



RESTEK  REFINED  
innovative petrochemical solutions

## Restek MXT<sup>®</sup>-1HT Sim Dist columns

See page 14 for details.

### Get Super-Clean!

Super-Clean Gas Filter & Base Plate Kit

**FREE Base Plate**

with purchase of 2 triple filters

See page 5 for details.



Subscribe online!  
[www.restek.com/essentials](http://www.restek.com/essentials)

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**RESTEK** Chromatography Products



## Replacement Parts for ASE® Systems

Great value for all your ASE® consumable needs!

### Autoseal Tip Assembly

for ASE® 200/300 Systems



Description	Stainless Steel		Siltek Treated	
	qty.	cat.#	qty.	cat.#
Autoseal Tip Assembly for ASE 200 Systems	ea.	26162	ea.	26161
Autoseal Tip Assembly for ASE 300 Systems	ea.	26246	ea.	26247

### Tubing Assembly

for ASE® 200/300 Systems



Description	qty.	cat.#
Tubing Assembly for ASE 200 Systems	ea.	26251
Tubing Assembly for ASE 300 Systems	ea.	26248

### Valves

for ASE® 100/200/300 Systems



Description	qty.	cat.#
Pressure Relief Valve for ASE 100/200/300 Systems	ea.	26159
Static Valve for ASE 100/200/300 Systems	ea.	26160

Find more replacement parts for ASE® systems at [www.restek.com/ase](http://www.restek.com/ase)



### Validated Florisil® Tubes for Pesticide Sample Prep

- Tested for pesticide recovery and TCP break-through per EPA SW-846, Method 3620C.
- For large volumes, use 2g tube for greater savings and efficiency than two 1g tubes in series.

**Florisil (EPA SW 846 methods and CLP protocols)**

3mL/500mg (50-pk.)	6mL/1000mg (100-pk.)	15mL/2g (100-pk.)
24031	26205	26228

Teflon® frits and glass tubes also available.

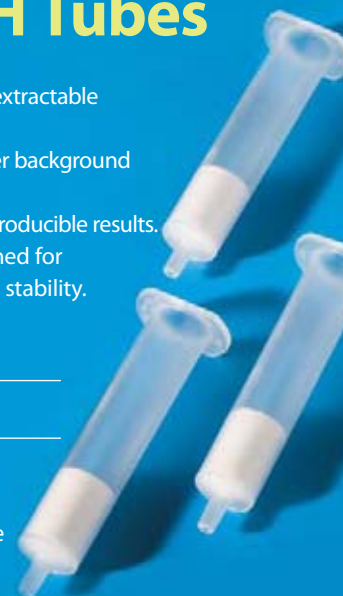
## Mass. EPH Tubes

- Superior fractionation of extractable petroleum hydrocarbons.
- Easier quantification; lower background & less interference.
- Reliable, accurate, and reproducible results.
- Unique packaging designed for convenience and storage stability.

Tube Volume, Bed Weight	qty.	cat.#
20mL, 5g	20-pk.	26065

### Get More!

Search for Application Note  
580135 (p. 14-15) at  
[www.restek.com](http://www.restek.com)





## melamine?

Complete Kit with easy-to-follow instructions  
for detecting melamine down to 1 µg/g

### Melamine Analysis Kit.....cat. # 33254 (kit)

Detect melamine and related compounds by GC/MS.

Kit includes (also sold individually):

- Rxi®-5Sil MS with 5 meter Integra Guard® Column
- Standards
- Derivatization Reagent
- Accessory Tubes and Syringe Filters
- Easy-to-Follow Instructions with procedural check list to simplify laboratory documentation!

**SAVE**  
when you  
buy as a kit

Keep up with advances in melamine analysis at [www.restek.com/melamine](http://www.restek.com/melamine)

## Assure LC/MS/MS System Suitability with our Unique Forensic Drug Screen Test Mixture

### Standards for exempted drugs of abuse available:

- Benzodiazepines
- Cocaine & Metabolites
- Methadone & Metabolites
- Amphetamines & Metabolites
- Opiates & Metabolites
- Cannabinoid & Metabolites
- Barbiturates
- GHB
- LSD
- and others

Increase sample throughput and data quality with  
easy, reliable verification of LC/MS/MS performance.

### Forensic Drug Screen Test Mixture

amiodarone	10 µg/mL	diazepam	10
amphetamine	10	doxepine	10
caffeine	10	haloperidol	1
codeine	10	morphine	10

In P&T methanol, 1mL/ampul

cat. # 36340 (ea.)

### Forensic Drug Screen Internal Standard

D5-diazepam D5-doxepine

10 µg/mL each in P&T methanol, 10mL/ampul

cat. # 36341 (ea.)

## Get More!

For more information on our LC/MS/MS system suitability  
test mix for drug analysis, request lit. cat# CFTS1002.

