



Air & Gas Sampling Products



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Rev. date: 08/22



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
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34392-PI
75 Comp TO15 + NJ Mix (Airgas)	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.#
Multi-Component Mixtures						
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
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34515
Carbon monoxide (7%), oxygen (4%), carbon dioxide (15%), and methane (4.5%) in nitrogen	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
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	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
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in nitrogen (15 ppm each)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	3 yr	ea.	34519
	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
	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 5\%$; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34524
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in helium (1000 ppm each)	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
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	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
C1–C6 <i>n</i> -Paraffins: methane, ethane, propane, butane, pentane, hexane in nitrogen (100 ppm each)	48 L @ 300 psig (21 bar)		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34528
	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
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34532-PI
Branched Paraffins: 2,2-dimethylbutane, 2,2-dimethylpropane, isobutane, 2-methylbutane, 2-methylpentane, 3-methylpentane in nitrogen (15 ppm each)	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
	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
Pure Gases						
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
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.80%	3 yr	ea.	34452-PI
Hydrogen	14 L @ 240 psig (17 bar)		99.99%	3 yr	ea.	34453
	110 L @ 1800 psig (124 bar)		99.99%	3 yr	ea.	34566
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.99%	3 yr	ea.	34453-PI
Methane	14 L @ 240 psig (17 bar)		99.00%	3 yr	ea.	34454
	110 L @ 1800 psig (124 bar)		99.00%	3 yr	ea.	34567
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	99.00%	3 yr	ea.	34454-PI
Oxygen	14 L @ 240 psig (17 bar)		99.60%	3 yr	ea.	34455
Two-Component Mixtures						
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
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34464-PI
Carbon dioxide in nitrogen (1000 ppm)	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
	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
Ethylene in air (8–10 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34467
	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
	110 L @ 1800 psig (124 bar)	TPED (Pi) compliant	Blend tolerance: $\pm 5\%$; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34472-PI
Hydrogen in nitrogen (100 ppm)	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
	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
Methane in helium (100 ppm)	14 L @ 240 psig (17 bar)		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34476
	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)	TPED (Pi) compliant	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)		Blend tolerance: $\pm 5\%$; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34483-PI
Nitrogen in helium (100 ppm)	14 L @ 240 psig (17 bar)	TPED (Pi) compliant	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)		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)	TPED (Pi) compliant	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)		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34485-PI
Oxygen in helium (100 ppm)	14 L @ 240 psig (17 bar)	TPED (Pi) compliant	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)		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34480-PI
Oxygen in nitrogen (2%)	14 L @ 240 psig (17 bar)	TPED (Pi) compliant	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)		Blend tolerance: $\pm 5\%$; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34488-PI
	110 L @ 1800 psig (124 bar)		Blend tolerance: $\pm 5\%$; Analytical accuracy: $\pm 2\%$	3 yr	ea.	34491
Oxygen in nitrogen (6%)	48 L @ 300 psig (21 bar)	TPED (Pi) compliant	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)		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)	TPED (Pi) compliant	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)		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	3 yr	ea.	34493-PI
Trichloroethylene in nitrogen (10 ppm)	14 L @ 240 psig (17 bar)	TPED (Pi) compliant	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)		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)	TPED (Pi) compliant	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)		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)	TPED (Pi) compliant	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)		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: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34540
Massachusetts APH Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26366
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	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: $\pm 2\%$; Analytical accuracy: $\pm 2\%$	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: $\pm 2\%$; Analytical accuracy: $\pm 2\%$	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: $\pm 2\%$; Analytical accuracy: $\pm 2\%$	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: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34420
Ozone Precursor Mix/PAMS (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26368
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34420-PI
Ozone Precursor Mix/PAMS (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34429
Ozone Precursor Mix/PAMS (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26369
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26370
	20-60 ppbC (parts per billion expressed as carbon) in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 2\%$; Analytical accuracy: $\pm 2\%$	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

