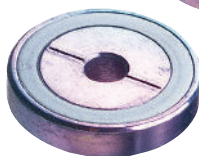




GC Accessories & Labware



RESTEK

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Rev. date: 08/22

**Autosampler Plunger Carrier Belt** for Agilent 7673A & 7673B Autosamplers

Description	Instrument	qty.	cat.#
Autosampler Plunger Carrier Belt	for Agilent 7673A & 7673B Autosamplers	ea.	22695



22695

Carriage Motor Belt for Agilent 7673A, 7673B, and 7673C Autosamplers

Description	Instrument	qty.	Similar to Part #	cat.#
Carriage Motor Belt	for Agilent 7673A, 7673B, and 7673C Autosamplers	ea.	Agilent 1500-0676	22692



22692

Injector Mounting Posts and Parking Post for Agilent 7673 & 7683 Autosamplers

Description	Instrument	qty.	Similar to Part #	cat.#
Injector Mounting Post	for Agilent 7673 Series Autosamplers for use with 6890 GCs	ea.	Agilent 07673-21140	21237
	for Agilent 7683 Series Autosamplers for use with 6850/6890 GCs	ea.	Agilent G2613-20500	21172
Parking Post	for Agilent 7673/7683 Series Autosamplers for use with 5890/6890/7890 GCs	ea.	Agilent 05890-61525	22343

**Rinse/Waste Vials with Diffusion Caps** for use with Agilent 7673, 7683 & 7693 and Thermo AS 1310 Autosamplers

Description	Instrument	qty.	cat.#
Rinse/Waste Vials (4 mL) w/graduated marking spots and diffusion caps (2 each of 6 different colors)	for use with Agilent 7673, 7683 & 7693 and Thermo AS 1310 Autosamplers	12-pk.	23096



23096

Turret Tray Assembly for Agilent 7673 Autosamplers

Description	Instrument	qty.	Similar to Part #	cat.#
Turret Tray Assembly	for Agilent 7673 Autosamplers	ea.	Agilent 07673-60605	22855



22855

Z-Belt for Agilent 7673B & 7683 Autosamplers

Description	Instrument	qty.	Similar to Part #	cat.#
Z-Belt	for Agilent 7673B & 7683 Autosamplers	ea.	Agilent 1500-0803	22363



22363

0.33/0.74 mm Vu-Union Connector Replacement Inserts

Description	qty.	cat.#
Replacement Inserts for 0.33/0.74 mm Vu-Union Connector	3-pk.	20419

**1/32-Inch Replacement Nut**

Description	qty.	cat.#
1/32" Replacement Nut	5-pk.	20389



20389

Defined PressFit Connectors

Description	Color	Fits Column ID	Material	qty.	cat.#
PressFit Connector	Red to Red (end codes)	For 0.18/0.25 mm to 0.18/0.25 mm ID Columns	Borosilicate Glass (Deactivated)	5-pk.	22159
	Red to Red (end codes)	For 0.18/0.25 mm to 0.18/0.25 mm ID Columns	Borosilicate Glass (Deactivated)	25-pk.	22160
	Red to Black (end codes)	For 0.18/0.25 mm to 0.32 mm ID Columns	Borosilicate Glass (Deactivated)	5-pk.	22161
	Red to Black (end codes)	For 0.18/0.25 mm to 0.32 mm ID Columns	Borosilicate Glass (Deactivated)	25-pk.	22162
	Red to Blue (end codes)	For 0.18/0.25 mm to 0.53 mm ID Columns	Borosilicate Glass (Deactivated)	5-pk.	22163
	Red to Blue (end codes)	For 0.18/0.25 mm to 0.53 mm ID Columns	Borosilicate Glass (Deactivated)	25-pk.	22164
	Black to Black (end codes)	For 0.32 mm to 0.32 mm ID Columns	Borosilicate Glass (Deactivated)	5-pk.	22165
	Black to Black (end codes)	For 0.32 mm to 0.32 mm ID Columns	Borosilicate Glass (Deactivated)	25-pk.	22166
	Black to Blue (end codes)	For 0.32 mm to 0.53 mm ID Columns	Borosilicate Glass (Deactivated)	5-pk.	22167
	Black to Blue (end codes)	For 0.32 mm to 0.53 mm ID Columns	Borosilicate Glass (Deactivated)	25-pk.	22168
	Blue to Blue (end codes)	For 0.53 mm to 0.53 mm ID Columns	Borosilicate Glass (Deactivated)	5-pk.	22169
	Blue to Blue (end codes)	For 0.53 mm to 0.53 mm ID Columns	Borosilicate Glass (Deactivated)	25-pk.	22170

**Gerstel GRAPHPACK 3D/2 Connectors**

Description	Fits Column ID	qty.	cat.#
GRAPHPACK 3D/2 Connector	0.25 mm to 0.32 mm ID	ea.	20272
	0.45 mm to 0.7 mm ID	ea.	20273

Use only with GRAPHPACK 3D/2 ferrules.



20272



GRAPHPACK 2M Ferrules for Gerstel CIS 3 and CIS 4 PTV Inlets

Description	Fits Column ID	qty.	Similar to Part #	cat.#
Graphpack 2M Ferrules	0.25 mm	10-pk.	Gerstel 001805-040-00	22223
	0.32 mm	10-pk.	Gerstel 001805-045-00	22224
	0.53 mm	10-pk.	Gerstel 001805-007-00	22225

22224



Knurled Nut for SeCure "Y" Connectors

Description	qty.	cat.#
Knurled Nut	3-pk.	20279

Knurled Nut for Vu2 Union Connectors

Description	qty.	cat.#
Knurled Nut	2-pk.	21108

MXT "Y"-Union Connector Kits for Connecting Metal and/or Fused Silica GC Columns

Description	Fits Column ID	Union Bore	qty.	cat.#
MXT "Y"-Union Connector Kit	For 0.25 mm ID Columns	0.25 mm	kit	21389
	For 0.32 mm ID Columns	0.25 mm	kit	21388
	For 0.53 mm ID Columns	0.25 mm	kit	21387

21389



MXT Low-Dead-Volume "Y" Connector Kits for Metal Columns

Description	Includes	Fits Column ID	qty.	cat.#
MXT Low-Dead-Volume "Y" Connector Kit	MXT union, 1/32-inch ferrules (3) and nuts (3)	For 0.28 mm ID MXT Columns	kit	20396
	MXT union, 1/32-inch ferrules (3) and nuts (3)	For 0.18/0.25/0.32 mm ID MXT Columns	kit	20537
	MXT union, 1/32-inch ferrules (3) and nuts (3)	For 0.53 mm ID MXT Columns	kit	20395

20396



MXT Low-Dead-Volume Connector Kits for Metal Columns

Description	Includes	Fits Column ID	Union Bore	qty.	cat.#
MXT Low-Dead-Volume Connector Kit	MXT union, 1/32-inch ferrules (2) and nuts (2)	For 0.28 mm ID MXT Columns	0.25 mm	kit	20397
	MXT union, 1/32-inch ferrules (2) and nuts (2)	For 0.18/0.25/0.32 mm ID MXT Columns	0.25 mm	kit	20536
	MXT union, 1/32-inch ferrules (2) and nuts (2)	For 0.53 mm ID MXT Columns	0.25 mm	kit	20394

20394



MXT-Union Connector Kits for Connecting Metal and/or Fused Silica GC Columns

Description	Fits Column ID	Union Bore	qty.	cat.#
MXT-Union Connector Kit	For 0.25 mm ID Columns	0.25 mm	kit	21386
	For 0.32 mm ID Columns	0.25 mm	kit	21385
	For 0.53 mm ID Columns	0.25 mm	kit	21384



Polyimide Resin

Description	qty.	Similar to Part #	cat.#
Polyimide Resin	5 grams	Agilent 500-1200	20445

20445



SeCure "Y" Connector Kits

Description	Includes	Fits Column ID	qty.	cat.#
SeCure "Y" Connector Kit	SeCure "Y" connector body; knurled nuts (3); universal "Y" Press-Tight union; and ferrules (3)	0.18/0.25/0.28 mm	kit	20276
	SeCure "Y" connector body; knurled nuts (3); universal "Y" Press-Tight union; and ferrules (3)	0.32 mm	kit	20277
	SeCure "Y" connector body; knurled nuts (3); universal "Y" Press-Tight union; and ferrules (3)	0.45/0.53 mm	kit	20278

20276





SGE Replacement Ferrules for SilTite μ -Union Connectors

Description	Fits Column ID	Vendor cat.#	qty.	cat.#
Replacement Ferrules for SilTite μ -Union Connector	0.32 mm to 0.32 mm	073569RE	10-pk.	23891
	0.32 mm to 0.53 mm	073570RE	10-pk.	23892
	0.53 mm to 0.53 mm	073571RE	10-pk.	23893
	0.18/0.25 mm to 0.18/0.25 mm	073566RE	10-pk.	23894
	0.18/0.25 mm to 0.32 mm	073567RE	10-pk.	23895
	0.18/0.25 mm to 0.53 mm	073568RE	10-pk.	23896

Maximum temperature: 400 °C



23891

SGE SilTite μ -Union Connectors

Description	Includes	Fits Column ID	Vendor cat.#	qty.	cat.#
SilTite μ -Union Connector Kit	μ -Union connectors (2); double taper ferrules (5); and installation tools	0.32 mm to 0.32 mm	073563RE	kit	23882
	μ -Union connectors (2); double taper ferrules (5); and installation tools	0.32 mm to 0.53 mm	073564RE	kit	23883
	μ -Union connectors (2); double taper ferrules (5); and installation tools	0.53 mm to 0.53 mm	073565RE	kit	23884
	μ -Union connectors (2); double taper ferrules (5); and installation tools	0.18/0.25 mm to 0.18/0.25 mm	073560RE	kit	23885
	μ -Union connectors (2); double taper ferrules (5); and installation tools	0.18/0.25 mm to 0.32 mm	073561RE	kit	23886
	μ -Union connectors (2); double taper ferrules (5); and installation tools	0.18/0.25 mm to 0.53 mm	073562RE	kit	23887



23882

Universal "Y" Press-Tight Connectors

Description	Deactivation	qty.	Similar to Part #	cat.#
Universal "Y" Press-Tight Connector	Undeactivated	ea.	Agilent 5181-3397	20405
	Undeactivated	3-pk.		20406
	Deactivated	ea.	Agilent 5181-3398	20405-261
	Deactivated	3-pk.		20406-261
	Siltek Deactivated	ea.		20485
	Siltek Deactivated	3-pk.		20486



Universal Angled "Y" Press-Tight Connectors

Description	Deactivation	qty.	cat.#
Universal Angled "Y" Press-Tight Connector	Undeactivated	ea.	20403
	Undeactivated	3-pk.	20404
	Deactivated	ea.	20403-261
	Deactivated	3-pk.	20404-261
	Siltek Deactivated	ea.	20487
	Siltek Deactivated	3-pk.	20469



Universal Press-Tight Connectors

Description	Deactivation	qty.	Similar to Part #	cat.#
Universal Press-Tight Connectors	Undeactivated	5-pk.	Agilent 5181-3395, 705-0905	20400
	Undeactivated	25-pk.	Agilent 705-0825	20401
	Undeactivated	100-pk.		20402
	Deactivated	5-pk.	Agilent 5181-3396	20429
	Deactivated	25-pk.		20430
	Siltek Deactivated	5-pk.		20480
	Siltek Deactivated	25-pk.		20449



20400

Valco Zero Dead Volume Internal Union

Description	Union Bore	Vendor cat.#	qty.	Similar to Part #	cat.#
Internal Union	0.15 mm	ZU1XC	ea.		20147
	0.25 mm	ZU1C	ea.		20148
	0.75 mm	ZU1	ea.		20149
	1/16"	ZU1T	ea.	Agilent 0100-0900	20150



20147

**Valco Zero-Dead-Volume Internal Cross**

Description	Union Bore	Vendor cat.#	qty.	cat.#
Internal Cross	0.25 mm	ZX1C	ea.	20156
	0.75 mm	ZX1	ea.	20157

**Valco Zero-Dead-Volume Internal Reducing Union**

Description	Union Bore	Vendor cat.#	qty.	cat.#
Internal Reducing Union	0.25 mm	ZRU21C	ea.	20151
	0.75 mm	ZRU21	ea.	20152
	1/16"	ZRU21T	ea.	20153

**Valco Zero-Dead-Volume Internal Tee**

Description	Union Bore	Vendor cat.#	qty.	cat.#
Internal Tee	0.25 mm	ZT1C	ea.	20154
	0.75 mm	ZT1	ea.	20155

**Vu2 Union Connectors**

Description	Includes	Fits Column ID	qty.	cat.#
Vu2 Union Connector Kit	Vu2 Union body, knurled nuts (2); Press-Tight unions (2); and ferrules (4)	0.10–0.15 mm	kit	22220
	Vu2 Union body, knurled nuts (2); Press-Tight unions (2); and ferrules (4)	0.18–0.28 mm	kit	21105
	Vu2 Union body, knurled nuts (2); Press-Tight unions (2); and ferrules (4)	0.32 mm	kit	21106
	Vu2 Union body, knurled nuts (2); Press-Tight unions (2); and ferrules (4)	0.45–0.53 mm	kit	21107



Note: This product is not recommended for GC column-to-MS connections.

Accessories for Methanizers

Description	Includes	Instrument	qty.	cat.#
Installation Kit for Methanizer	1/8" Stainless-steel metering gas valve; 10' x 1/8" 304 stainless-steel gas supply line (rinsed and cleaned); 1/8" Swagelok tee union; 1/8" –1/16" tube end reducer; 1/8" stainless-steel Swagelok ball shutoff valve; MINICYL regulator with 1/8" fittings		kit	27213
Hydrogen Supply Line			ea.	27208
Catalyst Tube			ea.	27209
Heater Chamber			ea.	27210
Adaptor for Capillary FID		for Agilent and Thermo TRACE 1300/1310 GCs	ea.	27211
		for Shimadzu GCs	ea.	23477
Adaptor for Packed FID		for Agilent and Thermo TRACE 1300/1310 GCs	ea.	27212

**Capillary Adaptable FID Replacement Jet for Agilent 5890/6850/6890 GCs**

Description	Instrument	Length	Type	qty.	Similar to Part #	cat.#
Capillary Adaptable FID Replacement Jet	for Agilent 5890/6850/6890 GCs	61.5 mm	Standard, 0.011" ID Tip	ea.	Agilent 19244-80560	20670
	for Agilent 5890/6850/6890 GCs	61.5 mm	Standard, 0.011" ID Tip	3-pk.	Agilent 19244-80560	20671
	for Agilent 5890/6850/6890 GCs	61.5 mm	High-Performance Siltek Treated, 0.011" ID Tip	ea.	Agilent 19244-80560	20672
	for Agilent 5890/6850/6890 GCs	61.5 mm	High-Performance Siltek Treated, 0.011" ID Tip	3-pk.	Agilent 19244-80560	20673

**Capillary Dedicated FID Replacement Jet for Agilent 5890/6850/6890/7890 GCs**

Description	Instrument	Length	Type	qty.	Similar to Part #	cat.#
Capillary Dedicated FID Replacement Jet	for Agilent 5890/6850/6890/7890 GCs	43 mm	Standard, 0.011" ID Tip	ea.	Agilent G1531-80560	21621
	for Agilent 5890/6850/6890/7890 GCs	43 mm	Standard, 0.011" ID Tip	3-pk.	Agilent G1531-80560	21682
	for Agilent 5890/6850/6890/7890 GCs	43 mm	High-Temperature, 0.018" ID Tip	ea.	Agilent G1531-80620	23078
	for Agilent 5890/6850/6890/7890 GCs	43 mm	High-Temperature, 0.018" ID Tip	3-pk.	Agilent G1531-80620	23079
	for Agilent 5890/6850/6890/7890 GCs	43 mm	High-Performance Siltek Treated, 0.011" ID Tip	ea.	Agilent G1531-80560	21620
	for Agilent 5890/6850/6890/7890 GCs	43 mm	High-Performance Siltek Treated, 0.011" ID Tip	3-pk.	Agilent G1531-80560	21683



**ECD Make-Up Gas Kits** for Agilent 6890/7890 GCs

Description	Includes	Instrument	qty.	cat.#
ECD Adaptor Cap (standard)		for Agilent 6890/7890 GCs	ea.	22641
	replacement fitting, 1/4" nut, graphite ferrule, micro-ECD liner, replacement cap	for Agilent 6890 (micro)	kit	22639
ECD Make-Up Gas Kit	replacement fitting, 1/4" nut, graphite ferrule, fused silica liner, replacement cap	for Agilent 6890 (standard)	kit	22638
	replacement fitting, 1/4" nut, graphite ferrule, micro-ECD liner, replacement cap	for Agilent 7890 GCs	kit	22640

**ECD/FID Dual-Purpose Make-Up Gas Kit** for Agilent 5890 GCs

Description	Instrument	qty.	cat.#
ECD/FID Replacement Fitting Kit with Flow Manifold Connection	for Agilent 5890 GCs	kit	21301

**ECD/Micro ECD Liners, Agilent-Style**

Description	qty.	Similar to Part #	cat.#
Replacement ECD Siltek Metal Guide	2-pk.		21302
	ea.	Agilent 19233-20625	27192
Replacement ECD Fused Silica Liner	5-pk.		27193
	ea.	Agilent G2397-20540	27190
Replacement Micro ECD Liner	5-pk.		27191

**ETP Electron Multipliers for Mass Spectrometry**

Description	Instrument	qty.	cat.#
ETP Electron Multiplier for Mass Spectrometry	for Agilent 5973 & 5975 GC-MS (includes mount for initial installation)*†	ea.	23074
	for Agilent 5973 & 5975 GC-MS and LC-MSD (Replacement Multiplier)*†	ea.	23075

*Note: The electron multipliers have been specifically developed to retrofit the original manufacturer's equipment. The detector incorporates a modular design to facilitate ease of replacement and additional innovations intended to enhance performance. First-time installation requires a mount that includes the mechanical housing. After initial installation, only the replacement electron multiplier is required.