In addition to these, see our extensive selection of  
NIST-traceable Blood Alcohol Standards at [www.restek.com](http://www.restek.com)

visit [www.restek.com](http://www.restek.com) for all your chromatography needs



## Ultra II<sup>®</sup> LC Columns

**NEW!**

Universal application for **Any LC System**, providing scalability and unsurpassed selectivity on a wide range of particle sizes.

### Available Phases:

C18 • C8 • Biphenyl • PFP Propyl • Aromax  
Aqueous C18 • Silica • IBD • Carbamate • Quat

### Available Particle Sizes:

1.9µm for UHPLC • 2.2µm for UFLC and RRLC  
3µm and 5µm for HPLC

**On SALE NOW!**

Add -712 to end of part number to receive this discount. Offer ends soon!

[www.restek.com/ultra2](http://www.restek.com/ultra2)  
More phases coming soon!

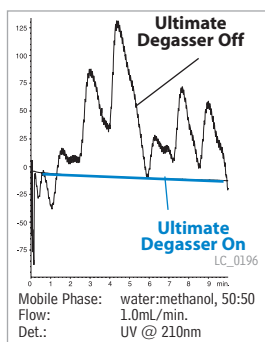
## Mobile Phase Degasser

In-line vacuum degassing

- Prevents oxygen from causing flow rate instability and baseline noise.
- Prevents bubbles from forming in check valves, at connections, or in detector flow cells.
- More effective than sonication or helium sparging.



**Degasys Ultimate Degasser provides highly stable baselines**



### Specifications:

**Residual Oxygen**<sup>1</sup> 0.9ppm  
**Pressure Loss**<sup>1</sup> 0.24psi (1.65kPa)  
**Internal Volume** 500µL

<sup>1</sup>At a flow rate of 1mL/min.

**Wetted Parts** Teflon AF, PTFE, ETFE, PPS  
**Max Flow Rate** 7mL/min./channel

Description	qty.	cat.#	price
110V Mobile Phase Degasser (4 Channel, 7mL/min./channel)	ea.	25189	
220V Mobile Phase Degasser (4 Channel, 7mL/min./channel)	ea.	25194	

To prevent system damage, do not use the Degasys system with solutions containing TFA at concentrations greater than 5%.

## HPLC Mixers

- **Reduced baseline noise.**
- **Increased sensitivity.**
- **Improved gradient accuracy, for more reproducible results.**
- **Increased reaction efficiency in post-column derivatization.**

### HyperShear Static In-Line Mixers



Description	Stainless Steel			PEEK		
	qty.	cat.#	price	qty.	cat.#	price
1µL In-Line Mixer	ea.	26409		ea.	26410	
25µL In-Line Mixer	ea.	26411		ea.	26412	
50µL In-Line Mixer	ea.	25341		ea.	26413	
150µL In-Line Mixer	ea.	25342		ea.	26414	
250µL In-Line Mixer	ea.	25343		ea.	26415	

### Ternary Tee Mixer

- An efficient cross-flow shearing mechanism and interchangeable cartridges produce vortex shear mixing over a wide range of flows
- Stainless steel construction

Description	qty.	cat.#	price
25µL Ternary Tee Mixer	ea.	25138	



## Filters

### Reduce Solvent Waste with the Last Drop Filter

- Stop wasting money with conventional methods that typically leave 10% of your mobile phase behind.
- Draw 98% of the mobile phase without drawing air into the system.



Description	qty.	cat.#
Last Drop Filter: 2 $\mu$ m	ea.	25314
Last Drop Filter: 10 $\mu$ m	ea.	25315

### Mobile Phase Sparger Inlet Filter

The 2 $\mu$ m helium sparge filter is an inexpensive way to prepare and maintain mobile phases free of dissolved gas. Both filters are made from 316 stainless steel and PEEK™ and are compatible with most solvents.



Description	qty.	cat.#
Mobile Phase Sparge Filter: 2 $\mu$ m	ea.	25311
Inlet Filter: 10 $\mu$ m	ea.	25312
Inlet Filter: 20 $\mu$ m	ea.	25313

### Membrane Microfiltration Glassware

- 47mm filtration apparatus with fritted glass support ideal for corrosive liquids and removal of particles from HPLC solvents.
- Ground joint connection eliminates phthalate contamination that can occur when using silicone or neoprene stoppers.
- Includes a funnel, an anodized aluminum clamp, a 47mm fritted glass support base, and a filtration flask.