Small Cylinder Stand

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

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
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34430-PI
TO-14A 41 Component Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		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	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26343
	100 ppb in nitrogen, 110 liters @ 1800 psig		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		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
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34433-PI



22690



24129



34561



21118



34430



26342



34430-PI



34431



26343



34431-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	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34404
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26348
TO-14A Aromatics Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		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		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	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34400
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26340
TO-14A Calibration Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		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		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	TPED (Pi) compliant	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		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		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	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34402
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26350
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.	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		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	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34406
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26346
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.	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
	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26347
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.	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: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34412
TO-14A Internal Standard Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	2 yrs	ea.	26352
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	2 yrs	ea.	34412-PI
TO-14A Internal Standard Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34427
TO-14A Internal Standard Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26353
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34408
TO-14A Internal Standard/Tuning Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34408-PI
TO-14A Internal Standard/Tuning Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34425
TO-14A Internal Standard/Tuning Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26355
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34436
	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26359
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34436-PI
TO-15 65 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26360
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	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: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34434
TO-15 Subset 25 Component Mix (Airgas)	1 ppm in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	26357
	1 ppm in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 5\%$	1 yr	ea.	34434-PI
TO-15 Subset 25 Component Mix (Linde)	100 ppb in nitrogen, 104 liters @ 1800 psig		Blend tolerance: $\pm 10\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34435
TO-15 Subset 25 Component Mix (Airgas)	100 ppb in nitrogen, 110 liters @ 1800 psig		Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	26358
	100 ppb in nitrogen, 110 liters @ 1800 psig	TPED (Pi) compliant	Blend tolerance: $\pm 20\%$; Analytical accuracy: $\pm 10\%$	1 yr	ea.	34435-PI

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

Description	Material	Volume	qty.	cat.#
Sample Loops	Sulfinert-Treated	5 μ L	ea.	22840
Sample Loops	Sulfinert-Treated	10 μ L	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	qty.	cat.#
Sulfinert Gas Sampling Valve; 4-Port	ea.	20584
Sulfinert Gas Sampling Valve; 6-Port	ea.	20585
Sulfinert Gas Sampling Valve; 10-Port	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	qty.	cat.#
Replacement Rotor (not coated) for 4-Port Sulfinert Gas Sampling Valve	ea.	20587
Replacement Rotor (not coated) for 6-Port Sulfinert Gas Sampling Valve	ea.	20588
Replacement Rotor (not coated) for 10-Port Sulfinert Gas Sampling Valve	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 & 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



High-Pressure Gas Sampling | Semivolatile Organic Compound (SVOC) Sampling

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, Sulfinit 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, Sulfinit 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, Sulfinit 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, Sulfinit 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, Sulfinit 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 & Sulfinit Treated)

Certification/ Compliance	Description	Diameter	Length	Material	Max Pressure	Volume	Wall Thickness	Weight	qty.	cat.#
TPED (Pi) compliant	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, Sulfinit Treated	5000 psig	150 cc	0.240" (6.1 mm)	3.0 lb (1.4 kg)	ea.	22111
	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, Sulfinit Treated	4350 psig	150 cc	0.088" (2.24 mm)	0.94 lb (0.43 kg)	ea.	22111-PI
TPED (Pi) compliant	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, Sulfinit Treated	5000 psig	300 cc	0.240" (6.1 mm)	5.6 lb (2.5 kg)	ea.	22112
	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, Sulfinit Treated	4350 psig	300 cc	0.088" (2.24 mm)	1.6 lb (0.73 kg)	ea.	22112-PI
TPED (Pi) compliant	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, Sulfinit Treated	5000 psig	500 cc	0.240" (6.1 mm)	9.1 lb (4.1 kg)	ea.	22113
	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, Sulfinit 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.

