

## Liners



### Vertical® GC Liners

The Vertical® GC liners are made of borosilicate glass and designed to obtain the maximum performance to ensure no loss of sample and accurate quantitation of thermally labile or reactive compounds.

- Wide selection ranges
- Fit standard instrument manufacturer's inlets
- High temperature deactivation to ensure inertness

### SGE® FocusLiner™ GC Liners

The SGE® FocusLiner™ overcomes the quartz wool shifting problem. The quartz wool is held in the correct position by means of two tapered sections in the liner. The tapered sections are located to ensure that the needle tip penetrates the secured quartz wool plug wiping any residue liquid sample from the needle tip while providing sufficient surface area for volatilisation. With the SGE FocusLiner™, a good RSD is easily achievable showing the effectiveness of the secured quartz wool.

### Liner O-Rings

- Viton O-rings can be used to 200°C with low bleed and good durability.
- Graphite O-rings can be used to 450°C with non bleed and superb durability.

Ordering Information						
Description, ID, OD and Length	Diagram	Application	QTY	Varian No.	Part No.	
<b>Vertical® GC Liners for Varian 1075/1077</b>						
Splitless, Gooseneck 2mmID, 6.3mmOD, 74mmLength		trace analytes < 2µL	5	190010905	063G-0015	
			25		063G-0017	
Split, Gooseneck 4mmID, 6.3mmOD, 72mmLength		trace analytes > 2µL	5	392611942	063G-0025	
			25	SG092022	063G-0027	
Split, Gooseneck, w/Wool 4mmID, 6.3mmOD, 72mmLength		trace analytes > 2µL	5		063G-0035	
			25		063G-0037	
Split, Gooseneck, w/Frit 4mmID, 6.3mmOD, 72mmLength		dirty samples non-active	5	190010903	063G-0045	
			25		063G-0047	
Split, w/Laminar Cap 4mmID, 6.3mmOD, 72mmLength		high MW analytes	5		063G-0055	
			25		063G-0057	
Split, w/Baffle 4mmID, 6.3mmOD, 72mmLength		Close BP Compounds	5	190010904	063G-0065	
			25		063G-0067	
<b>SGE® FocusLiner™ GC Liners for Varian 1075/1077</b>						
Split, w/Wool 2mmID, 6.3mmOD, 74mmLength		trace analytes < 2µL	5		063G-0075	
			25		063G-0077	
Split, w/Wool 4mmID, 6.3mmOD, 72mmLength		trace analytes > 2µL	5	SG092022	063G-0085	
			25		063G-0087	
Split, Gooseneck, w/Wool 4mmID, 6.3mmOD, 72mmLength		trace analytes > 2µL	5	SG092028	063G-0095	
			25		063G-0097	
Split, Tapered, w/Wool 4mmID, 6.3mmOD, 72mmLength		trace analytes > 2µL	5	SG092025	063G-0105	
			25		063G-0107	
<b>Liner O-Rings</b>						
Viton O-rings for Split (6.3mmOD) or Splitless (6.5mmOD) Liners			10	8850103100	063G-0146	
Graphite O-rings for Split (6.3mmOD) Liners			10	392611935	063G-0156	
Graphite O-rings for Splitless (6.5mmOD) Liners			10	392611940	063G-0166	

# Varian Supplies/Parts

Ordering Information						
Description, ID, OD and Length	Diagram	Application	QTY	Varian No.	Part No.	
<b>Vertical® GC Liners for Varian 1078/1079</b>						
SPME, Straight-Through 0.8mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25	392611948	063G-0115 063G-0117	
Splitless, Straight-Through 0.5mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25	392611949	063G-0125 063G-0127	
Splitless, Gooseneck 2.0mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25	392611947	063G-0135 063G-0137	
Split, Gooseneck 3.4mmID, 5mmOD, 54mmLength		trace analytes > 2µL	5 25	392611945	063G-0145 063G-0147	
Split, Gooseneck, w/Frit 3.4mmID, 5mmOD, 54mmLength		dirty sample non-active	5 25	392611946	063G-0155 063G-0157	
Split/Splitless, Gooseneck, w/Wool 2.0mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25	392611953	063G-0165 063G-0167	
<b>SGE® FocusLiner™ GC Liners for Varian 1078/1079</b>						
Direct, Staright-Through 0.5mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25		063G-0175 063G-0177	
LVI, Gooseneck, Sintered Glass 1mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25	SG092245	063G-0185 063G-0187	
Split/Splitless, w/Wool 3.4mmID, 5mmOD, 54mmLength		trace analytes > 2µL	5 25	SG092037	063G-0195 063G-0197	
Split/Splitless, Gooseneck 3.4mmID, 5mmOD, 54mmLength		trace analytes > 2µL	5 25	SG092038	063G-0205 063G-0207	
Split/Splitless, Tapered, w/Wool 3.4mmID, 5mmOD, 54mmLength		trace analytes > 2µL	5 25	SG092036	063G-0215 063G-0217	
Splitless, Gooseneck 2mmID, 5mmOD, 54mmLength		trace analytes < 2µL	5 25	SG092039	063G-0225 063G-0227	
<b>Vertical® GC Liners for Varian 1093/1094 SPI</b>						
SPI, Direct, Taper, 0.8mmID, 4.6mmOD, 54mmLength		trace analytes < 2µL	5 25	392611950	063G-0235 063G-0237	
SPI, For 0.25-0.32mmID Columns, 0.8mmID, 4.6mmOD, 54mmLength		trace analytes < 2µL	5 25	190010906	063G-0245 063G-0247	
SPI, For 0.53mmID Columns, 0.8mmID, 4.6mmOD, 54mmLength		trace analytes < 2µL	5 25	190010907	063G-0255 063G-0257	
<b>SGE® GC Liners for Varian 1093/1094 SPI</b>						
SPI, Direct, Taper, 0.5mmID, 4.6mmOD, 54mmLength		trace analytes < 2µL	5 25	SG092027	063G-0265 063G-0267	
SPI, For 0.25-0.32mmID Columns, 0.8mmID, 4.6mmOD, 54mmLength		trace analytes < 2µL	5 25	SG092030	063G-0275 063G-0277	
SPI, For 0.53mmID Columns, 0.8mmID, 4.6mmOD, 54mmLength		trace analytes < 2µL	5 25	SG092034	063G-0285 063G-0287	
<b>Liner O-Rings</b>						
Viton O-rings for Split (6.3mmOD) or Splitless (6.5mmOD) Liners			10	8850103100	063G-0146	
Graphite O-rings for Split (6.3mmOD) Liners			10	392611935	063G-0156	
Graphite O-rings for Splitless (6.5mmOD) Liners			10	392611940	063G-0166	