All-Glass Microfiltration Apparatus	qty.	cat.#
300mL Funnel, 1000mL Flask	ea.	KT953825-0000
500mL Funnel, 2000mL Flask	ea.	KT953835-0000
1000mL Funnel, 4000mL Flask	ea.	KT953845-0000
Replacement Parts for Microfiltration Apparatus	qty.	cat.#
40/35 PTFE Joint Sleeve	6-pk.	KT676001-4035
Flask Cap, 40/35 Outer Joint	ea.	KT953830-0000
Fritted Glass Support, 47mm, 40/35 Joint	ea.	KT953826-0000
Glass Funnel, 47mm, 100mL	ea.	KT953761-0000
Glass Funnel, 47mm, 300mL	ea.	KT953751-0000
Glass Funnel, 47mm, 500mL	ea.	KT953771-0000
Glass Funnel, 47mm, 1000mL	ea.	KT953781-0000
Flask, 1000mL, 40/35 Joint	ea.	KT953827-0000
Flask, 2000mL, 40/35 Joint	ea.	KT953828-0000
Flask, 4000mL, 40/35 Joint	ea.	KT953829-0000
Aluminum Clamp, 47mm	ea.	KT953753-0000
Membrane Filters	qty.	cat.#
Polypropylene Membrane Filters, 47mm, 0.45 $\mu$ m	100-pk.	26396
Polypropylene Membrane Filters, 47mm, 0.22 $\mu$ m	100-pk.	26397
Nylon Membrane Filters, 47mm, 0.45 $\mu$ m	100-pk.	26398
Nylon Membrane Filters, 47mm, 0.22 $\mu$ m	100-pk.	26399

## Flow Splitters



**QuickSplit Post-Column Flow Splitters use fluid resistor technology to eliminate adjustments to capillary tubing for optimizing split ratio.**



### Fixed Flow Splitters for HPLC & LC/MS

- Split ratio not affected by changes in viscosity or pressure.
- High operating pressure limit: 10,000psi (68,948kPa).
- Low dead volume—negligible effect on analyte bandwidth.
- Total flow: 0.1–5.0mL/min.

### Adjustable Flow Splitter

- Adjustable metering valve gives convenient control of split ratio.
- Split ratio not affected by changes in viscosity or pressure.
- High operating pressure limit: 5,000psi (34,474kPa).
- Low dead volume—negligible effect on analyte bandwidth.
- Total flow: 0.1–5.0mL/min.

Description	Split Ratio	qty.	cat.#
Binary Fixed Flow Splitter	100:01:00	ea.	25326
	50:01:00	ea.	25327
	20:01	ea.	25328
	10:01	ea.	25329
	5:01	ea.	25330
Replacement Fixed Flow Splitter Resistor Set	100:01:00	ea.	25331
	50:01:00	ea.	25332
	20:01	ea.	25333
	10:01	ea.	25334
	5:01	ea.	25335
Adjustable Flow Splitter	5:1 to 100:1	ea.	25336
	1:1 to 20:1	ea.	25337
	50:1 to 1000:1	ea.	26416
Replacement Adjustable Flow Splitter Resistor Set	5:1 to 100:1	ea.	25338
	1:1 to 20:1	ea.	25339

visit [www.restek.com](http://www.restek.com) for all your chromatography needs



# USP Residual Solvents Standards

We have them on hand and ready to ship within 24 hours!

**New Lower  
Prices!**

## USP-Equivalent Standards to Achieve USP <467> Compliance



### Residual Solvents - Class 1

(5 components)

In dimethyl sulfoxide, 1mL/ampul

cat. # 36279 (equivalent to USP#1601102) (ea.)

### Residual Solvents Class 2 - Mix B

(8 components)

In dimethyl sulfoxide, 1mL/ampul

cat. # 36280 (equivalent to USP#1601292) (ea.)

### Residual Solvents Class 2 - Mix A

(15 components)

In dimethyl sulfoxide, 1mL/ampul

cat. # 36271 (equivalent to USP#1601281) (ea.)

### Residual Solvents Class 2 - Mix C

(8 components)

In dimethyl sulfoxide, 1mL/ampul

cat. # 36273 (equivalent to USP#1601306) (ea.)

Get more on  
**RESIDUAL SOLVENTS**  
at [www.restek.com/ovi](http://www.restek.com/ovi)



**Crimp Top  
Headspace Vials  
also Available!**

## Screw Thread Headspace Vials & Caps Perfect for your Residual Solvents Analysis

- 10 and 20 mL screw thread vials available
- 18mm magnetic screw thread caps

Description	Dimensions	100-pk.	1000-pk.
20mL Clear Screw Thread Vial	22 x 75mm	23082	23083
10mL Clear Screw Thread Vial	22 x 45mm	23084	23085
18mm Magnetic Screw Thread Cap w/PTFE/Silicone		23090	23091
18mm Magnetic Screw Thread Cap w/PTFE/Silicone for SPME		23092	23093
18mm Magnetic Screw Thread Cap w/PTFE/Red Chlorobutyl		23094	23095

**Ambers vials also available!**

Introducing...

## Rxi<sup>®</sup>-624Sil MS Columns for USP <467> Residual Solvents analysis

NEW!

Improve system suitability pass rates with the best resolution of acetonitrile and dichloromethane on any G43 column phase.