**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

**Ashcroft Test Gauges**

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

**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

**Canister Air Sampling Timer**

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

**Canister Carrying Box Kit**

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

**Canister Carrying Case**

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



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

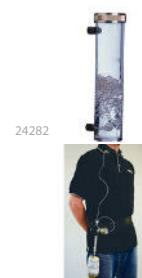
Description	qty.	cat.#
Easy-VOC Grab Sampler	ea.	26468

Sorbent tubes not included.



Humidification Chamber

Description	qty.	cat.#
Humidification Chamber	ea.	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

Air sampling canisters sold separately.



26252

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 mm 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	RAD1705
Triangular support plates	Samplers and Diffusive Bodies	20-pk.	RAD172
Vertical adaptors for personal sampling	Sampler Accessories	20-pk.	RAD121
Vertical snap ring adaptors for ready-to-use sampler	Sampler Accessories	20-pk.	RAD122
Polycarbonate caps for ready-to-use sampler	Sampler Accessories	20-pk.	RAD1241
Polypropylene containers for ready-to-use sampler	Sampler Accessories	20-pk.	RAD1242
Empty glass tubes with stopper, 2.8 mL	Sampler Accessories	100-pk.	RAD1991
Empty plastic tubes with stopper, 12 mL	Sampler Accessories	100-pk.	RAD1992
Thermometer Kit (3x RAD122 with Thermometer)	Electronic Devices	3-pk.	RAD126
Thermometer Kit (3x RAD1221 with Thermometer)	Electronic Devices	3-pk.	RAD1261
Thermometer reader	Electronic Devices	ea.	RAD127
Clips to suspend triangular plates	Sampler Housing	20-pk.	RAD195
Outdoor sampling shelter	Sampler Housing	10-pk.	RAD196
Strips to suspend outdoor shelter	Sampler Housing	100-pk.	RAD198

RAVE+ Diaphragm Air Valves For Restek air sampling canisters

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



27325

RAVE+ Guards

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



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	26389
	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	26390



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.	27376
	Siltek Treated	Entech air sampling canisters	ea.	27377
1/4" Diaphragm Valve, RAVEn (3-Port)	Stainless Steel	Entech air sampling canisters	ea.	27378
	Siltek Treated	Entech air sampling canisters	ea.	27379



27376

RAVEqc Caps

Description	qty.	Similar to Part #	cat.#
Female RAVEqc Premium Quick-Connect Cap	ea.		27353
Female RAVEqc Standard Cap	ea.	Entech 30-22070	27354



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	27341
	Siltek Treated		ea.	Entech FQT-100S	27342



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

Descty.	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	For use with automotive type 12 V battery.	AC110 V, 60 Hz	ea.	27424
	Rocker 300	18 L/min		AC220 V, 50 Hz	ea.	27425
	Rocker 300DC	25 L/min		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.#
Tedlar Sampling Bag	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



**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

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



22107

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.	24232
	0.5–2 mL/min	Stainless Steel	0.0008"	ea.	24229
	2–4 mL/min	Siltek-Treated	0.0012"	ea.	24255
	2–4 mL/min	Stainless Steel	0.0012"	ea.	24260
	4–8 mL/min	Siltek-Treated	0.0016"	ea.	24256
	4–8 mL/min	Stainless Steel	0.0016"	ea.	24261
	8–15 mL/min	Siltek-Treated	0.0020"	ea.	24257
	8–15 mL/min	Stainless Steel	0.0020"	ea.	24262
	15–30 mL/min	Siltek-Treated	0.0030"	ea.	24258
	15–30 mL/min	Stainless Steel	0.0030"	ea.	24263
	30–80 mL/min	Siltek-Treated	0.0060"	ea.	24259
	30–80 mL/min	Stainless Steel	0.0060"	ea.	24264
	80–340 mL/min	Siltek-Treated	0.0090"	ea.	22103
	80–340 mL/min	Stainless Steel	0.0090"	ea.	22102
		Siltek-Treated	without orifice	ea.	24238
		Stainless Steel	without orifice	ea.	24239



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Lit. Cat.# GNMC3906A-UNV