†This unit is designed for use in the 5975, 5973 GC, and the LC-MSD (not for 5975C Triple Axis Detector).

**EZ No-Vent GC Column-Mass Spectrometer Connector** for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS

Description	Includes	Instrument	qty.	cat.#
EZ No-Vent Connector Kit	EZ No-Vent connector; 0.4 mm ID adaptor ferrules for capillary column (2); 0.4 mm ID ferrules for transfer line (2); 100 µm deactivated transfer line (3 ft); column plug; column nut	for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS	kit	21323



21323

EZ No-Vent GC Column-Mass Spectrometer Connector for Bruker/Varian Saturn 2000 Series Mass Spectrometers

Description	Includes	Instrument	qty.	cat.#
EZ No-Vent Connector Kit	EZ No-Vent connector; 0.4 mm ID adaptor ferrules for capillary column (2); 0.4 mm ID ferrules for transfer line (2); 100 µm deactivated transfer line (3 ft); column plug; column nut	for Bruker/Varian Saturn 2000 Series MSs	kit	22423

**EZ No-Vent GC Column-Mass Spectrometer Connector** for Thermo Scientific Focus DSQ GC Mass Spectrometers

Description	Includes	Instrument	qty.	cat.#
EZ No-Vent Connector Kit	EZ No-Vent connector; interface adaptor; 0.4 mm ID adaptor ferrules for capillary column (2); 0.4 mm ID ferrules for transfer line (2); 100 µm deactivated transfer line (3 ft); column plug; column nut	for Thermo Scientific Focus DSQ GC Mass Spectrometers	kit	22454



22454

EZ No-Vent GC Column-Mass Spectrometer Connector for Shimadzu QP2010, QP2010 Plus, and QP2020

Description	Includes	Instrument	qty.	cat.#
EZ No-Vent Connector Kit	EZ No-Vent connector; 0.4 mm ID polyimide adaptor ferrules for capillary column (2); 0.4 mm ID aluminum ferrules for transfer line (2); 100 µm deactivated transfer line (3 ft); column plug; capillary nut	for Shimadzu QP2010, QP2010 Plus, and QP2020	kit	22431



22431

FID Base Weldment for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
FID Base Weldment	for Agilent 5890 GCs	ea.	Agilent 19231-80580	23041
FID Base Weldment, Pack Column FID	for Agilent 6850/6890 GCs	ea.	Agilent G1531-80580	23052
FID Base Weldment, Capillary Column FID	for Agilent 6850/6890 GCs	ea.	Agilent G1531-80630	23053



Note: 6890 GC connections to EPC modules are not compatible with the 7890 EPC modules.

**FID Capillary Column Adaptors** for PerkinElmer Auto SYS XL

Description	Instrument	Used with	qty.	Similar to Part #	cat.#
FID Capillary Column Adaptor	for PerkinElmer Auto SYS XL	For use with PE-style capillary nuts	ea.	PerkinElmer N6120020	22608
	for PerkinElmer Auto SYS XL	For use with 1/16" compression-style nuts	ea.		22609



22608

FID Collector Assembly Kit for Agilent 5890 GCs

Description	Includes	Instrument	qty.	Similar to Part #	cat.#
FID Collector Assembly Kit	Ignitor Castle; Upper PTFE Insulator; Lower PTFE Insulator; Collector Body; Collector Nut; Spring Washer; Ignitor Assembly with O-Ring	for Agilent 5890 GCs	kit	Agilent 19231-60690	23010
FID Collector Assembly Kit w/Siltek Ignitor Castle	Siltek-Treated Ignitor Castle; Upper PTFE Insulator; Lower PTFE Insulator; Collector Body; Collector Nut; Spring Washer; Ignitor Assembly with O-Ring	for Agilent 5890 GCs	kit		21131



23010

FID Collector Assembly Kit for Agilent 6850/6890/7890/8890 GCs

Description	Includes	Instrument	qty.	Similar to Part #	cat.#
FID Collector Assembly Kit	Ignitor Castle; Upper PTFE Insulator; Lower PTFE Insulator; Collector Body; Collector Nut; Spring Washer; Ignitor Assembly with O-Ring	for Agilent 6850/6890/7890/8890 GCs	kit	Agilent G1531-60690	21699
FID Collector Assembly Kit w/Siltek Ignitor Castle	Siltek-Treated Ignitor Castle; Upper PTFE Insulator; Lower PTFE Insulator; Collector Body; Collector Nut; Spring Washer; Ignitor Assembly with O-Ring	for Agilent 6850/6890/7890/8890 GCs	kit		21132



21699

FID Collector Housing Kits for Agilent GCs

Description	Includes	Instrument	qty.	Similar to Part #	cat.#
FID Collector Housing Kit	collector body, spanner nut, and silicone washer—order mount separately	for Agilent 5890 GCs	kit	Agilent 19231-20920	23037
	collector body, silicone washer, nut, and mount	for Agilent 6890/7890 GCs	kit	Agilent G1531-20550	23045



23037

FID Collector Mount for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
FID Collector Mount	for Agilent 5890 GCs	ea.	Agilent 19231-20930	23036
	for Agilent 6890/7890 GCs	ea.	Agilent G1531-20550	23043

**FID Flow Measuring Adaptor** for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
FID Flow Measuring Adaptor	for Agilent GCs	ea.	Agilent 19301-60660	21000



21000

FID Gauge Pack for Agilent 5890 GCs

Description	Instrument	qty.	cat.#
FID Gauge Pack	for Agilent 5890 GCs	ea.	22071



22071

FID Jet for Thermo Scientific TRACE & Focus GCs

Description	Instrument	Note	qty.	Similar to Part #	cat.#
FID Jet	for Thermo Scientific TRACE & Focus GCs	Will not fit Thermo TRACE 1300/1310 GCs.	ea.	Thermo Fisher Scientific 404 043 01	23080



23080

FID Jet Removal Tool for Agilent 5890/6850/6890/7890/8890 FIDs

Description	Instrument	qty.	cat.#
FID Jet Removal Tool	for Agilent 5890/6850/6890/7890/8890 GCs	ea.	22328



22328

FID Jets for Shimadzu 2010 GCs

Description	Instrument	Length	Type	qty.	Similar to Part #	cat.#
FID Jet	for Shimadzu 2010 GCs	57 mm	Capillary	ea.	Shimadzu 221-48258-91	22630
	for Shimadzu 2010 GCs	33 mm	Packed Column	ea.	Shimadzu 221-48885-91	22631
	for Shimadzu 2010 GCs	57 mm	Wide Bore	ea.	Shimadzu 221-49373-91	22632





FID Replacement Parts for PerkinElmer Auto SYS XL and Clarus 500

Description	Instrument	Length	qty.	Similar to Part #	cat.#
FID Jet	for PerkinElmer Auto SYS XL and Clarus 500	64 mm	ea.	PerkinElmer N6100361	23038
Auto-Ignite FID Replacement Part Kit	for PerkinElmer Auto SYS XL and Clarus 500		kit	PerkinElmer 09912223, N6001204, N6100430, N6101085, N6103167, N6103175	23061
Nozzle Insulator	for PerkinElmer Auto SYS XL and Clarus 500		ea.	PerkinElmer N6101085	23062
FID Body	for PerkinElmer Auto SYS XL and Clarus 500		ea.	PerkinElmer N6100364	23063



FID/NPD Adaptor Fitting

Description	qty.	cat.#
FID/NPD Adaptor Fitting	kit	20884



20884

FID/NPD Capillary Adaptor Fitting for Agilent 5890/6850/6890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
FID/NPD Capillary Adaptor Fitting	for Agilent 5890/6890 GCs	ea.	Agilent 19244-80610	22077



22077

GC Accelerator Oven Insert Kit for Agilent 5890, 6890, 7890, and 8890 instruments

Description	Instrument	qty.	cat.#
GC Accelerator Oven Insert Kit	for Agilent 5890, 6890, 7890, and 8890 instruments	kit	23849



23849

Gold Tip Transfer Line

Description	qty.	Similar to Part #	cat.#
Gold Tip Transfer Line	ea.	Agilent 05971-20305	24699



24699

High-Temperature EI Filament for Agilent 5972, 5973, 5975, or 5977 GC-MS

Description	Instrument	qty.	Similar to Part #	cat.#
High-Temperature EI Filament	for Agilent 5972, 5973, 5975, or 5977 GC-MS	ea.	Agilent G3170-60050 (obsolete), G7005-60061	23099



23099

Inland 45 Pump Oil

Description	qty.	Similar to Part #	cat.#
Inland 45 Pump Oil	1 liter	Agilent 6040-0798, 6040-0834	24819



24819

Ion Source Cleaning Powder

Description	qty.	Similar to Part #	cat.#
Ion Source Cleaning Powder	1 kg	Agilent 8660-0791	22685



22685

Methanizer (CH4izer)

Description	Instrument	Note	qty.	cat.#
Methanizer, power cable for U.S./Japan	for Agilent 5890, 6890, 7820, 7890 and 8890 GC-FIDs		kit	22650-US
Methanizer, power cable for Europe	for Agilent 5890, 6890, 7820, 7890 and 8890 GC-FIDs		kit	22650-EU
Methanizer, power cable for Australia	for Agilent 5890, 6890, 7820, 7890 and 8890 GC-FIDs		kit	22650-AU
Methanizer, power cable for United Kingdom	for Agilent 5890, 6890, 7820, 7890 and 8890 GC-FIDs		kit	22650-UK
Methanizer, power cable for China	for Agilent 5890, 6890, 7820, 7890 and 8890 GC-FIDs		kit	22650-CN
Methanizer, power cable for U.S./Japan	for Shimadzu GCs	Cannot be used with Shimadzu 2014 GC models. Contact Customer Service for custom options.	kit	23476-US
Methanizer, power cable for Europe	for Shimadzu GCs	Cannot be used with Shimadzu 2014 GC models. Contact Customer Service for custom options.	kit	23476-EU
Methanizer, power cable for Australia	for Shimadzu GCs	Cannot be used with Shimadzu 2014 GC models. Contact Customer Service for custom options.	kit	23476-AU



22650

Continued



Description	Instrument	Note	qty.	cat.#
Methanizer, power cable for United Kingdom	for Shimadzu GCs	Cannot be used with Shimadzu 2014 GC models. Contact Customer Service for custom options.	kit	23476-UK
Methanizer, power cable for China	for Shimadzu GCs	Cannot be used with Shimadzu 2014 GC models. Contact Customer Service for custom options.	kit	23476-CN
Methanizer, power cable for U.S./Japan	for Thermo TRACE 1300/1310 GCs		kit	22651-US
Methanizer, power cable for Europe	for Thermo TRACE 1300/1310 GCs		kit	22651-EU
Methanizer, power cable for Australia	for Thermo TRACE 1300/1310 GCs		kit	22651-AU
Methanizer, power cable for United Kingdom	for Thermo TRACE 1300/1310 GCs		kit	22651-UK
Methanizer, power cable for China	for Thermo TRACE 1300/1310 GCs		kit	22651-CN

MSD Conversion Fitting for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS

Description	Instrument	qty.	cat.#
MSD Conversion Fitting	for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS	ea.	21314

21314

**MSD Source Nut** for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS

Description	Instrument	qty.	Similar to Part #	cat.#
(Detector) MSD Source Nut	for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS	2-pk.	Agilent 05988-20066	20643

20643

**Packed Column FID Replacement Jets** for Agilent 5890/6850/6890 GCs

Description	Instrument	Length	Type	qty.	Similar to Part #	cat.#
Packed Column FID Replacement Jet	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	Standard, 0.018" ID Tip	ea.	Agilent 18710-20119	21694
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	Standard, 0.018" ID Tip	3-pk.	Agilent 18710-20119	21695
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	High-Performance Siltek Treated, 0.018" ID Tip	ea.	Agilent 18710-20119	21696
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	High-Performance Siltek Treated, 0.018" ID Tip	3-pk.	Agilent 18710-20119	21697
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	Standard, 0.030" ID Tip	ea.	Agilent 18789-80070	21688
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	Standard, 0.030" ID Tip	3-pk.	Agilent 18789-80070	21689
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	High-Performance Siltek Treated, 0.030" ID Tip	ea.	Agilent 18789-80070	21686
	for Agilent 5890/6850/6890 Packed GCs	63.5 mm	High-Performance Siltek Treated, 0.030" ID Tip	3-pk.	Agilent 18789-80070	21687

For capillary columns, including 0.53 mm ID columns, please use our adaptable FID jets.