- Symmetric peak shape for bases provides accurate integration and unmatched sensitivity.
- High thermal stability ensures a low bleed baseline, making it the most MS friendly column in its class.
- Rxi<sup>®</sup> technology column-to-column reproducibility needed in validated methods.

### Rxi<sup>®</sup>-624Sil MS Columns

(fused silica Crossbond<sup>®</sup> silarylene phase; equivalent to 6% cyanopropylphenyl/94% dimethyl polysiloxane)

Highest in it's class!

ID	df (μm)	temp. limits	length	cat. #
0.18mm	1.00	-60 to 300/320°C	20-Meter	13865
0.25mm	1.40	-60 to 300/320°C	30-Meter	13868
0.32mm	1.80	-60 to 300/320°C	30-Meter	13870
0.32mm	1.80	-60 to 300/320°C	60-Meter	13872
0.53mm	3.00	-60 to 280/300°C	30-Meter	13871

For additional column dimensions, visit [www.restek.com](http://www.restek.com)

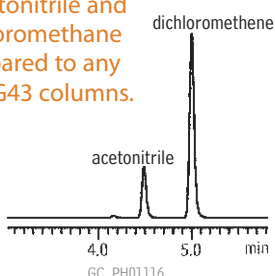


**Make the Switch to Rxi<sup>®</sup> columns!**

Replaces: DB-624, HP-624, VF-624, BP-624, ZB-624, AT-624, 007-1301, G43R

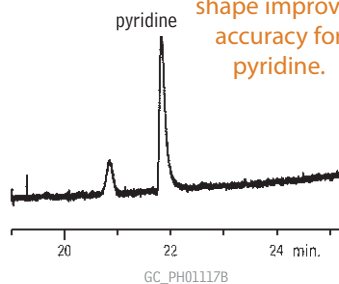
#### USP <467> Class 2 Mix A

Best resolution of acetonitrile and dichloromethane compared to any other G43 columns.



#### USP <467> Class 2 Mix B

Symmetric peak shape improves accuracy for pyridine.



Column: Rxi<sup>®</sup>-624Sil MS, 30m, 0.32mm ID, 1.8μm (cat.# 13870)  
 Inj.: 1.0mL manual headspace injection, split (3:1), 1mm split liner (cat.# 20972)  
 Inj. temp.: 140°C  
 Carrier gas: helium, constant flow  
 Flow rate: 2.2mL/min.  
 Oven temp.: 40°C (hold 20 min.) to 240°C @ 10°C/min. (hold 20 min.)  
 Det: FID @ 250°C  
 Hydrogen: 40mL/min.  
 Air: 450mL/min.  
 Makeup: 45mL/min.  
 Instrument: Agilent 6890



visit [www.restek.com/ovi](http://www.restek.com/ovi) for complete product listing

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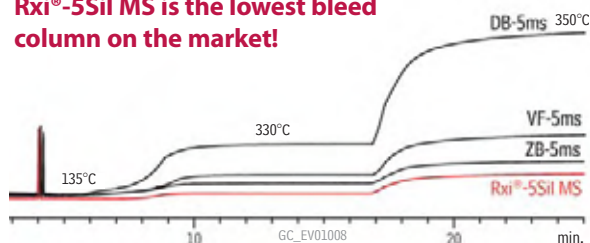
# Running 8270? Let us help!

## Rxi®-5SiI MS Columns

**Exceptionally Inert Columns for GC/MS  
and Trace Level Analyses**

- **Low bleed** for lower detection limits.
- **Excellent inertness** for acidic and basic compounds.
- Engineered to assure **column-to-column reproducibility**.

**Rxi®-5SiI MS is the lowest bleed  
column on the market!**



(Crossbond®, selectivity close to 5% diphenyl/95% dimethyl polysiloxane)

ID	df (µm)	temp. limits	length	cat. #	price
0.18mm	0.18	-60 to 330/350°C	20-Meter	43602	
0.18mm	0.36	-60 to 330/350°C	20-Meter	43604	
0.25mm	0.25	-60 to 330/350°C	30-Meter	13623	
0.25mm	0.25	-60 to 330/350°C	60-Meter	13626	
0.25mm	0.50	-60 to 330/350°C	30-Meter	13638	
0.32mm	0.50	-60 to 330/350°C	30-Meter	13639	

**Try Rxi®-5SiI MS with Integra-Guard®!**

**Get the protection without the connection!**

**SAVE!**

## Special pricing on multi-packs of 15 & 25!

### EPA 8270 Internal, Surrogate & Spike Mixes!



- 8270 Matrix Spike Mix
- SV Internal Standard Mix
- Revised SV Internal Standard Mix
- B/N Surrogate Mix (4/89 SOW)
- Revised B/N Surrogate Mix
- Acid Surrogate Mix (4/89 SOW)
- B/N Matrix Spike Mix

