




# Instrument Innovations!

Simplify Life in Your Laboratory

by Donna Lidgett, GC Accessories Product Marketing Manager


Whether you have an Agilent, PerkinElmer, Shimadzu, Thermo Finnigan, or Varian system, Restek consumables and parts will help you maintain optimum system performance, and give you the convenience and economy of one-stop shopping for all your GC needs.

## Liners for ATAS injectors

Liners for ATAS Injectors	Benefits/Uses:	ID/OD & Length (mm)	ea.	cat.#	5-pk.
	universal	3.0 5.0 x 80	22415	22416	
<b>ATAS Open Liner, 3mm</b>					
	trace, active samples <math>< 1\mu\text{L}</math>	1.0 5.0 x 80	22417	22418	
<b>ATAS Open Liner, 1mm</b>					
	dirty samples	3.0 5.0 x 80	22419	22420	
<b>ATAS Fritted Gooseneck</b>					











**new!**

## Liner for Varian 1177 GCs

Liners for Varian 1177 GCs	Benefits/Uses:	ea.	cat.#	5-pk.
	trace samples <math>< 2\mu\text{L}</math>, dirty samples	22421	22422	
<b>Low Pressure Drop Precision™ Liner</b> (2.0mm ID, 6.3mm OD, 78.5mm length)				

**new!**

## Direct Injection Liners

DI Liners for Agilent 5890 & 6890 GCs (For 0.25/0.32/0.53mm ID Columns)	ID/OD & Length (mm)	ea.	cat.#	5-pk.
	4.0 ID 6.3 OD x 78.5	21054	21055	
<b>Drilled Uniliner® (hole on top)</b>				
	4.0 ID 6.3 OD x 78.5	21054-214.1	21055-214.5	
<b>Siltek® Drilled Uniliner® (hole on top)</b>				
	4.0 ID 6.3 OD x 78.5	20756*	20771	
<b>Drilled Uniliner® (hole on bottom)</b>				
	4.0 ID 6.3 OD x 78.5	20508	20509	
<b>Double Gooseneck Drilled Uniliner® (hole on top)</b>				
	4.0 ID 6.3 OD x 78.5	20954**	20989	
<b>Double Gooseneck Drilled Uniliner® (hole on bottom)</b>				
	1.0 ID 6.3 OD x 78.5	21390-214.1	21391-214.5	
<b>Siltek® 1mm Drilled Uniliner® (hole on top)</b>				
DI Liners for Shimadzu 17A & 2010 GCs (For 0.32/0.53mm ID Columns)	ID/OD & Length (mm)	ea.	cat.#	5-pk.
	3.5 ID 5.0 OD x 95	21285	21286	
<b>Open-top Drilled Uniliner® (hole on top)</b>				
	3.5 ID 5.0 OD x 95	21287	21288	
<b>Open-top Drilled Uniliner® (hole on bottom)</b>				
	3.5 ID 5.0 OD x 95	21289	21290	
<b>Gooseneck Drilled Uniliner® (hole on top)</b>				
	3.5 ID 5.0 OD x 95	21291	21292	
<b>Gooseneck Drilled Uniliner® (hole on bottom)</b>				

All liners are  
**100% deactivated**

All liners are shipped intermediate polarity (IP) deactivated unless otherwise requested.

## Drilled Uniliner® Inlet Liners

Hole makes direct injection possible with EPC-equipped Agilent 6890 GCs.

Allows injector to be operated in split/splitless mode.

Ideal for trace, active samples; high recovery and linearity.

*Drilled Uniliner® inlet liners are available in two configurations.*

Use hole on bottom configuration if analytes elute near the solvent peak.











Use hole on top configuration if analytes elute away from the solvent peak, or when the sample solvent is water.



## free literature

Minimize Adsorption of Active Analytes, Using a Drilled Uniliner® GC Inlet Liner (lit. cat.# 59877)

DI Liners for PerkinElmer GCs (For 0.32/0.53mm ID Columns)	ID/OD & Length (mm)	ea.	cat.#	5-pk.
	4.0 ID 6.2 OD x 92.1	20819	20822	
<b>Auto SYS Drilled Uniliner® (hole on top)</b>				
	4.0 ID 6.2 OD x 92.1	21293	21294	
<b>Auto SYS Drilled Uniliner® (hole on bottom)</b>				
	4.0 ID 5.0 OD x 92.1	21295	21296	
<b>Auto SYS Gooseneck Drilled Uniliner® (hole on top)</b>				
	4.0 ID 6.2 OD x 92.1	21297	21298	
<b>Auto SYS Gooseneck Drilled Uniliner® (hole on bottom)</b>				
DI Liners for Varian 1177 GCs (For 0.25/0.32/0.53mm ID Columns)	ID/OD & Length (mm)	ea.	cat.#	5-pk.
	4.0 ID 6.3 OD x 78.5	21470	21471	
<b>Drilled Uniliner® (hole on top)</b>				
	4.0 ID 6.3 OD x 78.5	21468	21469	
<b>Drilled Uniliner® (hole on bottom)</b>				
Direct Injection Liners for Thermo Finnigan 8000 & TRACE™ Series GCs (0.32 & 0.53mm ID columns)	ID/OD & Length (mm)	ea.	cat.#	5-pk.
	5.0 ID 8.0 OD x 105	22411	22412	
<b>Drilled Uniliner® (hole on top)</b>				
	5.0 ID 8.0 OD x 105	22413	22414	
<b>Drilled Uniliner® (hole on bottom)</b>				

\*Similar to Agilent part # G1544-80730.