**Photoionization (PID) Lamps**

Description	Model #	qty.	cat.#
PID Lamp	Model 103 C	ea.	20676
	Model 108	ea.	20675
	Model 108-BTEX	ea.	23020

**PID Lamp Polishing Kit**

Description	qty.	cat.#
PID Lamp Polishing Kit (contains iron oxide cleaning compound, swabs, and instructions)	kit	20674

20674

**Replacement Parts for FID Collector Assembly Kit** for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
FID Collector (includes insulators)	for Agilent 5890 GCs	ea.	Agilent 19231-20950, 19231-20960, 19231-20970	21138
	for Agilent 6850/6890/7890/8890 GCs	ea.	Agilent G1531-20690, G1531-20700	21139
FID Collector Nut and Washer	for Agilent 5890/6850/6890/7890/8890 GCs	set	Agilent 19231-20940, 5181-3311	21136
FID Ignitor	for Agilent 5890/6850/6890/7890/8890 GCs (Also fits OI Analytical 4410 detector)	ea.	Agilent 19231-60680; OI 191833	21001



Continued



Description	Instrument	qty.	Similar to Part #	cat.#
FID Ignitor Castle	for Agilent 5890/6850/6890/7890/8890 GCs	ea.	Agilent 19231-20910	21137
Siltek FID Ignitor Castle	for Agilent 5890/6850/6890/7890/8890 GCs	ea.		21135

Replacement Parts for FID Collector Housing Kits for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
FID Collector Housing	for Agilent 6890/7890 GCs	ea.	Agilent G1531-20740	23044
Replacement Silicone Washers for FID Collector Housing	for Agilent 5890/6850/6890/7890 GCs	12-pk.	Agilent 5180-4165	23064



Replacement Ring Seal for MSD Conversion Fitting for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS

Description	Instrument	qty.	cat.#
Replacement Ring Seal for MSD Conversion Fitting	for Agilent GCs with 5971/5972, 5973, 5975, or 5977 GC-MS	2-pk.	21313



21313

Replacement Transfer Line for EZ No-Vent GC Column-Mass Spectrometer Connectors

Description	qty.	cat.#
Replacement 100 µm Deactivated Transfer Line	3 ft	21018



21018

Rough Pump Oil #19 for MSD Pumps, Oil Vacuum Pump

Description	qty.	cat.#
Rough Pump Oil for MSD Pumps	1 liter	22687



22687

Spanner Wrench for Agilent 5890/6850/6890/7890 FID Collector Assemblies

Description	Instrument	qty.	Similar to Part #	cat.#
Spanner Wrench	for Agilent 5890/6850/6890/7890 FID Collector Assembly	ea.	Agilent 19231-00130	22329



22329

Transfer Line Reducing Kit for Thermo Scientific TRACE & Focus DSQ Mass Spectrometers

Description	Instrument	qty.	Similar to Part #	cat.#
Transfer Line Reducing Kit	for Thermo Scientific TRACE & Focus DSQ Mass Spectrometers	kit	Thermo Fisher Scientific 76458-2009s, 76458-2014s, A0101-03151	22082



22082

1/32" Vespel/Graphite Ferrules

Description	Ferrule ID	Fitting Size	Material	qty.	cat.#
Ferrules	0.4 mm	1/32"	Vespel/Graphite	5-pk.	21039
	0.5 mm	1/32"	Vespel/Graphite	5-pk.	20259



5 mm Ferrules for Shimadzu 17A GCs

Description	Material	Instrument	qty.	cat.#
5 mm Ferrules	Graphite	for Shimadzu 17A GCs	10-pk.	21121



21121

Alumaseal Ferrules

Description	Ferrule ID	Fits Column ID	qty.	cat.#
Alumaseal Ferrules	0.4 mm	0.25 mm	10-pk.	21472
	0.5 mm	0.32 mm	10-pk.	21473
	0.8 mm	0.53 mm	10-pk.	21474



21472

Encapsulated Graphite Capillary Ferrules for 1/16-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Material	qty.	cat.#
Encapsulated Ferrules	0.4 mm	0.25 mm	Graphite	10-pk.	21036
	0.5 mm	0.32 mm	Graphite	10-pk.	21037
	0.8 mm	0.53 mm	Graphite	10-pk.	21038



21038



Ferrules for EZ No-Vent GC Column-MS Connectors

Description	Material	Size	Tubing OD	Vendor cat.#	qty.	cat.#
Replacement ferrules (aluminum) for connecting transfer line to EZ No-Vent Connector: 0.4 mm ID	Aluminum				2-pk.	22432
Replacement Ferrules (polyimide) for connecting transfer line to EZ No-Vent connector: 0.4 mm ID	Polyimide				2-pk.	21043
Adaptor Ferrule	Virgin Polyimide	1/16"	0.30 ≤ 0.40 mm	FS1.4V1-5	2-pk.	21015
	Virgin Polyimide	1/16"	0.40 ≤ 0.50 mm	FS1.5V1-5	2-pk.	21016



21015

Graphite Capillary Ferrules for 1/16-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	Used with	qty.	cat.#
Ferrules, Standard	1/16"		1/16"	Graphite		10-pk.	20207
	0.3 mm		1/16"	Graphite		10-pk.	20233
	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	Graphite		10-pk.	20200
	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	Graphite		50-pk.	20227
Ferrules	0.5 mm	0.32 mm	1/16"	Graphite		10-pk.	20201
	0.5 mm	0.32 mm	1/16"	Graphite		50-pk.	20228
	0.8 mm	0.45/0.53 mm	1/16"	Graphite		10-pk.	20202
	0.8 mm	0.45/0.53 mm	1/16"	Graphite		50-pk.	20224
	1.0 mm	0.75 mm	1/16"	Graphite	For micropacked columns.	10-pk.	21058
	1.6 mm	1.00 mm	1/16"	Graphite	For micropacked columns.	10-pk.	21060



21060

Graphite Compact Capillary Ferrules

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	Instrument	Used with	qty.	Similar to Part #	cat.#
Compact Ferrules	0.4 mm	0.25/0.28 mm	1/16"	Graphite	for Agilent GCs		10-pk.	Agilent 500-2114	20250
	0.4 mm	0.25/0.28 mm	1/16"	Graphite	for Agilent GCs		50-pk.		20251
	0.5 mm	0.32 mm	1/16"	Graphite	for Agilent GCs		10-pk.	Agilent 5080-8853	21007
	0.5 mm	0.32 mm	1/16"	Graphite	for Agilent GCs		50-pk.	Agilent 5080-8853	21008
	0.8 mm	0.45/0.53 mm	1/16"	Graphite	for Agilent GCs		10-pk.	Agilent 500-2118, 5080-8773	20252
	0.8 mm	0.45/0.53 mm	1/16"	Graphite	for Agilent GCs		50-pk.		20253
	1.0 mm	0.75 mm		Graphite	for Agilent GCs	For micropacked columns.	10-pk.		21059
	1.6 mm	1.00 mm		Graphite	for Agilent GCs	For micropacked columns.	10-pk.		21061



20250

Graphite Ferrules for 1/4-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	cat.#
Ferrules, Standard	1/4"		1/4"	Graphite	10-pk.	20210
Reducing Ferrules	0.5 mm	0.32 mm	1/4"	Graphite	5-pk.	20203
	0.8 mm	0.53 mm	1/4"	Graphite	5-pk.	20204
Ferrules, Standard	reduce to 1/8"		1/4"	Graphite	10-pk.	20225
	reduce to 1/16"		1/4"	Graphite	10-pk.	20226



20210

Graphite Ferrules for 1/8-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	cat.#
Ferrules, Standard	1/8"		1/8"	Graphite	10-pk.	20208
Reducing Ferrules	0.5 mm	0.32 mm	1/8"	Graphite	5-pk.	20205
	0.8 mm	0.53 mm	1/8"	Graphite	5-pk.	20206
Ferrules, Standard	reduce to 1/16"		1/8"	Graphite	10-pk.	20209



20209

GRAPHPACK 3D/2 Ferrules

Description	Ferrule ID	Fits Column ID	qty.	cat.#
Graphpack 3D/2 Ferrules	0.4 mm	0.25 mm	10-pk.	20271
	0.5 mm	0.32 mm	10-pk.	20270
	0.8 mm	0.45/0.53 mm	10-pk.	20274



20270



PTFE Ferrules

Description	Ferrule ID	Fitting Size	Material	qty.	cat.#
PTFE Ferrules	1/16"	1/16"	PTFE (polytetrafluoroethylene)	10-pk.	21122
	0.8 mm	1/16"	PTFE (polytetrafluoroethylene)	10-pk.	21125
	1/8"	1/8"	PTFE (polytetrafluoroethylene)	10-pk.	21126
	3/16"	3/16"	PTFE (polytetrafluoroethylene)	10-pk.	21127
	1/4"	1/4"	PTFE (polytetrafluoroethylene)	10-pk.	21128



21127

Replacement Ferrules for MXT Connectors (1/32-Inch Stainless Steel)

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	cat.#
Replacement Ferrules for MXT Connectors	0.53 mm	0.18/0.25/0.32 mm	1/32"	Stainless Steel	10-pk.	20535
	0.59 mm	0.28 mm	1/32"	Stainless Steel	10-pk.	20398
	0.79 mm	0.53 mm	1/32"	Stainless Steel	10-pk.	20399



20398

Stainless Steel Jet Reamers / Ferrule Removers

Description	qty.	cat.#
Stainless Steel Jet Reamers / Ferrule Removers	6-piece set	20113



20113

Two-Piece Graphite Capillary Ferrules

Description	Ferrule ID	Fits Column ID	Material	Instrument	qty.	Similar to Part #	cat.#
Graphite Ferrules	0.4 mm	0.25 mm and less	Graphite	for Shimadzu 17A, 2010, 2014, and 2030 GCs	10-pk.	Shimadzu 220-90765-00	24827
	0.5 mm	0.32 mm	Graphite	for Shimadzu 17A, 2010, 2014, and 2030 GCs	10-pk.	Shimadzu 221-32126-05	24828
	0.8 mm	0.53 mm	Graphite	for Shimadzu 17A, 2010, 2014, and 2030 GCs	10-pk.	Shimadzu 221-32126-08	24829



24829

Valco 1/32-Inch Adaptor Ferrules (Valcon Polyimide)

Description	Material	Tubing ID	Tubing OD	Vendor cat.#	qty.	cat.#
1/32" Adaptor Ferrule	Valcon Polyimide	0.25 mm	0.25 ≤ 0.40 mm	FS.4-5	5-pk.	20137
	Valcon Polyimide	0.32 mm	0.40 ≤ 0.50 mm	FS.5-5	5-pk.	20140
	Valcon Polyimide	0.53 mm	0.50 ≤ 0.80 mm	ZF.5V-5	5-pk.	20141



Valco Nuts & Ferrules for Valco Connectors (1/16-Inch Stainless Steel)

Description	Material	Size	Vendor cat.#	qty.	cat.#
Ferrules	Stainless Steel	1/16"	ZF1-10	10-pk.	20286
Nuts	Stainless Steel	1/16"	ZN1-10	10-pk.	20287



Valco Polyimide Ferrules for 1/16-Inch Valco Fittings

Description	Material	Size	Tubing OD	Vendor cat.#	qty.	cat.#
Adaptor Ferrule	Valcon Polyimide	1/16"	0.30 ≤ 0.40 mm	FS1.4-5	5-pk.	20142
	Valcon Polyimide	1/16"	0.40 ≤ 0.50 mm	FS1.5-5	5-pk.	20143
	Valcon Polyimide	1/16"	0.50 ≤ 0.80 mm	FS1.8-5	5-pk.	20144
	Valcon Polyimide	1/16"	0.80 ≤ 0.90 mm	FS1.9-5	5-pk.	20145



20142

Vespel Ferrules

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	Used with	qty.	cat.#
Ferrules, Standard	1/4"		1/4"	Vespel		10-pk.	22212
	1/8"		1/8"	Vespel		10-pk.	22211
	1/16"		1/16"	Vespel		10-pk.	22210
Ferrules	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	Vespel		10-pk.	22214
	0.5 mm	0.32 mm	1/16"	Vespel		10-pk.	22215
	0.8 mm	0.45/0.53 mm	1/16"	Vespel		10-pk.	22216
	1.0 mm	0.75 mm	1/16"	Vespel	For micropacked columns.	10-pk.	22217



22211



Vespel/Graphite Capillary Ferrules for 1/16-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	Used with	qty.	Similar to Part #	cat.#
Blank Ferrules—For 1/16-Inch Fittings	no hole		1/16"	VG2, 60% Vespel/40% Graphite		10-pk.		20240
Ferrules, Standard	1/16"		1/16"	VG2, 60% Vespel/40% Graphite		10-pk.		20218
	1/16"		1/16"	VG1, 85% Vespel/15% Graphite		10-pk.		27076
Ferrules	0.3 mm		1/16"	VG2, 60% Vespel/40% Graphite		10-pk.		20275
	0.3 mm		1/16"	VG1, 85% Vespel/15% Graphite		10-pk.		27061
Replacement Ferrules for Dual-Column Confirmation Analysis	0.4 mm	0.25/0.28 mm	1/16"	VG2, 60% Vespel/40% Graphite		5-pk.	Agilent 5062-3580	24848
Ferrules	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	VG2, 60% Vespel/40% Graphite		10-pk.		20211
	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	VG2, 60% Vespel/40% Graphite		50-pk.		20229
	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	VG1, 85% Vespel/15% Graphite		10-pk.		27062
	0.4 mm	0.10/0.15/0.18/0.25/0.28 mm	1/16"	VG1, 85% Vespel/15% Graphite		50-pk.		27063
Replacement Ferrules for Dual-Column Confirmation Analysis	0.5 mm	0.32 mm	1/16"	VG2, 60% Vespel/40% Graphite		5-pk.	Agilent 5062-3581	24849
Ferrules	0.5 mm	0.32 mm	1/16"	VG2, 60% Vespel/40% Graphite		10-pk.		20212
	0.5 mm	0.32 mm	1/16"	VG2, 60% Vespel/40% Graphite		50-pk.		20231
	0.5 mm	0.32 mm	1/16"	VG1, 85% Vespel/15% Graphite		10-pk.		27064
	0.5 mm	0.32 mm	1/16"	VG1, 85% Vespel/15% Graphite		50-pk.		27065
	0.6 mm	0.28 mm	1/16"	VG2, 60% Vespel/40% Graphite	For 0.28 mm MXT columns.	10-pk.		20232
	0.6 mm	0.28 mm	1/16"	VG1, 85% Vespel/15% Graphite	For 0.28 mm MXT columns.	10-pk.		27066
	0.8 mm	0.45/0.53 mm	1/16"	VG2, 60% Vespel/40% Graphite		10-pk.		20213
	0.8 mm	0.45/0.53 mm	1/16"	VG2, 60% Vespel/40% Graphite		50-pk.		20230
	0.8 mm	0.45/0.53 mm	1/16"	VG1, 85% Vespel/15% Graphite		10-pk.		27067
	0.8 mm	0.45/0.53 mm	1/16"	VG1, 85% Vespel/15% Graphite		50-pk.		27068
	1.0 mm	0.75 mm	1/16"	VG2, 60% Vespel/40% Graphite	For micropacked columns.	10-pk.		24912
	1.0 mm	0.75 mm	1/16"	VG1, 85% Vespel/15% Graphite	For micropacked columns.	10-pk.		27069





Vespel/Graphite Compact Capillary Ferrules

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	Instrument	qty.	Similar to Part #	cat.#
Compact Ferrules	0.4 mm	0.25/0.28 mm	1/16"	VG2, 60% Vespel/40% Graphite	for Agilent GCs	10-pk.		20238
	0.4 mm	0.25/0.28 mm	1/16"	VG2, 60% Vespel/40% Graphite	for Agilent GCs	50-pk.		20239
	0.4 mm	0.25/0.28 mm	1/16"	VG1, 85% Vespel/15% Graphite	for Agilent GCs	10-pk.	Agilent 5181-3323	27070
	0.4 mm	0.25/0.28 mm	1/16"	VG1, 85% Vespel/15% Graphite	for Agilent GCs	50-pk.	Agilent 5181-3323	27071
	0.5 mm	0.32 mm	1/16"	VG2, 60% Vespel/40% Graphite	for Agilent GCs	10-pk.		20248
	0.5 mm	0.32 mm	1/16"	VG2, 60% Vespel/40% Graphite	for Agilent GCs	50-pk.		20249
	0.5 mm	0.32 mm	1/16"	VG1, 85% Vespel/15% Graphite	for Agilent GCs	10-pk.	Agilent 5062-3514	27072
	0.5 mm	0.32 mm	1/16"	VG1, 85% Vespel/15% Graphite	for Agilent GCs	50-pk.	Agilent 5062-3514	27073
	0.8 mm	0.45/0.53 mm	1/16"	VG2, 60% Vespel/40% Graphite	for Agilent GCs	10-pk.		20263
	0.8 mm	0.45/0.53 mm	1/16"	VG2, 60% Vespel/40% Graphite	for Agilent GCs	50-pk.		20264
	0.8 mm	0.45/0.53 mm	1/16"	VG1, 85% Vespel/15% Graphite	for Agilent GCs	10-pk.	Agilent 5062-3512	27074
	0.8 mm	0.45/0.53 mm	1/16"	VG1, 85% Vespel/15% Graphite	for Agilent GCs	50-pk.	Agilent 5062-3512	27075



Vespel/Graphite Ferrules for 1/4-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	Similar to Part #	cat.#
Ferrules, Standard	1/4"		1/4"	VG2, 60% Vespel/40% Graphite	10-pk.	Agilent 5080-8774	20221
	1/4"		1/4"	VG1, 85% Vespel/15% Graphite	10-pk.		27078
Reducing Ferrules	0.4/0.5 mm	0.32 mm	1/4"	VG2, 60% Vespel/40% Graphite	5-pk.		20257
	0.8 mm	0.53 mm	1/4"	VG2, 60% Vespel/40% Graphite	5-pk.		20217
	3/16"		1/4"	VG2, 60% Vespel/40% Graphite	5-pk.		20258
Ferrules, Standard	reduce to 1/8"		1/4"	VG2, 60% Vespel/40% Graphite	10-pk.		20222
	reduce to 1/16"		1/4"	VG2, 60% Vespel/40% Graphite	10-pk.		20223