[www.restek.com/8270multipack](http://www.restek.com/8270multipack)



## GET YOUR MIX

Time-Saving EPA 8270 MegaMix®  
(76 components)

[www.restek.com/megamix](http://www.restek.com/megamix)

# Inlet Liners with Semivolatiles Wool

for Agilent GCs

## Inert Sample Path Increases Accuracy for Semivolatiles

Compliment your inert Rxi®-5SIL MS column by completing the inert sample pathway with Restek liners packed with our new Semivolatiles wool. Inert wool improves accuracy and precision while acting as a physical barrier between your column and non-volatile matrix components. The figure to the right compares a Restek liner packed with Semivolatiles wool with a competitor's liner for the commonly monitored and very active 2,4-dinitrophenol.

### Inlet Liners w/Semivolatiles Wool

ID* x OD & Length	qty.	cat.#
<b>4mm Split</b>	ea.	20781-231.1
(4.0mm x 6.3mm x 78.5mm)	5-pk.	20782-231.5
<b>4mm Splitless</b>	ea.	20772-231.1
4.0mm x 6.5mm x 78.5mm	5-pk.	20773-231.5
<b>4mm Gooseneck Splitless</b>	ea.	20798-231.1
4.0mm x 6.5mm x 78.5mm	5-pk.	20799-231.5
<b>4mm Gooseneck Precision Liner</b>		
4.0mm x 6.3mm x 78.5mm	5-pk.	22984-231.5
<b>Low Pressure Drop Precision Liner</b>	ea.	21032-231.1
4.0mm x 6.3mm x 78.5mm	5-pk.	21033-231.5
<b>Drilled Uniliner (hole near bottom)</b>	ea.	20756-231.1
4.0mm x 6.3mm x 78.5mm	5-pk.	20771-231.5
<b>Drilled Uniliner (hole near top)</b>	ea.	21054-231.1
4.0mm x 6.3mm x 78.5mm	5-pk.	21055-231.5

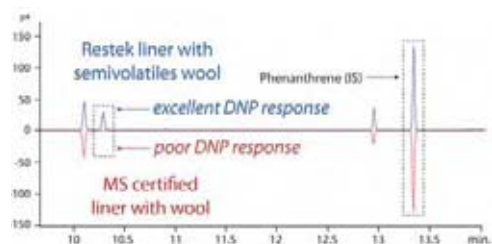
To order new Semivolatiles Wool in additional prepacked liners, add the corresponding suffix number to the liner catalog number.

IP Deactivated Liner with Semivolatiles Wool	
qty.	
each	-231.1
5-pk.	-231.5
25-pk.	-231.25

Additional charges may apply.

visit [www.restek.com/liners](http://www.restek.com/liners) for a full product listing

Response of 10ng of 2,4-dinitrophenol compared to phenanthrene using a flame ionization detector.



**Great Value on Extraction Supplies for ASE® Systems**  
Extraction cells now serialized!  
[www.restek.com/ase](http://www.restek.com/ase)

**NEVER USE A WASHER AGAIN!**  
**Buy one 10-pk. of Dual Vespel® Ring**  
**Receive a 2nd 10-pk. FREE!**

0.8mm ID Dual Vespel Ring Inlet Seal	Restek cat.#	2nd 10-pk. Special Promo
Gold-Plated, 10-pk.	21241-409A	FREE
Siltek Treated, 10-pk.	21243-409A	FREE
<b>1.2mm ID Dual Vespel Ring Inlet Seal</b>		
Gold-Plated, 10-pk.	21247-409A	FREE
Siltek Treated, 10-pk.	21249-409A	FREE
<b>0.8mm ID Dual Vespel Ring Cross-Disk Inlet Seal</b>		
Gold-Plated, 10-pk.	22084-409A	FREE
Siltek Treated, 10-pk.	22086-409A	FREE

Offer ends March 31, 2010. Discount cannot be combined with any other offers.  
Distributor participation may vary.



**restek innovation!**

Visit [www.restek.com/dvr](http://www.restek.com/dvr) for all the features and benefits of this Restek innovation.

innovative chromatography solutions

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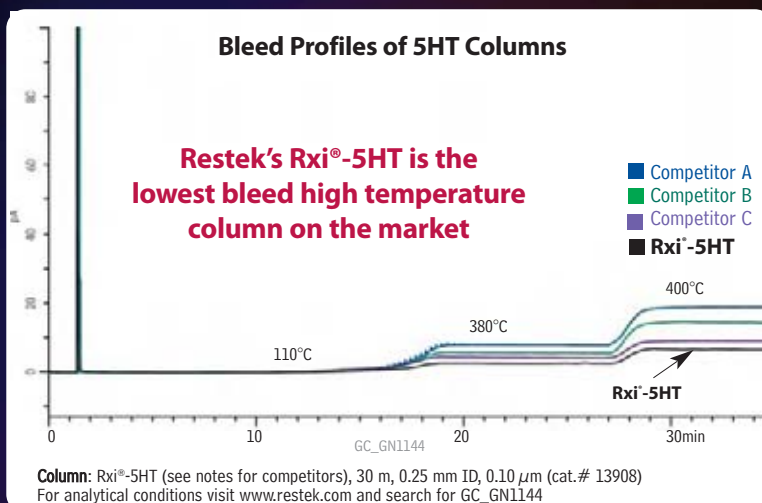