# Varian Supplies/Parts

Ordering Information					
Description, ID, OD and Length	Diagram	Application	QTY	Varian No.	Part No.
<b>Vertical® GC Liners for Varian 1177</b>					
Direct, Straight-Through 1mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392611999	063G-0295 063G-0297
Split, Cup-Splitter, w/Wool 4mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392611932	063G-0305 063G-0307
Split, Cup-Splitter, 4mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392611931	063G-0315 063G-0317
Split, Straight-Through, w/Wool 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	392611934	063G-0325 063G-0327
Split/Spitless, Gooseneck, 2mmID, 6.5mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392611926	063G-0335 063G-0337
Spitless, Straight-Through, w/Wool 2mmID, 6.5mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392599903	063G-0345 063G-0347
Spitless, Straight-Through, 2mmID, 6.5mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392611924	063G-0355 063G-0357
Spitless, Double-Gooseneck, 4mmID, 6.5mmOD, 78.5mmLength		trace analytes < 2µL	5 25	392611929	063G-0365 063G-0367
Spitless, Gooseneck, w/Silica Wool 4mmID, 6.5mmOD, 78.5mmLength		trace analytes > 2µL	5 25	392611928	063G-0375 063G-0377
Spitless, Gooseneck, w/Glass Wool 4mmID, 6.5mmOD, 78.5mmLength		trace analytes > 2µL	5 25	392611936	063G-0385 063G-0387
Spitless, Gooseneck, 4mmID, 6.5mmOD, 78.5mmLength		trace analytes > 2µL	5 25	392611927	063G-0395 063G-0397
Spitless, Straight-Through, w/Wool 4mmID, 6.5mmOD, 78.5mmLength		trace analytes > 2µL	5 25	392611937	063G-0405 063G-0407
Spitless, Straight-Through 4mmID, 6.5mmOD, 78.5mmLength		trace analytes > 2µL	5 25	392611925	063G-0415 063G-0417
<b>SGE® GC Liners for Varian 1177</b>					
Direct, Straight-Through 1.2mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	SG092016	063G-0425 063G-0427
Split, Straight-Through, w/Wool 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092001	063G-0435 063G-0437
Split, Straight-Through, 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092007	063G-0445 063G-0447
Split/Splitless, Fast, FocusLiner 2.3mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	SG092005	063G-0455 063G-0457
Split/Splitless, Tapered, FocusLiner 2.3mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	SG092111	063G-0465 063G-0467
Split/Splitless, Double Gooseneck 4mmID, 6.3mmOD, 78.5mmLength		trace analytes < 2µL	5 25	SG092018	063G-0475 063G-0477
Split/Splitless, FocusLiner 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092002	063G-0485 063G-0487
Split/Splitless, Gooseneck, w/Wool 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092019	063G-0495 063G-0497
Split/Splitless, Gooseneck, 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092017	063G-0505 063G-0507
Split/Splitless, Recessed Gooseneck, 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092010	063G-0515 063G-0517
Spitless, Tapered, FocusLiner 4mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092003	063G-0525 063G-0527
Spitless, Recessed Gooseneck, 2mmID, 6.3mmOD, 78.5mmLength		trace analytes > 2µL	5 25	SG092013	063G-0535 063G-0537
<b>Liner O-Rings</b>					
Viton O-rings for Split (6.3mmOD) or Splitless (6.5mmOD) Liners			10	8850103100	063G-0146
Graphite O-rings for Split (6.3mmOD) Liners			10	392611935	063G-0156
Graphite O-rings for Splitless (6.5mmOD) Liners			10	392611940	063G-0166