Vespel/Graphite Ferrules for 1/8-Inch Compression-Type Fittings

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	cat.#
Ferrules, Standard	1/8"		1/8"	VG2, 60% Vespel/40% Graphite	10-pk.	20219
	1/8"		1/8"	VG1, 85% Vespel/15% Graphite	10-pk.	27077
	reduce to 1/16"		1/8"	VG2, 60% Vespel/40% Graphite	10-pk.	20220
Reducing Ferrules	0.4 mm	0.25 mm	1/8"	VG2, 60% Vespel/40% Graphite	5-pk.	20254
	0.4 mm	0.25 mm	1/8"	VG1, 85% Vespel/15% Graphite	10-pk.	27079
	0.5 mm	0.32 mm	1/8"	VG2, 60% Vespel/40% Graphite	5-pk.	20255
	0.5 mm	0.32 mm	1/8"	VG1, 85% Vespel/15% Graphite	10-pk.	27080
Replacement Ferrules for Dual-Column Confirmational Analysis	0.8 mm	0.45/0.53 mm	1/8"	VG2, 60% Vespel/40% Graphite	5-pk.	20246
Reducing Ferrules	0.8 mm	0.53 mm	1/8"	VG2, 60% Vespel/40% Graphite	5-pk.	20215
	0.8 mm	0.53 mm	1/8"	VG1, 85% Vespel/15% Graphite	10-pk.	27081



Vu-Union Graphite Ferrules

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	Similar to Part #	cat.#
Ferrules	0.3 mm	0.10–0.15 mm	1/16"	Graphite	2-pk.		22221
	0.3 mm	0.10–0.15 mm	1/16"	Graphite	10-pk.		22222
	0.4 mm	0.18–0.28 mm	1/16"	Graphite	2-pk.	Thermo Fisher Scientific 29013488	20280
	0.4 mm	0.18–0.28 mm	1/16"	Graphite	10-pk.	Thermo Fisher Scientific 29053488	20281
	0.5 mm	0.32 mm	1/16"	Graphite	2-pk.	Thermo Fisher Scientific 29013487	20282
	0.5 mm	0.32 mm	1/16"	Graphite	10-pk.	Thermo Fisher Scientific 29053487	20283
	0.8 mm	0.45–0.53 mm	1/16"	Graphite	2-pk.	Thermo Fisher Scientific 29013486	20284
	0.8 mm	0.45–0.53 mm	1/16"	Graphite	10-pk.	Thermo Fisher Scientific 29053486	20285





Vu-Union Vespel/Graphite Ferrules

Description	Ferrule ID	Fits Column ID	Fitting Size	Material	qty.	cat.#
Ferrules	0.4 mm	0.25 mm ID/0.4 mm OD	1/16"	Vespel/Graphite	10-pk.	20420
	0.5 mm	0.32 mm ID/0.5 mm OD	1/16"	Vespel/Graphite	10-pk.	20421
	0.8 mm	0.45/0.53 mm ID/0.8 mm OD	1/16"	Vespel/Graphite	10-pk.	20422

20422



Parker Back Ferrule (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Back Ferrule	1/16"	Brass	1BF1-B	20-pk.	Supelco/Millipore Sigma 22023; Swagelok 104-1	21806
	1/16"	Stainless Steel	1BF1-316	10-pk.	Agilent 5180-4114; Supelco/Millipore Sigma 22049-U; Swagelok 104-1	21906
	1/4"	Brass	4BF4-B	40-pk.	Agilent 5180-4117; Supelco/Millipore Sigma 22002; Swagelok 404-1	21808
	1/4"	Stainless Steel	4BF4-316	20-pk.	Supelco/Millipore Sigma 22028; Swagelok 404-1	21908
	1/8"	Brass	2BF2-B	40-pk.	Agilent 5180-4115; Supelco/Millipore Sigma 22013; Swagelok 204-1	21807
	1/8"	Stainless Steel	2BF2-316	20-pk.	Supelco/Millipore Sigma 22039; Swagelok 204-1	21907

21806



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.

Parker Cross (Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Cross	1/4"	Stainless Steel	4ECR4-316	ea.	Swagelok 400-4	21930
	1/4"	Siltek/Sulfinert-Treated	4ECR4-316	ea.		21543

21543



Parker Elbow (Treated)

Description	Size	Material	Vendor cat.#	qty.	cat.#
Elbow	1/4"	Siltek/Sulfinert-Treated	1EE4	ea.	22531
	1/8"	Siltek/Sulfinert-Treated	2EE2-316	ea.	22530

22531



Parker Female Connector (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Female Connector	1/4" to 1/4" NPT	Brass	4FSC4N-B	5-pk.	Swagelok 400-7-4	21847
	1/4" to 1/4" NPT	Stainless Steel	4FSC4N-316	2-pk.	Swagelok 400-7-4	21947
	1/4" to 1/4" NPT	Siltek/Sulfinert-Treated	4FSC4N-316	ea.		21557
	1/4" to 1/8" NPT	Brass	4FSC2N-B	5-pk.	Swagelok 400-7-2	21848
	1/4" to 1/8" NPT	Stainless Steel	4FSC2N-316	2-pk.	Swagelok 400-7-2	21948
	1/8" to 1/4" NPT	Siltek/Sulfinert-Treated	2FSC4N-316	ea.		21559
	1/8" to 1/8" NPT	Brass	2FSC2N-B	5-pk.	Swagelok 200-7-2	21846
	1/8" to 1/8" NPT	Stainless Steel	2FSC2N-316	2-pk.	Swagelok 200-7-2	21946

21559



Parker Female Quick Coupling (Stainless Steel)

Description	Includes	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Female Quick Coupling	self-sealing shutoff valve	1/8" female	Stainless Steel	2A-Q4CY-SSP	ea.	Swagelok QC4B-200	21959
	self-sealing shutoff valve	1/4" female	Stainless Steel	4A-Q4CY-SSP	ea.	Swagelok QC4B-400	21962

21959



Parker Front Ferrule (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Front Ferrule	1/16"	Brass	1FF1-B	20-pk.	Supelco/Millipore Sigma 22022-U; Swagelok 103-1	21803
	1/16"	Stainless Steel	1FF1-316	10-pk.	Agilent 5180-4108; Supelco/Millipore Sigma 22048-U; Swagelok 103-1	21903
	1/4"	Brass	4FF4-B	40-pk.	Supelco/Millipore Sigma 22001; Swagelok 403-1	21805
	1/4"	Stainless Steel	4FF4-316	20-pk.	Supelco/Millipore Sigma 22027; Swagelok 403-1	21905
	1/8"	Brass	2FF2-B	40-pk.	Agilent 5180-4109; Supelco/Millipore Sigma 22012; Swagelok 203-1	21804
	1/8"	Stainless Steel	2FF2-316	20-pk.	Supelco/Millipore Sigma 22038; Swagelok 203-1	21904

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.



**Parker Male Connector** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Male Connector	1/4" to 1/4" NPT	Brass	4MSC4N-B	10-pk.	Swagelok 400-1-4	21842
	1/4" to 1/4" NPT	Stainless Steel	4MSC4N-316	2-pk.	Swagelok 400-1-4	21942
	1/4" to 1/4" NPT	Siltek/Sulfinert-Treated	4MSC4N-316	ea.		21552
	1/4" to 1/8" NPT	Brass	4MSC2N-B	10-pk.	Swagelok 400-1-2	21845
	1/4" to 1/8" NPT	Siltek/Sulfinert-Treated	4MSC4N-316	ea.		21555
	1/8" to 1/4" NPT	Brass	2MSC4N-B	10-pk.	Swagelok 200-1-4	21844
	1/8" to 1/4" NPT	Stainless Steel	2MSC4N-316	2-pk.	Swagelok 200-1-4	21944
	1/8" to 1/4" NPT	Siltek/Sulfinert-Treated	2MSC4N-316	ea.		21554
	1/8" to 1/8" NPT	Brass	2MSC2N-B	10-pk.	Swagelok 200-1-2	21841
	1/8" to 1/8" NPT	Stainless Steel	2MSC2N-316	2-pk.	Swagelok 200-1-2	21941
	1/8" to 1/8" NPT	Siltek/Sulfinert-Treated	2MSC2N-316	ea.		21551

**Parker Male Quick Coupling** (Stainless Steel)

Description	Includes	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Male Quick Coupling		1/4" male	Stainless Steel	4A-Q4P-316	ea.	Swagelok QC4S-400	21961
		1/8" male	Stainless Steel	2A-Q4P-SS	ea.	Swagelok QC4S-200	21958
	self-sealing shutoff valve	1/8" male	Stainless Steel	2A-Q4VY-SS	ea.	Swagelok QC4D-200	21957



21958

Parker Nut (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Nut	1/16"	Stainless Steel	1NU1-316	5-pk.	Agilent 5180-4102; Supelco/Millipore Sigma 22047; Swagelok 102-1	21900
	1/4"	Brass	4NU4-B	40-pk.	Agilent 5180-4105; Supelco/Millipore Sigma 22000-U; Swagelok 402-1	21802
	1/4"	Stainless Steel	4NU4-316	10-pk.	Supelco/Millipore Sigma 22026; Swagelok 402-1	21902
	1/8"	Brass	2NU2-B	40-pk.	Agilent 5180-4103; Supelco/Millipore Sigma 22011-U; Swagelok 202-1	21801
	1/8"	Stainless Steel	2NU2-316	10-pk.	Supelco/Millipore Sigma 22037; Swagelok 202-1	21901



21800

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.

Parker Nut & Ferrule Set (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Nut & Ferrule Set	1/16"	Brass	1NU1-B + 1FF1-B + 1BF1-B	10-pk.	Supelco/Millipore Sigma 22024	21809
	1/16"	Stainless Steel	1NU1-316 + 1FF1-316 + 1BF1-316	2-pk.	Agilent 5180-4149; Supelco/Millipore Sigma 22050	21909
	1/4"	Brass	4NU4-B + 4FF4-B + 4BF4-B	20-pk.	Agilent 5080-8752; Supelco/Millipore Sigma 22003	21811
	1/4"	Stainless Steel	4NU4-316 + 4FF4-316 + 4BF4-316	5-pk.	Agilent 5080-8753; Supelco/Millipore Sigma 22029	21911
	1/8"	Brass	2NU2-B + 2FF2-B + 2BF2-B	20-pk.	Agilent 5080-8750; Supelco/Millipore Sigma 22014	21810
	1/8"	Stainless Steel	2NU2-316 + 2FF2-316 + 2BF2-316	5-pk.	Agilent 5080-8751; Supelco/Millipore Sigma 22040-U	21910



21909

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.

Parker Plug (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Plug	1/4"	Brass	4BLP4-B	10-pk.	Agilent 5180-4125; Supelco/Millipore Sigma 22009; Swagelok 400-P	21817
	1/4"	Stainless Steel	4BLP4-316	4-pk.	Supelco/Millipore Sigma 22035-U; Swagelok 400-P	21917
	1/8"	Brass	2BLP2-B	10-pk.	Agilent 5180-4124; Supelco/Millipore Sigma 22019-U; Swagelok 200-P	21816
	1/8"	Stainless Steel	2BLP2-316	4-pk.	Supelco/Millipore Sigma 22045-U; Swagelok 200-P	21916
	1/8"	Siltek/Sulfinert-Treated	2BLP2-316	ea.		21540



21817

Parker Port Connector (Treated)

Description	Size	Material	Vendor cat.#	qty.	cat.#
Port Connector	1/4"	Siltek/Sulfinert-Treated	4PC4-316	ea.	21549
	1/8"	Siltek/Sulfinert-Treated	2PC2-316	ea.	21548
	1/8" to 1/4"	Siltek/Sulfinert-Treated	2PC4-316	ea.	21550



21550

**Parker Reducing Union** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Reducing Union	1/4" to 1/16"	Siltek/Sulfinert-Treated	4RU1-316	ea.		22524
	1/4" to 1/8"	Brass	4RU2-B	5-pk.	Agilent 5180-4131; Swagelok 400-6-2	21825
	1/4" to 1/8"	Stainless Steel	4RU2-316	2-pk.	Agilent 0100-0121; Swagelok 400-6-2	21925
	1/4" to 1/8"	Siltek/Sulfinert-Treated	4RU2-316	ea.	PerkinElmer NR410212ST	22525
	1/4" to 1/8"	Silcosteel-CR Treated	4RU2-316	ea.		22871
	1/8" to 1/16"	Stainless Steel	2RU1-316	ea.	Agilent 0100-0241; Swagelok 200-6-1	21923
	1/8" to 1/16"	Siltek/Sulfinert-Treated	2RU1-316	ea.		22523
	1/8" to 1/16"	Silcosteel-CR Treated	2RU1-316	ea.		22869

**Parker Tee** (Brass, Stainless Steel & Treated)

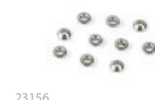
Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Tee	1/16"	Stainless Steel	1ET1-316	ea.	Agilent 0100-0782; Swagelok 100-3	21926
	1/16"	Siltek/Sulfinert-Treated	1ET1-316	ea.		22526
	1/4"	Brass	4ET4-B	2-pk.	Agilent 5180-4129; Swagelok 400-3	21828
	1/4"	Stainless Steel	4ET4-316	ea.	Swagelok 400-3	21928
	1/4"	Siltek/Sulfinert-Treated	4ET4-316	ea.		22528
	1/4"	Silcosteel-CR Treated	4ET4-316	ea.		22868
	1/8"	Brass	2ET2-B	2-pk.	Agilent 5180-4160; Swagelok 200-3	21827
	1/8"	Stainless Steel	2ET2-316	ea.	Agilent 0100-0542; Swagelok 200-3	21927
	1/8"	Siltek/Sulfinert-Treated	2ET2-316	ea.	PerkinElmer NR410058ST	22527
	1/8"	Silcosteel-CR Treated	2ET2-316	ea.		22867

**Parker Union** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Union	1/16"	Stainless Steel	1SC1-316	ea.	Agilent 0100-0124; Swagelok 100-6	21918
	1/16"	Siltek/Sulfinert-Treated	1SC1-316	ea.		22520
	1/16"	Silcosteel-CR Treated	1SC1-316	ea.		22863
	1/4"	Brass	4SC4-B	5-pk.	Agilent 5180-4128; Swagelok 400-6	21820
	1/4"	Stainless Steel	4SC4-316	2-pk.	Agilent 0100-0128; Swagelok 400-6	21920
	1/4"	Siltek/Sulfinert-Treated	4SC4-316	ea.		22522
	1/8"	Brass	2SC2-B	5-pk.	Agilent 5180-4127; Swagelok 200-6	21819
	1/8"	Stainless Steel	2SC2-316	2-pk.	Agilent 0100-0126; Swagelok 200-6	21919
	1/8"	Siltek/Sulfinert-Treated	2SC2-316	ea.		22521
	1/8"	Silcosteel-CR Treated	2SC2-316	ea.		22864

**Swagelok Back Ferrule** (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Back Ferrule	1/16"	Brass	B-104-1	20-pk.	Supelco/Millipore Sigma 22023	23106
	1/16"	Stainless Steel	SS-104-1	10-pk.	Agilent 5180-4114; Supelco/Millipore Sigma 22049	23156
	1/4"	Brass	B-404-1	40-pk.	Supelco/Millipore Sigma 22002	23108
	1/4"	Stainless Steel	SS-404-1	20-pk.	Supelco/Millipore Sigma 22028	23158
	1/8"	Brass	B-204-1	40-pk.	Supelco/Millipore Sigma 22013	23107
	1/8"	Stainless Steel	SS-204-1	20-pk.	Supelco/Millipore Sigma 22039	23157



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 Bulkhead Union (Treated)

Description	Size	Material	Vendor cat.#	qty.	cat.#
Bulkhead Union	1/4"	Siltek/Sulfinert-Treated	SS-400-61	ea.	22571
	1/4"	Silcosteel-CR Treated	SS-400-61	ea.	22618
	1/8"	Siltek/Sulfinert-Treated	SS-200-61	ea.	22570
	1/8"	Silcosteel-CR Treated	SS-200-61	ea.	22617