**NEW!**

**Rxi**  
GCColumns

# Looking for an Inert and Low Bleed High Temp Column? **Think Rxi®-5HT**

High temperature columns have thin films so they need to be thoroughly deactivated. Restek's Rxi® process offers better inertness and lower bleed than any other manufacturer.



Replace DB-5HT, ZB-5HT, and VF-5HT and benefit from better data and low bleed!



**High Temperature Tip:**  
Use a leak detector and carrier gas filtration to prolong column lifetime.

## Rxi®-5HT Columns

(fused silica; nonpolar phase; 5% diphenyl/95% dimethylpolysiloxane)

ID	df (µm)	temp. limits	length	cat. #	price
0.25mm	0.10	-60 to 400°C	15-Meter	13905	
0.25mm	0.10	-60 to 400°C	30-Meter	13908	
0.25mm	0.25	-60 to 400°C	30-Meter	13923	
0.32mm	0.10	-60 to 400°C	15-Meter	13906	
0.32mm	0.10	-60 to 400°C	30-Meter	13909	
0.32mm	0.25	-60 to 400°C	30-Meter	13924	
0.53mm	0.15	-60 to 400°C	30-Meter	13910	

\*Column is capable of going to 430°C, but column lifetime will be reduced.

## Accessories Great for High Temps

### Inlet Liners for Agilent GCs

ID* x OD & Length	qty.	cat.#	price
<b>4mm Split w/Wool</b>			
4.0mm x 6.3mm x 78.5mm	ea.	20781	
4.0mm x 6.3mm x 78.5mm	5-pk.	20782	
4.0mm x 6.3mm x 78.5mm	25-pk.	20783	
<b>Gooseneck Splitless (4mm)†</b>			
4.0mm x 6.5mm x 78.5mm	ea.	20798	
4.0mm x 6.5mm x 78.5mm	5-pk.	20799	
4.0mm x 6.5mm x 78.5mm	25-pk.	20800	
<b>Gooseneck Splitless (4mm) w/Wool†</b>			
4.0mm x 6.5mm x 78.5mm	ea.	22405	
4.0mm x 6.5mm x 78.5mm	5-pk.	22406	
4.0mm x 6.5mm x 78.5mm	25-pk.	22407	

\*Nominal ID at syringe needle expulsion point.

†Use this liner for increased sensitivity.

For additional product listing, visit [www.restek.com/liners](http://www.restek.com/liners)

### Compact Ferrules

for Agilent 5890/6890/6850/7890 GCs

#### Graphite Ferrules

- Stable to 450°C

Ferrule ID	Fits Column ID	qty.	Graphite
0.4mm	0.25/0.28mm	10-pk.	20250
0.4mm	0.25/0.28mm	50-pk.	20251
0.5mm	0.32mm	10-pk.	21007
0.5mm	0.32mm	50-pk.	21008
0.8mm	0.45/0.53mm	10-pk.	20252
0.8mm	0.45/0.53mm	50-pk.	20253

#### Vespal/Graphite Ferrules

- Stable to 400°C

Ferrule ID	Fits Column ID	qty.	Vespal/Graphite
0.4mm	0.25/0.28mm	10-pk.	20238
0.4mm	0.25/0.28mm	50-pk.	20239
0.5mm	0.32mm	10-pk.	20248
0.5mm	0.32mm	50-pk.	20249
0.8mm	0.45/0.53mm	10-pk.	20263
0.8mm	0.45/0.53mm	50-pk.	20264

### Super Septa!

- Usable to 400°C inlet temperature
- Partial predrilled Center Guide Design
- Bleed & temperature optimized; ideal for demanding GC and GC/MS applications

#### BTO® Septa

Usable to 400°C inlet temperature.

Septum Diameter	50-pk./price	100-pk./price
9mm CenterGuide	27104	27105
9.5mm (7/8")	27106	27107
10mm	27108	27109
11mm (7/8") CenterGuide	27110	27111
11.5mm CenterGuide	27112	27113

Visit [www.restek.com/septa](http://www.restek.com/septa) for a complete listing of septa available.



## Make Life in the Lab Easier with an MLE Capillary Tool Kit



is available for Agilent, Thermo Scientific, Shimadzu, PerkinElmer, and Varian GCs.

- Kits include everything you need to perform general maintenance on your GC.

