	ea.	22107
	with Swagelok SS4H Bellows Valve	15 L	ea.	22108



22107

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

### Tubing for Rocker and Chemker Vacuum Pumps

Description	Includes	qty.	cat.#
Silicone Tubing, 6 mm ID, 12 mm OD, 1 m length		ea.	27468
PVC Tubing (mesh style) for high vacuum pumps, 6.35 mm ID, 12.35 mm OD, 152 cm length	Two clamps	ea.	27469



27468

### Ultra-Clean Resin

Description	qty.	cat.#
Ultra-Clean Resin	100 grams	24230



24230

### Vacuum Bag Sampler

Description	Includes	Certification/Compliance	qty.	cat.#
Vacuum Bag Sampler Model 1062	power adaptor, battery, manual	CE	ea.	22118



22118

### Vacuum Gauges

Description	Diameter	Fittings	qty.	cat.#
Vacuum Gauge	2"	1/8" NPT	ea.	24269
	2"	1/4" NPT	ea.	24270
	1 1/2"	1/8" NPT	ea.	24120



24269



**Veriflo Flow Controllers (Stainless Steel & Siltek Treated)**

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#	
Veriflo Flow Controller	0.5–2 mL/min	Siltek-Treated	0.0008"	ea.	<a href="#">24232</a>	
	0.5–2 mL/min	Stainless Steel	0.0008"	ea.	<a href="#">24229</a>	
	2–4 mL/min	Siltek-Treated	0.0012"	ea.	<a href="#">24255</a>	
	2–4 mL/min	Stainless Steel	0.0012"	ea.	<a href="#">24260</a>	
	4–8 mL/min	Siltek-Treated	0.0016"	ea.	<a href="#">24256</a>	
	4–8 mL/min	Stainless Steel	0.0016"	ea.	<a href="#">24261</a>	
	8–15 mL/min	Siltek-Treated	0.0020"	ea.	<a href="#">24257</a>	
	8–15 mL/min	Stainless Steel	0.0020"	ea.	<a href="#">24262</a>	
	15–30 mL/min	Siltek-Treated	0.0030"	ea.	<a href="#">24258</a>	
	15–30 mL/min	Stainless Steel	0.0030"	ea.	<a href="#">24263</a>	
	30–80 mL/min	Siltek-Treated	0.0060"	ea.	<a href="#">24259</a>	
	30–80 mL/min	Stainless Steel	0.0060"	ea.	<a href="#">24264</a>	
	80–340 mL/min	Siltek-Treated	0.0090"	ea.	<a href="#">22103</a>	
	80–340 mL/min	Stainless Steel	0.0090"	ea.	<a href="#">22102</a>	
			Siltek-Treated	without orifice	ea.	<a href="#">24238</a>
			Stainless Steel	without orifice	ea.	<a href="#">24239</a>





## Notes:

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