**Swagelok Cross** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Cross	1/4"	Stainless Steel	SS-400-4	ea.		23175
	1/4"	Siltek/Sulfinert-Treated	SS-400-4	ea.		22552
	1/8"	Brass	B-200-4	2-pk.	Agilent 0100-0161; Parker 2ECR2-B; Supelco/Millipore Sigma 22684	23124
	1/8"	Stainless Steel	SS-200-4	ea.		23174
	1/8"	Siltek/Sulfinert-Treated	SS-200-4	ea.		22551
	1/8"	Silcosteel-CR Treated	SS-200-4	ea.		22586



23174

Swagelok Elbow (Treated)

Description	Size	Material	Vendor cat.#	qty.	cat.#
Elbow	1/4"	Siltek/Sulfinert-Treated	SS-400-9	ea.	22550
	1/4"	Silcosteel-CR Treated	SS-400-9	ea.	22585
	1/8"	Siltek/Sulfinert-Treated	SS-200-9	ea.	22549
	1/8"	Silcosteel-CR Treated	SS-200-9	ea.	22584



22549

Swagelok Female Connector (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Female Connector	1/4" to 1/4" NPT	Brass	B-400-7-4	5-pk.	Supelco/Millipore Sigma 22707	23139
	1/4" to 1/4" NPT	Stainless Steel	SS-400-7-4	2-pk.	Supelco/Millipore Sigma 22708	23189
	1/4" to 1/4" NPT	Siltek/Sulfinert-Treated	SS-400-7-4	ea.		22567
	1/4" to 1/4" NPT	Silcosteel-CR Treated	SS-400-7-4	ea.		22614
	1/4" to 1/8" NPT	Brass	B-400-7-2	5-pk.	Supelco/Millipore Sigma 22705-U	23140
	1/4" to 1/8" NPT	Stainless Steel	SS-400-7-2	2-pk.	Supelco/Millipore Sigma 22706	23190
	1/4" to 1/8" NPT	Siltek/Sulfinert-Treated	SS-400-7-2	ea.		22568
	1/4" to 1/8" NPT	Silcosteel-CR Treated	SS-400-7-2	ea.		22615
	1/8" to 1/4" NPT	Siltek/Sulfinert-Treated	SS-200-7-4	ea.		22569
	1/8" to 1/4" NPT	Silcosteel-CR Treated	SS-200-7-4	ea.		22616
	1/8" to 1/8" NPT	Brass	B-200-7-2	5-pk.	Supelco/Millipore Sigma 22703	23138
	1/8" to 1/8" NPT	Stainless Steel	SS-200-7-2	2-pk.		23188

**Swagelok Female Quick Coupling** (Stainless Steel)

Description	Includes	Size	Material	Vendor cat.#	qty.	cat.#
Female Quick Coupling	self-sealing shutoff valve	1/8" female	Stainless Steel	SS-QC4-B-200	ea.	23193
	self-sealing shutoff valve	1/4" female	Stainless Steel	SS-QC4-B-400	ea.	23196



23196

Swagelok Fitting Kit (Brass)

Description	Material	qty.	cat.#
Swagelok Fitting Kit	Brass	kit	23141



23141

Swagelok Fitting Kit (Stainless Steel)

Description	Material	qty.	cat.#
Swagelok Fitting Kit	Stainless Steel	kit	23197



23197

Swagelok Front Ferrule (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Front Ferrule	1/16"	Brass	B-103-1	20-pk.	Supelco/Millipore Sigma 22022-U	23103
	1/16"	Stainless Steel	SS-103-1	10-pk.	Agilent 5180-4108; Supelco/Millipore Sigma 22048	23153
	1/4"	Brass	B-403-1	40-pk.	Supelco/Millipore Sigma 22001	23105
	1/4"	Stainless Steel	SS-403-1	20-pk.	Supelco/Millipore Sigma 22027	23155
	1/8"	Brass	B-203-1	40-pk.	Supelco/Millipore Sigma 22012	23104
	1/8"	Stainless Steel	SS-203-1	20-pk.	Supelco/Millipore Sigma 22038	23154



23153

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 Male Connector (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Male Connector	1/16" to 1/8" NPT	Stainless Steel	SS-100-1-2	2-pk.		23185
	1/16" to 1/8" NPT	Siltek/Sulfinert-Treated	SS-100-1-2	ea.		22563
	1/16" to 1/8" NPT	Silcosteel-CR Treated	SS-100-1-2	ea.		22610
	1/4" to 1/4" NPT	Brass	B-400-1-4	10-pk.	Supelco/Millipore Sigma 21519	23134
	1/4" to 1/4" NPT	Stainless Steel	SS-400-1-4	2-pk.	Supelco/Millipore Sigma 22700-U	23184
	1/4" to 1/4" NPT	Siltek/Sulfinert-Treated	SS-400-1-4	ea.		22562
	1/4" to 1/4" NPT	Silcosteel-CR Treated	SS-400-1-4	ea.		22596
	1/4" to 1/8" NPT	Brass	B-400-1-2	10-pk.	Supelco/Millipore Sigma 22066	23137
	1/4" to 1/8" NPT	Stainless Steel	SS-400-1-2	2-pk.	Supelco/Millipore Sigma 22085-U	23187
	1/4" to 1/8" NPT	Siltek/Sulfinert-Treated	SS-400-1-2	ea.		22565
	1/4" to 1/8" NPT	Silcosteel-CR Treated	SS-400-1-2	ea.		22612
	1/8" to 1/4" NPT	Brass	B-200-1-4	10-pk.	Supelco/Millipore Sigma 22083	23136
	1/8" to 1/4" NPT	Stainless Steel	SS-200-1-4	2-pk.	Supelco/Millipore Sigma 22067	23186
	1/8" to 1/4" NPT	Siltek/Sulfinert-Treated	SS-200-1-4	ea.		22564
	1/8" to 1/4" NPT	Silcosteel-CR Treated	SS-200-1-4	ea.		22611
	1/8" to 1/8" NPT	Brass	B-200-1-2	10-pk.	Supelco/Millipore Sigma 22082	23133
	1/8" to 1/8" NPT	Stainless Steel	SS-200-1-2	2-pk.	Supelco/Millipore Sigma 22084-U	23183
	1/8" to 1/8" NPT	Siltek/Sulfinert-Treated	SS-200-1-2	ea.		22561



Swagelok Male Quick Coupling (Stainless Steel)

Description	Includes	Size	Material	Vendor cat.#	qty.	cat.#
Male Quick Coupling		1/4" male	Stainless Steel	SS-QC4-S-400	ea.	23195
	self-sealing shutoff valve	1/4" male	Stainless Steel	SS-QC4-D-400	ea.	23194
		1/8" male	Stainless Steel	SS-QC4-S-200	ea.	23192
	self-sealing shutoff valve	1/8" male	Stainless Steel	SS-QC4-D-200	ea.	23191



23192

Swagelok Nut (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Nut	1/16"	Brass	B-102-1	20-pk.	Supelco/Millipore Sigma 22021	23100
	1/16"	Stainless Steel	SS-102-1	5-pk.	Supelco/Millipore Sigma 22047	23150
	1/4"	Brass	B-402-1	40-pk.	Supelco/Millipore Sigma 22000-U	23102
	1/4"	Stainless Steel	SS-402-1	10-pk.	Supelco/Millipore Sigma 22026	23152
	1/8"	Brass	B-202-1	40-pk.	Supelco/Millipore Sigma 22011-U	23101
	1/8"	Stainless Steel	SS-202-1	10-pk.	Supelco/Millipore Sigma 22037	23151



23151

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 Nut & Ferrule Set (Brass & Stainless Steel)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Nut & Ferrule Set	1/16"	Brass	B-102-1 (nut) + B-100-SET (ferrule set)	10-pk.	Supelco/Millipore Sigma 22024	23109
	1/16"	Stainless Steel	SS-100-NFSET (nut and ferrule set)	2-pk.	Supelco/Millipore Sigma 22050	23159
	1/4"	Brass	B-400-NFSET (nut and ferrule set)	20-pk.	Supelco/Millipore Sigma 22003	23111
	1/4"	Stainless Steel	SS-400-NFSET (nut and ferrule set)	5-pk.	Supelco/Millipore Sigma 22029	23161
	1/8"	Brass	B-202-1 (nut) + B-200-SET (ferrule set)	20-pk.	Supelco/Millipore Sigma 22014	23110
	1/8"	Stainless Steel	SS-200-NFSET (nut and ferrule set)	5-pk.	Supelco/Millipore Sigma 22040-U	23160



23159

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 Plug (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Plug	1/16"	Brass	B-100-P	5-pk.	Parker 1BLP1-B; Supelco/Millipore Sigma 22136-U	23112
	1/16"	Stainless Steel	SS-100-P	2-pk.	Supelco/Millipore Sigma 22137-U	23162
	1/4"	Brass	B-400-P	10-pk.	Supelco/Millipore Sigma 22009	23114
	1/4"	Stainless Steel	SS-400-P	4-pk.	Supelco/Millipore Sigma 22035-U	23164
	1/4"	Siltek/Sulfinert-Treated	SS-400-P	ea.		22574
	1/8"	Brass	B-200-P	10-pk.	Supelco/Millipore Sigma 22019-U	23113
	1/8"	Stainless Steel	SS-200-P	4-pk.	Supelco/Millipore Sigma 22045-U	23163
	1/8"	Siltek/Sulfinert-Treated	SS-200-P	ea.		22573



**Swagelok Port Connector** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Port Connector	1/4"	Stainless Steel	SS-401-PC	2-pk.		23181
	1/4"	Siltek/Sulfinert-Treated	SS-401-PC	ea.		22558
	1/4"	Silcosteel-CR Treated	SS-401-PC	ea.		22593
	1/8"	Stainless Steel	SS-201-PC	2-pk.	Supelco/Millipore Sigma 22689	23180
	1/8"	Siltek/Sulfinert-Treated	SS-201-PC	ea.		22557
	1/8" to 1/4"	Brass	B-401-PC-2	5-pk.	Supelco/Millipore Sigma 22094-U	23132
	1/8" to 1/4"	Stainless Steel	SS-401-PC-2	2-pk.	Supelco/Millipore Sigma 22095-U	23182
	1/8" to 1/4"	Siltek/Sulfinert-Treated	SS-401-PC-2	ea.		22559

**Swagelok Reducing Union** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Reducing Union	1/4" to 1/16"	Brass	B-400-6-1	5-pk.	Parker 4RU1-B; Supelco/Millipore Sigma 22074	23119
	1/4" to 1/16"	Stainless Steel	SS-400-6-1	2-pk.	Supelco/Millipore Sigma 22075-U	23169
	1/4" to 1/16"	Siltek/Sulfinert-Treated	SS-400-6-1	ea.		22547
	1/4" to 1/16"	Silcosteel-CR Treated	SS-400-6-1	ea.		22582
	1/4" to 1/8"	Brass	B-400-6-2	5-pk.	Supelco/Millipore Sigma 22005	23120
	1/4" to 1/8"	Stainless Steel	SS-400-6-2	2-pk.	Supelco/Millipore Sigma 22031	23170
	1/4" to 1/8"	Siltek/Sulfinert-Treated	SS-400-6-2	ea.		22548
	1/4" to 1/8"	Silcosteel-CR Treated	SS-400-6-2	ea.		22583
	1/8" to 1/16"	Brass	B-200-6-1	5-pk.	Agilent 5180-4130; Parker 2RU1-B; Supelco/Millipore Sigma 22016	23118
	1/8" to 1/16"	Stainless Steel	SS-200-6-1	ea.	Supelco/Millipore Sigma 22042-U	23168
	1/8" to 1/16"	Siltek/Sulfinert-Treated	SS-200-6-1	ea.		22546
	1/8" to 1/16"	Silcosteel-CR Treated	SS-200-6-1	ea.		22581
	3/8" to 1/4"	Siltek/Sulfinert-Treated	SS-600-6-4	ea.		22911
	3/8" to 1/4"	Silcosteel-CR Treated	SS-600-6-4	ea.		22906

**Swagelok Tee** (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Tee	1/16"	Brass	B-100-3	2-pk.	Parker 1ET1-B; Supelco/Millipore Sigma 22132-U	23121
	1/16"	Stainless Steel	SS-100-3	ea.	Supelco/Millipore Sigma 22133-U	23171
	1/16"	Siltek/Sulfinert-Treated	SS-100-3	ea.	PerkinElmer NR410341	22543
	1/16"	Silcosteel-CR Treated	SS-100-3	ea.		22578
	1/4"	Brass	B-400-3	2-pk.	Supelco/Millipore Sigma 22010-U	23123
	1/4"	Stainless Steel	SS-400-3	ea.	Supelco/Millipore Sigma 22036	23173
	1/4"	Siltek/Sulfinert-Treated	SS-400-3	ea.		22545
	1/4"	Silcosteel-CR Treated	SS-400-3	ea.		22580
	1/8"	Brass	B-200-3	2-pk.	Supelco/Millipore Sigma 22020-U	23122
	1/8"	Stainless Steel	SS-200-3	ea.	Supelco/Millipore Sigma 22046	23172
	1/8"	Siltek/Sulfinert-Treated	SS-200-3	ea.		22544
	1/8"	Silcosteel-CR Treated	SS-200-3	ea.		22579
	3/8"	Siltek/Sulfinert-Treated	SS-600-3	ea.		22910
	3/8"	Silcosteel-CR Treated	SS-600-3	ea.		22905





Swagelok Union (Brass, Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Union	1/16"	Brass	B-100-6	3-pk.	Agilent 0100-1316; Parker 1SC1-B; Supelco/Millipore Sigma 22025	23115
	1/16"	Stainless Steel	SS-100-6	ea.	Supelco/Millipore Sigma 22051-U	23165
	1/16"	Siltek/Sulfinert-Treated	SS-100-6	ea.	PerkinElmer NR410342	22540
	1/16"	Silcosteel-CR Treated	SS-100-6	ea.		22575
	1/4"	Brass	B-400-6	5-pk.	Supelco/Millipore Sigma 22004	23117
	1/4"	Stainless Steel	SS-400-6	2-pk.	Supelco/Millipore Sigma 22030-U	23167
	1/4"	Siltek/Sulfinert-Treated	SS-400-6	ea.		22542
	1/4"	Silcosteel-CR Treated	SS-400-6	ea.		22577
	1/8"	Brass	B-200-6	5-pk.	Supelco/Millipore Sigma 22015	23116
	1/8"	Stainless Steel	SS-200-6	2-pk.	Supelco/Millipore Sigma 22041	23166
	1/8"	Siltek/Sulfinert-Treated	SS-200-6	ea.		22541
	1/8"	Silcosteel-CR Treated	SS-200-6	ea.		22576
	3/8"	Siltek/Sulfinert-Treated	SS-600-6	ea.		22909
	3/8"	Silcosteel-CR Treated	SS-600-6	ea.		22904



Valco Male Pipe to Valco Internal Adapter (Stainless Steel)

Description	Size	Union Bore	Material	Vendor cat.#	qty.	cat.#
Male Pipe to Valco Internal Adapter	1/4" NPT Male to 1/16" ZDV	1.0 mm	Stainless Steel	PZA41	ea.	20159
	1/8" NPT Male to 1/16" ZDV	1.0 mm	Stainless Steel	PZA21	ea.	20158



20158

Valco Zero Dead Volume Tee (Treated)

Description	Size	Union Bore	Material	Vendor cat.#	qty.	cat.#
Zero Dead Volume Tee	1/16"	0.75 mm	Siltek/Sulfinert-Treated	ZT1	ea.	22534
	1/8"	2.0 mm	Siltek/Sulfinert-Treated	ZT2L	ea.	22535



22534

Valco Zero Dead Volume Union (Treated)

Description	Size	Union Bore	Material	Vendor cat.#	qty.	cat.#
Zero Dead Volume Union	1/16"	0.75 mm	Siltek/Sulfinert-Treated	ZU1	ea.	22532
	1/8"	2.0 mm	Siltek/Sulfinert-Treated	ZU2L	ea.	22533



Parker Annual Maintenance Kits for Nitrogen Gas Generators

Description	Model #	Includes	Vendor cat.#	qty.	cat.#
Annual Maintenance Kit	for UHPN2-1100, 76-94, 76-96	1st, 2nd, and 3rd stage prefilters (1 ea.), and final filter (1)	MK7694	kit	21655
	for HPN2-1100, 76-92	1st and 2nd stage prefilters (1 ea.) and final filter (1)	MK7692	kit	21649