Parts list makes reordering easy.



cat.# 22186



cat.# 22183

Visit [www.restek.com/mletoolkit](http://www.restek.com/mletoolkit)  
for a complete listing of consumables  
included in MLE tool kits.

Description	qty.	cat.#
MLE Capillary Tool Kit for Agilent GCs	kit	22186
MLE Capillary Tool Kit for PerkinElmer GCs	kit	22185
MLE Capillary Tool Kit for Shimadzu GCs	kit	22182
MLE Capillary Tool Kit for Thermo Scientific GCs	kit	22183
MLE Capillary Tool Kit for Varian GCs	kit	22184



Swagelok® Brass Fittings Kit

**NEW!**

## Swagelok® Stainless Steel & Brass Fitting kits

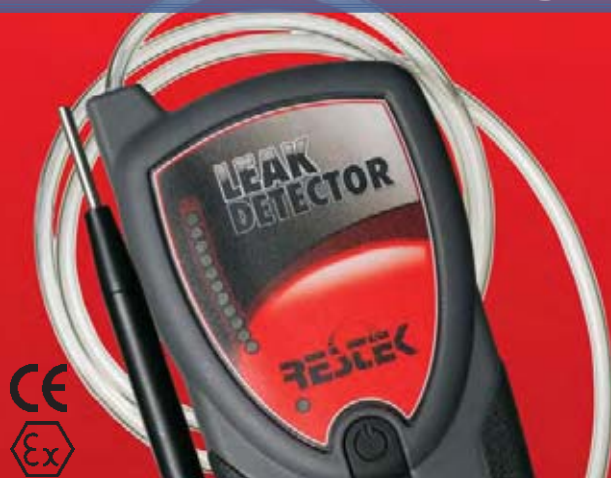
**40%** Savings by  
purchasing kits!

Description	qty.	cat.#
Swagelok Fitting Kit, Brass	kit	23141
Description	qty.	cat.#
Swagelok Fitting Kit, Stainless Steel	kit	23197

Visit us at [www.restek.com](http://www.restek.com) for  
a complete line of Swagelok® fittings!



## DETECTION



### Restek Electronic Leak Detector

**Protect your data and analytical column!**

High temperature methods are extremely sensitive to carrier gas impurities, such as water and oxygen. Make sure you have clean carrier gas and frequently check connections and injection system fittings for leaks using a Restek electronic leak detector.

**Leak Detector with Universal Charger Set**  
(US, UK, European, Australian)

Cat.# 22839

[www.restek.com/leakdetector](http://www.restek.com/leakdetector)



## REGULATION

### Ultra-High Purity (UHP) Gas Regulators

#### Dual-Stage, Chrome-Plated

Fitting	qty.	cat.#
CGA 580 (N <sub>2</sub> , He, Ar)	ea.	21667
CGA 350 (H <sub>2</sub> , P <sub>2</sub> )	ea.	21668
CGA 590 (Air)	ea.	21669

#### Dual-Stage, Stainless Steel

Fitting	qty.	cat.#
CGA 580 (N <sub>2</sub> , He, Ar)	ea.	20662
CGA 350 (H <sub>2</sub> , P <sub>2</sub> )	ea.	20663
CGA 590 (Air)	ea.	20664

#### Single-Stage, Chrome-Plated Brass

Fitting	qty.	cat.#
CGA 580 (N <sub>2</sub> , He, Ar)	ea.	20646
CGA 350 (H <sub>2</sub> , P <sub>2</sub> )	ea.	20647
CGA 590 (Air)	ea.	20648

#### Single-Stage, Stainless Steel

Fitting	qty.	cat.#
CGA 580 (N <sub>2</sub> , He, Ar)	ea.	20665
CGA 350 (H <sub>2</sub> , P <sub>2</sub> )	ea.	20666
CGA 590 (Air)	ea.	20667



Inlet gauge: 0 to 4,000psig (0-27,579kPa)  
Outlet assembly: diaphragm valve, 1/4" tube fitting  
Outlet pressure: 0 to 100psig (0-689kPa)  
Outlet gauge: 30" - 0 to 200psig (0-1379kPa)

**Compare and SAVE!**

Visit [www.restek.com](http://www.restek.com) for more information on Gas Regulators.