\*\*Similar to Agilent part # G1544-80700.

## O-Rings and Liner Seals

For complete listings, refer to our catalog or website.

### Viton® O-Rings for Agilent GCs

- Fit split (6.3mm OD) or splitless (6.5mm OD) liners.
- Max. temp.: 250°C
- Similar to Agilent part# 5180-4182



Description	qty.	cat.#
Viton® O-Rings for Agilent GCs	25-pk.	20377

### Graphite O-Rings for Agilent and Varian 1177 GCs

- Max temp.: 450°C
- Cat.# 20296 similar to Agilent part# 5180-4168, cat.# 20298 similar to 5180-4173.



Description	Restek cat.#	
	10-pk.	50-pk.
Graphite O-rings for split liners (6.3mm ID)	20296	20297
Graphite O-rings for split-less liners (6.5mm ID)	20298	20299

### Graphite Liner Seals for Varian 1078/1079 GCs

- Max temp.: 450°C.
- Similar to Varian part# 392611919 and 392534201.



Description	qty.	cat.#
Graphite Liner Seals for Varian 1078/1079 GCs (5mm)	10-pk.	22683

### Viton® O-Rings for PerkinElmer Auto SYS™ GCs

- Max temp.: 250°C.
- Similar to PE part# N6101374.



Description	qty.	cat.#
Viton® O-Rings for PerkinElmer Auto SYS GCs	10-pk.	20262

### Graphite O-Rings for PerkinElmer Auto SYS™ XL PSS new!

- Max temp.: 450°C.
- Similar to PE part# N6101751.



Description	qty.	cat.#
Graphite O-Rings for PerkinElmer Auto SYS XL PSS	10-pk.	21475
Graphite O-Rings for PerkinElmer Auto SYS XL PSS	25-pk.	21476

### Viton® O-Rings for PerkinElmer PSS

- Max temp.: 250°C.
- Similar to PE part# N610-1747.



Description	qty.	cat.#
Viton® O-Rings for PerkinElmer PSS	10-pk.	20366

### Graphite O-Rings for Shimadzu 17A and 2010 GCs new!

- Max. temp.: 450°C.



Description	qty.	cat.#
Graphite O-Rings for Shimadzu Split Liners	5-pk.	20243
Graphite O-Rings for Shimadzu Splitless Liners	5-pk.	20244

### Viton® O-Rings for Shimadzu 17A and 2010 GCs new!

- Max. temp.: 250°C.



Description	qty.	cat.#
Viton® O-Rings for Shimadzu 17A and 2010 GCs	10-pk.	21477

## Injector and Detector Parts

new!

### FID Collector Housing Kit for Agilent 5890 GCs

- Meets or exceeds OEM performance.
- Kit includes collector body, spanner nut, and silicone washer.



Description	Similar to	qty.	cat.#
	Agilent part #		
FID Collector Housing Kit for Agilent 5890 GCs	19231-20920	kit	23037

### FID Collector Mount for Agilent 5890 GCs

- Meets or exceeds OEM performance.



Description	Similar to	qty.	cat.#
	Agilent part #		
FID Collector Mount for Agilent 5890 GCs	19231-20930	ea.	23036

### FID Base Weldment for Agilent 5890 GCs

- Meets or exceeds OEM performance.
- Kit includes brass nut.



Description	Similar to	qty.	cat.#
	Agilent part #		
FID Base Weldment for Agilent 5890 GCs	19231-80580	ea.	23041

### FID Capillary Column Adaptor for PerkinElmer Auto SYS™ XL

- Made of high quality stainless steel.
- Meets or exceeds OEM performance.



Description	Similar to	qty.	cat.#
	PE part #		
<b>For use with PE style capillary nuts</b>			
FID Capillary Column Adaptor for PerkinElmer Autosys XL	N6120020	ea.	22608
<b>For use with 1/8" compression style nuts</b>			
FID Capillary Column Adaptor for PerkinElmer Autosys XL	—	ea.	22609

### Septum Cap for PerkinElmer Auto SYS™ XL

- Made of clear anodized aluminum and high-quality stainless steel.
- Meets or exceeds OEM performance.



Description	Similar to	qty.	cat.#
	PE part #		
Septum Cap for PerkinElmer Autosys XL	N6100153	ea.	22322

### Injector Adaptor for PerkinElmer Auto SYS™ XL

- Made of high quality stainless steel.
- Meets or exceeds OEM performance.
- Siltek®-treated version available for increased inertness.



Description	Similar to	qty.	cat.#
	PE part #		
<b>For use with PE style capillary nuts</b>			
Injector Adaptor for PerkinElmer Auto SYS	N6100157	ea.	22318
Siltek®-Treated Injector Adaptor for PerkinElmer Auto SYS XL	—	ea.	22320
<b>For use with 1/8" compression style nuts</b>			
Injector Adaptor for PerkinElmer Auto SYS	—	ea.	22319
Siltek®-Treated Injector Adaptor for PerkinElmer Auto SYS XL	—	ea.	22321



## free literature

Genuine Restek Replacement Parts for Agilent GCs will be available soon. This 60-page catalog details innovative, high-performance supplies for your Agilent GC—from injector to detector. (lit. cat.# 59627E).