21655

Parker H2PEMPD Hydrogen Generators

Description	Model #	Capacity	Delivery Pressure	qty.	cat.#
Hydrogen Generator	H2PEMPD-510	510 cc/min	100 psig	ea.	22144
	H2PEMPD-510	510 cc/min	175 psig	ea.	22145
	H2PEMPD-650	650 cc/min	100 psig	ea.	22146
	H2PEMPD-650	650 cc/min	175 psig	ea.	22147
	H2PEMPD-850	850 cc/min	100 psig	ea.	22148
	H2PEMPD-850	850 cc/min	175 psig	ea.	22149
	H2PEMPD-1100	1100 cc/min	100 psig	ea.	22150
	H2PEMPD-1100	1100 cc/min	175 psig	ea.	22151
	H2PEMPD-1300	1300 cc/min	100 psig	ea.	22152
	H2PEMPD-1300	1300 cc/min	175 psig	ea.	22153



Parker HydroGen Mate DI Water System

Description	qty.	cat.#
HydroGen Mate DI Water System—Model 72-230	ea.	22000



22000



Parker Maintenance Kit for HydroGen Mate DI Water System

Description	Includes	Vendor cat.#	qty.	cat.#
Maintenance Kit for Model 72-230	prefilter (1); resin cartridges (2); and final filter (1)	72236	kit	22001



22001

Parker Maintenance Kits and Electrolyte Solution for H2PEMPD Hydrogen Generators

Description	Model #	Includes	Vendor cat.#	qty.	cat.#
6-Month Maintenance Kit for H2PEMPD Units		deionizer cartridge; 100 µm water filter; environmental filters (2); and filter replacement tool	MKH2PEMPD-6M	kit	22154
24-Month Maintenance Kit for H2PEMPD Units		deionizer cartridge; 100 µm water filter; environmental filters (2); filter replacement tool; tube clamp; water pump; and fan guard (2)	MKH-2PEMPD-24M	kit	22155
Electrolyte Solution for Hydrogen Generators, 250 mL	for Generator Models 75-32, 75-34, 75-36, H2PD-150, H2PD-300, H2PEMPD-510, H2PEMPD-650, H2PEMPD-850, H2PEMPD-1100, H2PEMPD-1300		920071	ea.	20678



22154

Parker Maintenance Kits and Replacement Catalyst Towers for Zero Air Generators

Description	Model #	Capacity	Includes	Vendor cat.#	qty.	cat.#
Annual Maintenance Kit	for 75-83NA		prefilter (1) and sintered metal final filter (1)	MK7583	kit	21646
Generator Maintenance Kit	for HPZA-3500, HPZA-7000, HPZA-18000, HPZA-30000, and 75-80 (Zero Air); N2-04 (Nitrogen); and TOC-1250 (TOC)		1st and 2nd stage prefilters (1 ea.), and final filter (1)	MK7840	kit	21647
Replacement Catalyst Tower	for 75-83NA	1000 cc/min		75394	ea.	22005
	for HPZA-3500 and TOC-1250	3500 cc/min		76810	ea.	22004
	for HPZA-7000	7000 cc/min		76820	ea.	22006
	for HPZA-18000	18,000 cc/min		76811	ea.	22007
	for HPZA-30000	30,000 cc/min		76821	ea.	22008



Parker Maintenance Kits for Nitrogen Gas Generators for LC-MS

Description	Model #	Includes	Vendor cat.#	qty.	cat.#
Maintenance Kit	for NitroFlow Lab	carbon filter	159.003754	kit	22156
12-Month Maintenance Kit	for N2-14, N2-14A, N2-22, N2-35, 75-72, 75-720NA	1st stage prefilter (2); 2nd stage prefilter (2); and final filter (2 ea.)	MK7572	kit	21648
12-Month Maintenance Kit With Carbon Filter	for N2-14, N2-14A, N2-22, N2-35, 75-72, 75-720NA	1st stage prefilter (2); 2nd stage prefilter (2); hydrocarbon scrubber (2); and final filter (2 ea.)	MK7572C	kit	22135

The manufacturer recommends maintenance for this unit every 6 months.

Parker Model FID-1000 and FID-2500 Gas Stations

Description	Model #	Certification/Compliance	qty.	cat.#
Gas Station	Model FID-1000 (ideal for 1-2 FIDs)	CE	ea.	20177
	Model FID-2500 (ideal for 5-6 FIDs)	CE	ea.	24913

*Zero air inlet requires minimum of 40 psig (276 kPa) compressed air pressure.



20177

Parker Nitrogen Gas Generators

Description	Model #	Certification/Compliance	qty.	cat.#
Nitrogen Generator	UHPN2-1100 (ultra-high purity zero grade)	CE	ea.	20697



20697

Parker PEM Hydrogen Generators

Description	Model #	Capacity	Certification/Compliance	qty.	cat.#
Hydrogen Generator	H2PEM-100	100 cc/min	CE, CSA, UL, cUL	ea.	23065
	H2PEM-165	165 cc/min	CE, CSA, UL, cUL	ea.	23066
	H2PEM-260	260 cc/min	CE, CSA, UL, cUL	ea.	23067
	H2PEM-510	510 cc/min	CE, CSA, UL, cUL	ea.	23068



Parker Replacement and Maintenance Components for FID-1000 and FID-2500 Gas Stations

Description	Includes	Vendor cat.#	qty.	cat.#
Resin Bed Cartridge for Hydrogen Generators in FID-1000 and FID-2500 Gas Stations		B02-0323	ea.	24914



24915

Continued



Description	Includes	Vendor cat.#	qty.	cat.#
Replacement Desiccant Cartridge		1647727	ea.	21671
FID Gas Station Annual Maintenance Kit	1 desiccant cartridge, 1 resin cartridge, 1 prefilter*, and 1 sintered metal final filter*	MKFID1000	ea.	24915

* Filters should be changed every year; resin and desiccant cartridges can be replaced every 2 years.

Parker Replacement and Maintenance Components for Hydrogen Generators

Description	Includes	Vendor cat.#	qty.	Similar to Part #	cat.#
Replacement Desiccant Cartridge for H2PEM Generators		MKH2PEM-D	ea.	Parker Dornick Hunter 604970412	23069
6-Month Maintenance Kit for H2PEM Generators	deionizer cartridge (1), water filter (1), environmental filters (3)	MKH2PEM-6M	kit	Parker Dornick Hunter 604970600	23070
24-Month Maintenance Kit for H2PEM Generators	deionizer cartridge (1), water filter (1), environmental filters (3), water level sensor (1), water pump (1), and desiccant cartridge (1)	MKH2PEM-24M	kit	Parker Dornick Hunter 604970532	23071



Parker Zero Air Generators

Description	Model #	Capacity	Certification/Compliance	qty.	cat.#
Zero Air Generator	75-83NA	1000 cc/min	CE	ea.	20684
	HPZA-3500	3500 cc/min	CE	ea.	20680
	HPZA-7000	7000 cc/min	CE	ea.	20681
	HPZA-18000	18,000 cc/min	CE	ea.	20682
	HPZA-30000	30,000 cc/min	CE	ea.	20683

*Parker Model 75-83NA (Restek cat.# 20684) is a wall-mount model.



Accessories for In-Line Super Clean Gas Traps and Connectors

Description	qty.	cat.#
Wall-Mounting Clamps for Click-On In-line Super Clean Gas Traps	4-pk.	22480
Replacement O-Rings for Click-On In-line Super Clean Connectors (includes 10 large and 10 small)	20-pk.	22481



Capillary-Grade Hydrocarbon Trap

Description	Fittings	Dimensions	qty.	cat.#
Capillary-Grade Hydrocarbon Trap	1/8" Nickel-Plated Brass	11" x 1 1/2" (27.9 x 3.8 cm)	ea.	21991
	1/4" Nickel-Plated Brass	11" x 1 1/2" (27.9 x 3.8 cm)	ea.	21992



21991

Carbon Dioxide Trap

Description	Fittings	Dimensions	qty.	cat.#
Carbon Dioxide Trap	1/8" Brass	13" x 1.5" (33 x 3.8 cm)	ea.	23816
	1/4" Brass	13" x 1.5" (33 x 3.8 cm)	ea.	23817
	1/8" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23818
	1/4" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23819



Carbon Refill for Refillable Hydrocarbon Trap

Description	qty.	cat.#
Carbon Refill (can refill two traps or the same trap twice)	pint	20626



20626

Click-On In-Line Super Clean Big Trap Filter Kits

Description	Includes	Fittings	qty.	cat.#
Hydrocarbon Kit	1/4" SS connectors (2); hydrocarbon trap (1); and wall-mounting clamps (2)	1/4" Stainless Steel	kit	27203
	1/8" SS connectors (2); oxygen/moisture/hydrocarbon helium-specific trap (1); and wall-mounting clamps (2)	1/8" Stainless Steel	kit	27202
Triple Helium Kit	1/4" SS connectors (2); oxygen/moisture/hydrocarbon helium-specific trap (1); and wall-mounting clamps (2)	1/4" Stainless Steel	kit	27201



27203

**Click-On In-Line Super Clean Big Trap Replacement Filters**

Description	Type	qty.	cat.#
Click-On In-Line Super Clean Big Trap Replacement Trap	Hydrocarbon Trap	ea.	27206
	Triple Standard Trap	ea.	27205
	Triple Helium Trap	ea.	27204

27205

**Click-On In-Line Super Clean Big Trap Wall-Mounting Clamp Set**

Description	qty.	cat.#
Click-On In-Line Super Clean Big Trap Wall-Mounting Clamp Set	2-pk.	27207

27207

**Click-On In-Line Super Clean Connectors**

Description	Fittings	qty.	cat.#
Click-On In-line Super Clean Connectors	1/8" Brass	2-pk.	22475
	1/4" Brass	2-pk.	22477
	1/8" Stainless Steel	2-pk.	22476
	1/4" Stainless Steel	2-pk.	22478

**Click-On In-Line Super Clean Double Connector**

Description	qty.	cat.#
Click-On In-line Super Clean Double Connector, Stainless Steel	ea.	22479

22479

**Click-On In-Line Super Clean Indicator**

Description	qty.	cat.#
Click-On In-line Super Clean Indicator (oxygen, moisture)	ea.	22474

Note: Fittings sold separately.

22474

**Click-On In-Line Super Clean Replacement Gas Traps**

Description	Type	qty.	cat.#
Click-On Super Clean Replacement Trap	Fuel Gas Trap (removes moisture and hydrocarbons)	ea.	22465
	Triple Trap (removes oxygen, moisture, and hydrocarbons)	ea.	22464

22464

**Click-On In-line Super Clean Ultra-High Capacity Hydrocarbon Trap**

Description	qty.	cat.#
Ultra-High Capacity Hydrocarbon Trap	ea.	22466

22466

**Click-On In-line Super Clean Ultra-High Capacity Moisture Trap**

Description	qty.	cat.#
Ultra-High Capacity Moisture Trap	ea.	22467

22467

**Click-On In-line Super Clean Ultra-High Capacity Oxygen Trap**

Description	qty.	cat.#
Ultra-High Capacity Oxygen Trap	ea.	22468

22468

**ECD Vent Trap**

Description	Fittings	Dimensions	qty.	cat.#
ECD Vent Trap	1/8"	6" x 1" (15.2 x 2.5 cm)	ea.	22017

22017

**Electronic Maintenance Indicators for Gas Filters**

Description	Includes	qty.	cat.#
Electronic Indicator for Standard Super Clean Gas Filters	Battery, USB cable, and mounting clip	ea.	22645
Electronic Indicator for Click-On In-Line Super Clean Gas Filters	Battery, USB cable, and mounting clip	ea.	22646
Electronic Indicator for Click-On In-Line Super Clean Big Trap Gas Filters	Battery, USB cable, and mounting clip	ea.	22647

22645





Gas Pressure Gauge Kit

Description	qty.	cat.#
In-line Gas Pressure Gauge Kit for Thermal Gas Purifiers	kit	21657



21657

Helium-Specific Replacement Triple Trap

Description	qty.	cat.#
Helium-Specific Replacement Triple Trap (removes oxygen, moisture and hydrocarbons)	ea.	22473



22473

High-Capacity Moisture Trap

Description	Fittings	Dimensions	qty.	Similar to Part #	cat.#
High-Capacity Moisture Trap	1/8" Nickel-Plated Brass	11" x 1 1/2" (27.9 x 3.8 cm)	ea.		21997
	1/4" Nickel-Plated Brass	11" x 1 1/2" (27.9 x 3.8 cm)	ea.	Agilent MT200-4	20638



21997

High-Capacity Oxygen Trap

Description	Fittings	Dimensions	qty.	cat.#
High-Capacity Oxygen Trap	1/8" Nickel-Plated Brass	11" x 1 1/2" (27.9 x 3.8 cm)	ea.	20601
	1/4" Nickel-Plated Brass	11" x 1 1/2" (27.9 x 3.8 cm)	ea.	20600



20600

High-Capacity Split Vent Trap

Description	Fittings	Dimensions	qty.	Similar to Part #	cat.#
High-Capacity Split Vent Trap	1/8"	6" x 1" (15.2 x 2.5 cm)	ea.	Agilent 5181-8802	20698
	1/8"	6" x 1" (15.2 x 2.5 cm)	5-pk.	Agilent 5181-8802	20699



20698

Hydrocarbon S-Trap

Description	Fittings	Dimensions	qty.	cat.#
Hydrocarbon S-Trap	1/8" Brass	6 3/4" x 5 5/8" (17.1 x 14.3 cm)	ea.	22016



22016

Indicating Carrier Gas Purifier

Description	Fittings	Dimensions	qty.	cat.#
Indicating Carrier Gas Purifier	1/8" Brass	13" x 1.5" (33 x 3.8 cm)	ea.	23809
	1/4" Brass	13" x 1.5" (33 x 3.8 cm)	ea.	23808
	1/8" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23811
	1/4" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23810



Indicating Detector Gas Purifier

Description	Fittings	Dimensions	qty.	cat.#
Indicating Detector Gas Purifier	1/8" Brass	13" x 1.5" (33 x 3.8 cm)	ea.	23813
	1/4" Brass	13" x 1.5" (33 x 3.8 cm)	ea.	23812
	1/8" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23815
	1/4" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23814



Indicating Moisture Trap

Description	Fittings	Dimensions	qty.	cat.#
Indicating Moisture Trap	1/8" Brass	13" x 2" (33 x 5.1 cm)	ea.	22014
	1/4" Brass	13" x 2" (33 x 5.1 cm)	ea.	22015
	1/8" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23806
	1/4" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	23807



Indicating Oxygen Trap

Description	Fittings	Dimensions	qty.	Similar to Part #	cat.#
Indicating Oxygen Trap	1/8" Brass	10" x 1 1/4" (25.4 x 3.2 cm)	ea.		22010
	1/4" Brass	10" x 1 1/4" (25.4 x 3.2 cm)	ea.		22011
	1/8" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	Agilent 5182-9202	23804
	1/4" Stainless Steel	13" x 1.5" (33 x 3.8 cm)	ea.	Agilent 5182-9402	23805





Molecular Sieve S-Trap

Description	Fittings	Dimensions	qty.	Similar to Part #	cat.#
Molecular Sieve S-Trap	1/8" Brass	6 3/4" x 5 5/8" (17.1 x 14.3 cm)	ea.	Agilent 5060-9077, 5060-9084	20686

This trap can be regenerated by heating to 300 °C for three hours using a 50-70 mL flow of dry nitrogen.