## PURIFICATION

### Super-Clean Gas Filter and Base Plate Kit

**FREE Base Plate**  
with purchase of 2 triple filters

Description	qty.	cat.#
Restek Exclusive Triple Filter Kit: includes 2 triple filters & free base plate	kit	22859-409

Offer valid through Dec. 31, 2010. Cannot be combined with other offers or discounts.



visit [www.restek.com](http://www.restek.com) for all your chromatography needs

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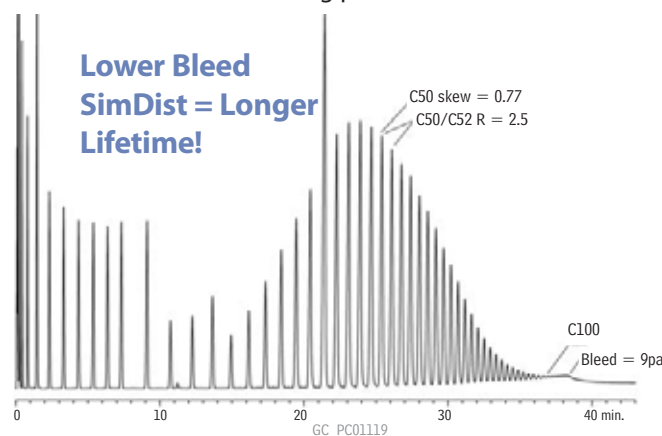
Get more runs out of  
your Sim Dist setup, using

**NEW!**

# Restek MXT®-1HT Sim Dist columns

- Stable up to 430°C—lowest bleed column, for longer lifetime.
- Meets all ASTM D6352 and D7500 specifications.
- 100% dimethyl polysiloxane phase allows easy comparisons to historical data.
- Unbreakable columns offer security when using hydrogen.

Superior resolution and peak shape on MXT®-1HT SimDist columns result in more accurate final boiling point determinations.



Column: MXT®-1HT Sim Dist, 5m, 0.53mm ID,  
0.20µm (cat.# 70115)  
Sample: C5-C100, 1% in carbon disulfide  
Inj.: 1µL on-column (PTV)  
Inj. temp.: 53°C to 430°C @ 10°C/min. (hold 5 min.)

Carrier gas: helium, constant flow  
Flow rate: 18mL/min.  
Oven temp.: 50°C to 430°C @  
10°C/min. (hold 5 min.)  
Det.: FID @ 430°C  
Instrument: Shimadzu 2010

**RESTEK**  **REFINED**  
New Solutions for Your Petro Analyses



## Petro Analyses Tip:

- Use our **D6352 polywax** standards for your analysis
- Use **graphite ferrules** for column installation

## MXT®-1HT Sim Dist Column

(Siltek® treated stainless steel)

ID	df (µm)	temp. limits	length	cat. #
0.53mm	0.10	-60 to 400/430°C	5-Meter	70112
0.53mm	0.20	-60 to 400/430°C	5-Meter	70115

For additional column dimensions visit [www.restek.com](http://www.restek.com)



## Air Canisters for VOC Monitoring

### SilcoCan® & TO-Can® Air Monitoring Canisters

- Get high performance canisters from the innovators of fused silica coating technology.
- Variety of options available, including SUMMA can equivalent.
- Standard fittings compatible with all instrumentation and accessories.
- Exclusive manufacturer of 1L spherical canister.
- Repair service available to extend canister life.

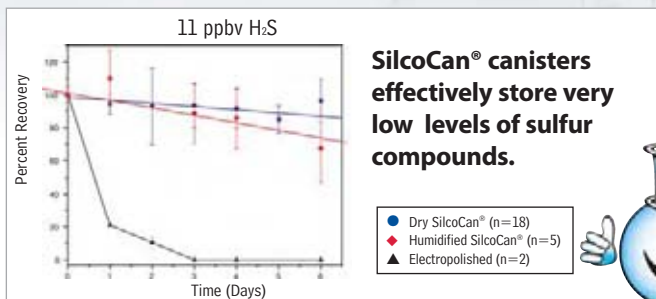


#### Canister Options

Sizes	1, 3, 6, 15L
Valves	Parker diaphragm, Swagelok bellows
Interior Coating	Electropolished, Siltek treated
Gauges	3 vacuum/pressure ranges

#### Applications

Ambient Air - US EPA TO-14A, TO-15, ASTM D5466
Indoor Air
Vapor Intrusion
Emergency Response



Visit [www.restek.com/air](http://www.restek.com/air) for a full air canister product listing!

## Need Tedlar Bags? Restek has them!

We are your **RELIABLE** source  
for Tedlar® Sampling Bags.

No need to evaluate alternatives,  
our Tedlar® bag supply is **here to stay!**



**NEW!**

## Air Canister Tripod

For collocated ambient air sampling



- Holds most 1L, 3L, and 6L canisters securely, without any tools.
- Lightweight (9 pounds) and compact, for easy storage and transport.
- Large base provides enhanced stability, without additional supports.

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

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## QuEChERS Products

Quick, Easy, Cheap, Effective, Rugged and Safe!

### Tubes & Standards

for pesticide residue analysis from food products



NEW!

### Complete Product Offering

to support AOAC (2007.01)  
& European (EN15662)  
QuEChERS Methods

- Comprehensive portfolio of QuEChERS tubes.
- Method-specific internal and QC standards.
- Rxi®-5Sil MS Capillary column
- Ultra Aqueous C18 LC Column.

RESTEK

Lit. Cat.# GNES1216-INT

2010 v.1

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