20686

Parker Tube End Reducer (Stainless Steel & Treated)

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Tube End Reducer	1/4" to 1/16"	Stainless Steel	4TUR1-316	2-pk.	Swagelok 100-R-4	21932
	1/4" to 1/16"	Siltek/Sulfinert-Treated	4TUR1-316	ea.		21545
	1/4" to 1/8"	Stainless Steel	4TUR2-316	2-pk.	Swagelok 200-R-4	21934
	1/4" to 1/8"	Siltek/Sulfinert-Treated	4TUR2-316	ea.		21547
	1/8" to 1/16"	Siltek/Sulfinert-Treated	2TUR1-316	ea.		21544
	1/8" to 1/16"	Silcosteel-CR Treated	2TUR1-316	ea.		22880
	1/8" to 1/4"	Stainless Steel	2TUR4-316	2-pk.	Swagelok 400-R-2	21933
	1/8" to 1/4"	Siltek/Sulfinert-Treated	2TUR4-316	ea.		21546



Refillable Hydrocarbon Trap

Description	Fittings	Dimensions	qty.	cat.#
Refillable Hydrocarbon Trap	1/8" Nickel-Plated Brass	9 1/4" x 2 1/4" (23.5 x 5.7 cm)	ea.	22012
	1/4" Nickel-Plated Brass	9 1/4" x 2 1/4" (23.5 x 5.7 cm)	ea.	22013



22012

Replacement Battery for Electronic Maintenance Indicators for Gas Filters

Description	qty.	cat.#
Replacement Battery for Electronic Maintenance Indicators, Lithium Coin, 3 V Cell	ea.	22648

Note: Due to international shipping restrictions, the replacement battery can only be shipped via ground in the contiguous U. S.

For customers in all other markets, the replacement battery will need to be obtained locally, or the device must be powered using the supplied USB cable.



22648

Replacement Gas Filters for Restek Super Clean Gas Filter Kits

Description	Used with	qty.	Similar to Part #	cat.#
Replacement CO ₂ , Sulfur, Moisture Filter	Ideal for TOC analyzers and zero air generators.	ea.		23843
Replacement Fuel Gas Filter (removes moisture and hydrocarbons)		ea.	Agilent 5183-4771	22022
Replacement Helium-Specific Gas Filter (removes oxygen, moisture, and hydrocarbons)		ea.	Agilent 5188-6474, CP17973	21982
Replacement Triple Gas Filter (removes oxygen, moisture, and hydrocarbons)		ea.	Agilent 5182-9705, CP17973	22020



Replacement Hydrocarbon (Charcoal) Filters for Restek Super Clean Gas Trapping System for LC-MS

Description	qty.	cat.#
Replacement Hydrocarbon (Charcoal) Filters	2-pk.	22061



22061

Replacement O-Rings for Cartridge Baseplates

Description	qty.	Similar to Part #	cat.#
Replacement O-Rings for Cartridge Baseplates	20-pk.	Agilent 5182-3423, CP7983	22023



22023

Replacement O-Rings for High-Capacity Indicating Oxygen Trap

Description	qty.	cat.#
Replacement O-Rings (5 small O-rings and 5 large O-rings)	kit	22081



22081

Restek Click-On In-Line Super Clean Gas Traps and Connector Kits

Description	Includes	Fittings	qty.	cat.#
Carrier Gas Purification Kit	1/8" SS connectors (2) and oxygen/moisture/hydrocarbon triple trap (1)	1/8" Stainless Steel	kit	22456
	1/8" brass connectors (2) and oxygen/moisture/hydrocarbon triple trap (1)	1/8" Brass	kit	22457
	1/4" SS connectors (2) and oxygen/moisture/hydrocarbon triple trap (1)	1/4" Stainless Steel	kit	22458
	1/4" brass connectors (2) and oxygen/moisture/hydrocarbon triple trap (1)	1/4" Brass	kit	22459



Continued



Description	Includes	Fittings	qty.	cat.#
Fuel Gas Purification Kit	1/8" SS connectors (4) and hydrocarbon/moisture traps (2)	1/8" Stainless Steel	kit	22460
	1/8" brass connectors (4) and hydrocarbon/moisture traps (2)	1/8" Brass	kit	22461
	1/4" SS connectors (4) and hydrocarbon/moisture traps (2)	1/4" Stainless Steel	kit	22462
	1/4" brass connectors (4) and hydrocarbon/moisture traps (2)	1/4" Brass	kit	22463
Helium-Specific Carrier Gas Cleaning Kit	1/8" SS connectors (2) and oxygen/moisture/hydrocarbon helium-specific triple trap (1)	1/8" Stainless Steel	kit	22469
	1/8" brass connectors (2) and oxygen/moisture/hydrocarbon helium-specific triple trap (1)	1/8" Brass	kit	22470
	1/4" SS connectors (2) and oxygen/moisture/hydrocarbon helium-specific triple trap (1)	1/4" Stainless Steel	kit	22471
	1/4" brass connectors (2) and oxygen/moisture/hydrocarbon helium-specific triple trap (1)	1/4" Brass	kit	22472

Restek Filter Baseplates

Description	Material	Dimensions	Type	qty.	Similar to Part #	cat.#
Filter Baseplate	Brass	4" x 4" x 1 7/8" (10.2 x 10.2 x 4.8 cm)	Single-Position	ea.	Agilent CP7988	22025
	Stainless Steel	4" x 4" x 1 7/8" (10.2 x 10.2 x 4.8 cm)	Single-Position	ea.	Agilent 5182-0815	22344
	Brass	8" x 4" x 1 7/8" (20.3 x 10.2 x 4.8 cm)	2-Position	ea.	Agilent CP738407	22026
	Stainless Steel	8" x 4" x 1 7/8" (20.3 x 10.2 x 4.8 cm)	2-Position	ea.	Agilent 5182-9706	22345
	Brass	12" x 4" x 1 7/8" (30.5 x 10.2 x 4.8 cm)	3-Position	ea.		22027
	Stainless Steel	12" x 4" x 1 7/8" (30.5 x 10.2 x 4.8 cm)	3-Position	ea.	Agilent 5182-9707	22346



Restek Gas Management System

Description	qty.	cat.#
Restek Gas Management System (includes fittings for 1/8" and 1/4" gas line)	kit	21999



Restek Super Clean Gas Filter Kits

Description	Includes	Fittings	Used with	qty.	Similar to Part #	cat.#
Carrier Gas Cleaning Kit	Mounting Baseplate; 1/8" Inlet/Outlet Fittings; and Oxygen/Moisture/Hydrocarbon Triple Gas Filter	1/8" Brass		kit	Agilent 5182-9704	22019
Fuel Gas Purification Kit	Mounting Baseplate, 1/8" Inlet/Outlet Fittings, and Hydrocarbon/Moisture Fuel Gas Filter	1/8" Brass		kit		22021
Gas Filter Bundle Kit	Triple Gas Filter (1), (cat.# 22020); and Fuel Gas Filters (2), (cat.# 22022)			kit	Agilent 5183-4769	22031
Helium-Specific Carrier Gas Cleaning Kit	Mounting Baseplate; 1/8" Inlet/Outlet Fittings; and Oxygen/Moisture/Hydrocarbon Helium-Specific Filter	1/8" Brass		kit	Agilent 5188-6475	21983
Super Clean Combi (CO ₂ , Sulfur, Moisture) Filter Kit	Replacement CO ₂ , Sulfur, Moisture Filter, Baseplate with 1/4" Brass Fittings	1/4" Brass	Ideal for TOC analyzers and zero air generators.	kit		23844
	Replacement CO ₂ , Sulfur, Moisture Filter, Baseplate with 1/8" Brass Fittings	1/8" Brass	Ideal for TOC analyzers and zero air generators.	kit		23845
	Replacement CO ₂ , Sulfur, Moisture Filter, Baseplate with 1/4" Stainless Steel Fittings	1/4" Stainless Steel	Ideal for TOC analyzers and zero air generators.	kit		23846
	Replacement CO ₂ , Sulfur, Moisture Filter, Baseplate with 1/8" Stainless Steel Fittings	1/8" Stainless Steel	Ideal for TOC analyzers and zero air generators.	kit		23847



Restek Super Clean Ultra-High Capacity Hydrocarbon Filter

Description	qty.	Similar to Part #	cat.#
Ultra-High Capacity Hydrocarbon Filter	ea.	Agilent 5182-0820, CP17972; Scion/Bruker/Varian BRS0103	22030



Restek Super Clean Ultra-High Capacity Moisture Filter

Description	qty.	Similar to Part #	cat.#
Ultra-High Capacity Moisture Filter	ea.	Agilent 5182-0817, CP17971; Scion/Bruker/Varian BRS0101	22028



Restek Super Clean Ultra-High Capacity Oxygen Filter

Description	qty.	Similar to Part #	cat.#
Ultra-High Capacity Oxygen Filter	ea.	Agilent 5182-0818, CP17970; Scion/Bruker/Varian BRS0102	22029



22029



VICI Mat/Sen Gas-Specific Purifier Modules

Description	Fittings	Max Pressure	qty.	cat.#
Helium Purifier Module	Compression Tube Fittings 1/4"	1000 psi, 6895 kPa	ea.	22600
	Compression Tube Fittings 1/8"	1000 psi, 6895 kPa	ea.	22601
Hydrogen Purifier Module	Compression Tube Fittings 1/4"	1000 psi, 6895 kPa	ea.	22602
	Compression Tube Fittings 1/8"	1000 psi, 6895 kPa	ea.	22603
Nitrogen Purifier Module*	Compression Tube Fittings 1/4"	1000 psi, 6895 kPa	ea.	22604
	Compression Tube Fittings 1/8"	1000 psi, 6895 kPa	ea.	22605
Air Purifier Module	Compression Tube Fittings 1/4"	1000 psi, 6895 kPa	ea.	22606
	Compression Tube Fittings 1/8"	1000 psi, 6895 kPa	ea.	22607

*Warning: Do not use with nitrogen containing more than 500 ppm of oxygen. If the oxygen level in the stream exceeds 500 ppm, use an additional air purifier.



Wall Mounting Bracket

Description	qty.	Similar to Part #	cat.#
Wall Mounting Bracket for Super Clean Baseplates	ea.	Agilent 5182-0821	21984



EZ Twist Top Split/Splitless Injection Port for Agilent 5890 GCs

Description	Instrument	Material	Includes	qty.	cat.#
Injection Port Assembly Kit	for Agilent 5890 GCs	Stainless Steel	split/splitless weldment; shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22725
	for Agilent 5890 GCs	Siltek-Treated	Siltek split/splitless weldment; Siltek shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22726

21984

22725

EZ Twist Top Split/Splitless Injection Port for Agilent 6850/6890/7820 GCs with Pencil Traps

Description	Instrument	Material	Includes	qty.	cat.#
Injection Port Assembly Kit	for Agilent 6850/6890/7820 GCs with Pencil Traps	Stainless Steel	split/splitless weldment; shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22721
	for Agilent 6850/6890/7820 GCs with Pencil Traps	Siltek-Treated	Siltek split/splitless weldment; Siltek shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22722

22721

EZ Twist Top Split/Splitless Injection Port for Agilent 6850/6890/7820 GCs with Large Canister-Type Filter

Description	Instrument	Material	Includes	qty.	cat.#
Injection Port Assembly Kit	for Agilent 6850/6890/7820 GCs (for use with large canister type filter)	Stainless Steel	split/splitless weldment; shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22735
	for Agilent 6850/6890/7820 GCs (for use with large canister type filter)	Siltek-Treated	Siltek split/splitless weldment; Siltek shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22736

22736

EZ Twist Top Split/Splitless Injection Port for Agilent 7890 GCs

Description	Instrument	Material	Includes	qty.	cat.#
Injection Port Assembly Kit	for Agilent 7890 GCs	Stainless Steel	Weldment; shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22177
	for Agilent 7890 GCs	Siltek-Treated	Siltek weldment; Siltek shell weldment; weldment O-rings (2); Siltek dual Vespel ring inlet seal; septum nut; reducing nut; stainless steel capillary nut for use with 1/16" ferrules; and weldment removal tool	kit	22178

22177

Split/Splitless Injection Port (Direct Replacement or Siltek Treated) for Agilent 5890 and Agilent 6850/6890/7820 GCs

Description	Instrument	Material	Used with	qty.	Similar to Part #	cat.#
Replacement Shell Weldment	for Agilent 5890 GCs			ea.	Agilent 19251-80570	20266
	for Agilent 5890 GCs	Siltek-Treated		ea.	Agilent 19251-80570	20268
	for Agilent 6850/6890/7820 GCs			ea.	Agilent G1544-80570	22673
	for Agilent 6850/6890/7820 GCs	Siltek-Treated		ea.	Agilent G1544-80570	22671



Continued



Description	Instrument	Material	Used with	qty.	Similar to Part #	cat.#
Replacement Weldment with EPC	for Agilent 5890 or Agilent 6850/6890/7820 GCs with EPC	Siltek-Treated		ea.	Agilent G1544-60575	22672
	for Agilent 5890 or Agilent 6850/6890/7820 GCs with EPC			ea.	Agilent G1544-60575	22674
Replacement Weldment	for Agilent 5890 GCs	Siltek-Treated	For use with manual flow or EPC on Agilent 5890 GCs. For use with manual flow only on Agilent 6850/6890 GCs.	ea.	Agilent 19251-60575	20265
	for Agilent 5890 GCs		For use with manual flow or EPC on Agilent 5890 GCs. For use with manual flow only on Agilent 6850/6890 GCs.	ea.	Agilent 19251-60575	20267
Split/Splitless Weldment (for use with large canister-type filter)	for Agilent 6850/6890/7820 GCs	Siltek-Treated		ea.	Agilent G1544-60585	22686
	for Agilent 6850/6890/7820 GCs			ea.	Agilent G1544-60585	22670

Weldment O-Rings for EZ Twist Top Split/Splitless Injection Ports for Agilent GCs

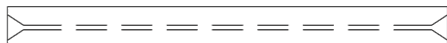
Description	Instrument	qty.	cat.#
Weldment O-rings	for Agilent GCs	10-pk.	22729
High-Temperature Weldment O-Rings	for Agilent GCs	10-pk.	23405

**Weldment Removal Tool for EZ Twist Top Split/Splitless Injection Ports for Agilent GCs**

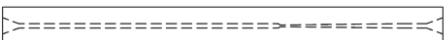
Description	Instrument	qty.	cat.#
Weldment Removal Tool	for Agilent 5890/6850/6890/7890 GCs	ea.	22728

**Weldments for EZ Twist Top Split/Splitless Injection Ports for Agilent GCs**

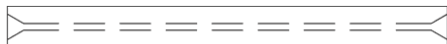
Description	Instrument	Material	Includes	qty.	cat.#
Weldment	for Agilent 5890/6850/6890/7820/7890 GCs	Stainless Steel	(2 weldment O-rings are installed on the weldment)	ea.	22724
	for Agilent 5890/6850/6890/7820/7890 GCs	Siltek-Treated	(2 weldment O-rings are installed on the weldment)	ea.	22732
Shell Weldment	for Agilent 5890 GCs	Stainless Steel		ea.	22727
	for Agilent 5890 GCs	Siltek-Treated		ea.	22731
	for Agilent 6850/6890/7820 GCs	Stainless Steel		ea.	22723
	for Agilent 6850/6890/7820 GCs	Siltek-Treated		ea.	22730
Optional Split/Splitless Shell Weldment	for Agilent 6850/6890/7820 GCs (for use with large canister type filter)	Stainless Steel		ea.	22733
	for Agilent 6850/6890/7820 GCs (for use with large canister type filter)	Siltek-Treated		ea.	22734
Shell Weldment	for Agilent 7890 GCs	Stainless Steel		ea.	22175
	for Agilent 7890 GCs	Siltek-Treated		ea.	22176

**0.5 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with 1078/1079 inlets**

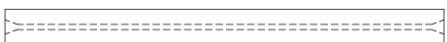
ID x OD x Length	qty	cat.#
Straight, Siltek Deactivation, Borosilicate Glass		
0.5 mm x 5.0 mm x 54 mm	5-pk.	20993-214
Straight, Standard Deactivation, Borosilicate Glass		
0.5 mm x 5.0 mm x 54 mm	5-pk.	20993

0.53 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with SPI inlets

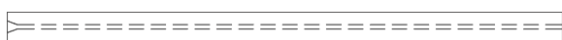
ID x OD x Length	qty	Similar to Part #	cat.#
0.53 mm x 4.6 mm x 54 mm	5-pk.	Scion/Bruker/Varian 190010906	20776

**0.75 mm ID Straight Inlet Liner** for Bruker/Varian GCs equipped with 1078/1079 inlets

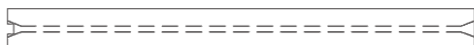
ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
0.75 mm x 5.0 mm x 54 mm	5-pk.		21715-214
Straight, Standard Deactivation, Borosilicate Glass			
0.75 mm x 5.0 mm x 54 mm	5-pk.	Scion/Bruker/Varian 392611948	21715

0.75 mm ID Straight/SPME Inlet Liner for Agilent GCs equipped with split/splitless inlets

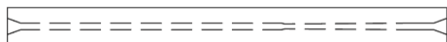
ID x OD x Length	qty	cat.#
Straight/SPME, Base Deactivation, Borosilicate Glass		
0.75 mm x 6.35 mm x 78.5 mm	5-pk.	21111-210
Straight/SPME, Siltek Deactivation, Borosilicate Glass		
0.75 mm x 6.35 mm x 78.5 mm	5-pk.	21111-214
Straight/SPME, Standard Deactivation, Borosilicate Glass		
0.75 mm x 6.35 mm x 78.5 mm	5-pk.	21111

0.75 mm ID Straight/SPME Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

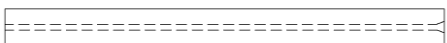
ID x OD x Length	qty	cat.#
0.75 mm x 5.0 mm x 95 mm	5-pk.	22279

0.75 mm ID Straight/SPME Inlet Liner for Bruker/Varian GCs equipped with 1075/1077 inlets

ID x OD x Length	qty	cat.#
0.75 mm x 6.3 mm x 74 mm	5-pk.	21113

0.80 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with SPI inlets

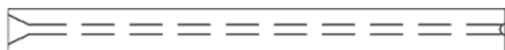
ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
0.80 mm x 4.6 mm x 54 mm	5-pk.		20779-214
Straight, Standard Deactivation, Borosilicate Glass			
0.80 mm x 4.6 mm x 54 mm	5-pk.	Agilent 8004-0167; Scion/Bruker/Varian 190010907	20779

1.0 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

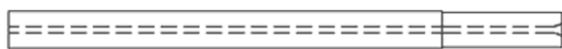
ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass			
1.0 mm x 6.3 mm x 78.5 mm	5-pk.		20973-210
Straight, Siltek Deactivation, Borosilicate Glass			
1.0 mm x 6.3 mm x 78.5 mm	5-pk.		20973-214
Straight, Standard Deactivation, Borosilicate Glass			
1.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent 18740-80200 (ea.), 5183-4709 (5-pk.)	20973

**1.0 mm ID Straight Inlet Liner** for PerkinElmer GCs equipped with PSS Inlet

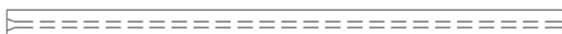
ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
1.0 mm x 4.0 mm x 86.2 mm	5-pk.		20741-214
Straight, Standard Deactivation, Borosilicate Glass			
1.0 mm x 4.0 mm x 86.2 mm	5-pk.	PerkinElmer N6121006	20741

1.0 mm ID Straight Inlet Liner for ATAS OPTIC 2 and 3 inlets

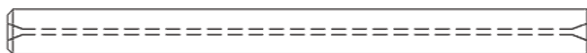
ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 5.0 mm x 80 mm	5-pk.	ATAS A100049	22418

1.0 mm ID Straight Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502006	21273

1.0 mm ID Straight Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

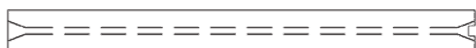
ID x OD x Length	qty	cat.#
1.0 mm x 5.0 mm x 95 mm	5-pk.	20977

1.0 mm ID Straight Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
1.0 mm x 8.0 mm x 105 mm	5-pk.		20917-214
Straight, Standard Deactivation, Borosilicate Glass			
1.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20075	20917

1.0 mm ID Straight Inlet Liner for Thermo TRACE GCs equipped with PTV inlets

ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 45322046	21081

1.0 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with 1075/1077 inlets

ID x OD x Length	qty	cat.#
1.0 mm x 6.3 mm x 72 mm	5-pk.	20971

**1.0 mm ID Uniliner Inlet Liner** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Uniliner, Siltek Deactivation, Borosilicate Glass		
1.0 mm x 6.3 mm x 78.5 mm	5-pk.	21053-214
Uniliner, Standard Deactivation, Borosilicate Glass		
1.0 mm x 6.3 mm x 78.5 mm	5-pk.	21053

1.0 mm ID Zero Dilution Inner Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 2.0 mm x 73 mm	5-pk.	PerkinElmer N1011446	22991

1.5 mm ID Baffled Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets

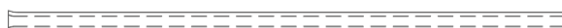
ID x OD x Length	qty	Similar to Part #	cat.#
Baffled, Siltek Deactivation, Borosilicate Glass			
1.5 mm x 3.0 mm x 71 mm	10-pk.	Gerstel 014652-005-00	21704-214
Baffled, Standard Deactivation, Borosilicate Glass			
1.5 mm x 3.0 mm x 71 mm	10-pk.	Agilent 5183-2037; Gerstel 011711-010-00	21704

1.6 mm ID Straight Inlet Liner w/ Wool for Shimadzu 17A GCs equipped with PTV inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
1.6 mm x 4.0 mm x 95 mm	Deactivated Wool	5-pk.	Shimadzu 225-09212-01	21706

1.7 mm ID On-Column Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets

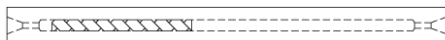
ID x OD x Length	qty	cat.#
1.7 mm x 3.0 mm x 71 mm	5-pk.	24977

1.7 mm ID Straight Inlet Liner for Agilent 1/4" Packed Injection Ports

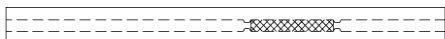
ID x OD x Length	qty	cat.#
Straight, Base Deactivation, Borosilicate Glass		
1.7 mm x 3.0 mm x 93 mm	5-pk.	20967-210
Straight, Siltek Deactivation, Borosilicate Glass		
1.7 mm x 3.0 mm x 93 mm	5-pk.	20967-214

2.0 mm ID Baffled Inlet Liner for Thermo TRACE GCs equipped with PTV inlets

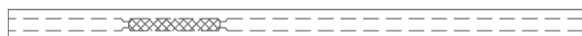
ID x OD x Length	qty	Similar to Part #	cat.#
Baffled, Siltek Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 453T2120	22075-214
Baffled, Standard Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	5-pk.		22075

**2.0 mm ID Cyclo Double Taper Inlet Liner** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Cyclo Double Taper, Base Deactivation, Borosilicate Glass		
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	20908-210
Cyclo Double Taper, Siltek Deactivation, Borosilicate Glass		
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	20908-214
Cyclo Double Taper, Standard Deactivation, Borosilicate Glass		
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	20908

2.0 mm ID Precision Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

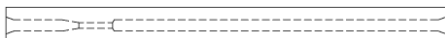
ID x OD x Length	Packing	qty	cat.#
Precision, Base Deactivation, Borosilicate Glass			
2.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.	20824-211
Precision, Standard Deactivation, Borosilicate Glass			
2.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	20824

2.0 mm ID Precision Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

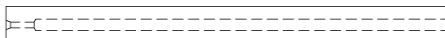
ID x OD x Length	Packing	qty	cat.#
2.0 mm x 5.0 mm x 95 mm	Deactivated Wool	5-pk.	22172

2.0 mm ID Precision Low Pressure Drop Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	Packing	qty	cat.#
2.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	22422

2.0 mm ID Recessed Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

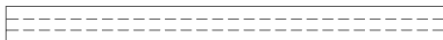
ID x OD x Length	qty	cat.#
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	20981

2.0 mm ID Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

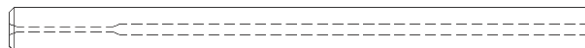
ID x OD x Length	qty	cat.#
Single Taper, Siltek Deactivation, Borosilicate Glass		
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	20796-214
Single Taper, Standard Deactivation, Borosilicate Glass		
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	20796

2.0 mm ID Single Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
2.0 mm x 5.0 mm x 95 mm	5-pk.	22277

**2.0 mm ID Straight Inlet Liner** for Thermo Scientific GCs

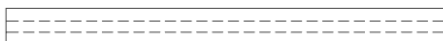
ID x OD x Length	qty	cat.#
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	23251

2.0 mm ID Straight Inlet Liner for Thermo TRACE, 8000 Series, and Focus GCs equipped with SSL inlets

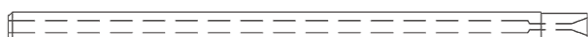
ID x OD x Length	qty	cat.#
2.0 mm x 8.0 mm x 105 mm	5-pk.	22267

2.0 mm ID Straight Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
2.0 mm x 3.0 mm x 71 mm	10-pk.		21157-214
Straight, Standard Deactivation, Borosilicate Glass			
2.0 mm x 3.0 mm x 71 mm	10-pk.	Gerstel 011709-010-00	21157

2.0 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass			
2.0 mm x 6.5 mm x 78.5 mm	5-pk.		20713-210
Straight, Siltek Deactivation, Borosilicate Glass			
2.0 mm x 6.5 mm x 78.5 mm	5-pk.		20713-214
Straight, Standard Deactivation, Borosilicate Glass			
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 5181-8818 (ea.), 5183-4703 (5-pk.), 5183-4704 (25-pk.)	20713
Straight, Standard Deactivation, Quartz			
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 18740-80220 (ea.), 5183-4707 (5-pk.)	20915

2.0 mm ID Straight Inlet Liner for PerkinElmer GCs equipped with split/splitless inlet

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 5.0 mm x 100 mm	5-pk.	PerkinElmer N6502007	20731

2.0 mm ID Straight Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Straight, Base Deactivation, Borosilicate Glass		
2.0 mm x 4.0 mm x 86.2 mm	5-pk.	21718-210
Straight, Siltek Deactivation, Borosilicate Glass		
2.0 mm x 4.0 mm x 86.2 mm	5-pk.	21718-214
Straight, Standard Deactivation, Borosilicate Glass		
2.0 mm x 4.0 mm x 86.2 mm	5-pk.	21718-205



2.0 mm ID Straight Inlet Liner for Thermo TRACE GCs equipped with PTV inlets



ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	5-pk.		21117-210
Straight, Siltek Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	5-pk.		21117-214
Straight, Siltek Deactivation, Metal			
2.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 45322044	21083
Straight, Standard Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 453 22045	21117

2.0 mm ID Straight Inlet Liner w/ CarboFrit for Agilent GCs equipped with CIS4/PTV inlets



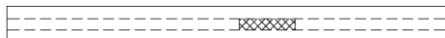
ID x OD x Length	Packing	qty	cat.#
2.0 mm x 3.0 mm x 71 mm	CarboFrit	10-pk.	21157-216

2.0 mm ID Straight Inlet Liner w/ CarboFrit for Thermo TRACE GCs equipped with PTV inlets



ID x OD x Length	Packing	qty	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	CarboFrit	5-pk.	21117-216
Straight, Standard Deactivation, Borosilicate Glass			
2.0 mm x 2.75 mm x 120 mm	CarboFrit	5-pk.	21117-209

2.0 mm ID Straight Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
2.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	Scion/Bruker/Varian 392599903	21077

2.0 mm ID Straight Inlet Liner w/ Wool for PerkinElmer GCs equipped with PSS Inlet



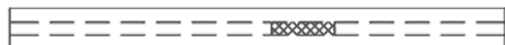
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
2.0 mm x 4.0 mm x 86.2 mm	Deactivated Wool	5-pk.	PerkinElmer N6121004	21718

2.0 mm ID Straight Inlet Liner w/ Wool for Agilent GCs equipped with CIS4/PTV inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass				
2.0 mm x 3.0 mm x 71 mm	Deactivated Wool	10-pk.		21157-213
Straight, Standard Deactivation, Borosilicate Glass				
2.0 mm x 3.0 mm x 71 mm	Deactivated Wool	10-pk.	Agilent 5183-2038; Gerstel 007519-010-00	21156

2.0 mm ID Straight Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
2.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	20713-213



2.0 mm ID Straight Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



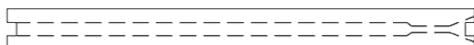
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass				
2.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	PerkinElmer N6502004	20830-213
2.0 mm x 4.0 mm x 86.2 mm	Deactivated Wool	5-pk.	PerkinElmer N6502001	21718-213
Straight, Standard Deactivation, Borosilicate Glass				
2.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	PerkinElmer N6121021	20830

2.0 mm ID Straight Inlet Liner w/ Wool for Thermo TRACE GCs equipped with PTV inlets



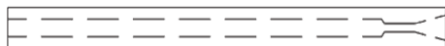
ID x OD x Length	Packing	qty	cat.#
2.0 mm x 2.75 mm x 120 mm	Deactivated Wool	5-pk.	21117-213

2.0 mm ID Top Taper Inlet Liner for Bruker/Varian GCs equipped with 1075/1077 inlets



ID x OD x Length	qty	Similar to Part #	cat.#
Top Taper, Siltek Deactivation, Borosilicate Glass			
2.0 mm x 6.3 mm x 74 mm	5-pk.		20722-214
Top Taper, Standard Deactivation, Borosilicate Glass			
2.0 mm x 6.3 mm x 74 mm	5-pk.	Scion/Bruker/Varian 190010905	20722

2.0 mm ID Top Taper Inlet Liner for Bruker/Varian GCs equipped with 1078/1079 inlets



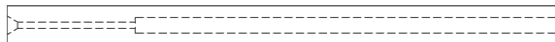
ID x OD x Length	qty	cat.#
Top Taper, Siltek Deactivation, Borosilicate Glass		
2.0 mm x 5.0 mm x 54 mm	5-pk.	21712-214

2.0 mm ID Top Taper Inlet Liner w/ CarboFrit for Bruker/Varian GCs equipped with 1078/1079 inlets



ID x OD x Length	Packing	qty	cat.#
2.0 mm x 5.0 mm x 54 mm	CarboFrit	5-pk.	21712-216

2.5 mm ID Zero Dilution Outer Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



ID x OD x Length	qty	Similar to Part #	cat.#
2.5 mm x 6.2 mm x 90 mm	5-pk.	PerkinElmer N1011445	22993

2.5 mm ID Zero Dilution Outer Liner for PerkinElmer Auto SYS GC equipped with PSS inlets

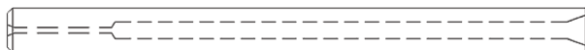


ID x OD x Length	qty	Similar to Part #	cat.#
2.5 mm x 4.2 mm x 83 mm	5-pk.	PerkinElmer N1011447	24979

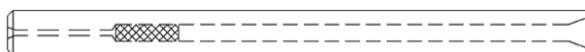
3.0 mm ID Fritted Taper Inlet Liner for ATAS OPTIC 2 and 3 inlets



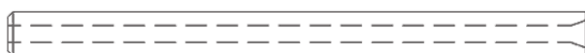
ID x OD x Length	qty	Similar to Part #	cat.#
3.0 mm x 5.0 mm x 80 mm	5-pk.	ATAS A100126	22420

**3.0 mm ID Single Taper Inlet Liner** for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

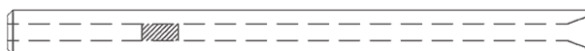
ID x OD x Length	qty	Similar to Part #	cat.#
Single Taper, Siltek Deactivation, Borosilicate Glass			
3.0 mm x 8.0 mm x 105 mm	5-pk.		20943-214
Single Taper, Standard Deactivation, Borosilicate Glass			
3.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20032	20943

3.0 mm ID Single Taper Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

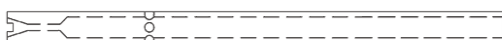
ID x OD x Length	Packing	qty	cat.#
3.0 mm x 8.0 mm x 105 mm	Deactivated Wool	5-pk.	20943-213

3.0 mm ID Straight Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
3.0 mm x 8.0 mm x 105 mm	5-pk.		20937-214
Straight, Standard Deactivation, Borosilicate Glass			
3.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20031	20937

3.0 mm ID Straight Inlet Liner w/ CarboFrit for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	cat.#
3.0 mm x 8.0 mm x 105 mm	CarboFrit	5-pk.	20937-209

3.3 mm ID DMI Inlet Liner for ATAS LINEX DMI System OPTIC 2 and 3 inlets

ID x OD x Length	qty	cat.#
3.3 mm x 5.0 mm x 81 mm	5-pk.	22353

3.4 mm ID Frit Inlet Liner with Top Taper for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Frit with Top Taper, Siltek Deactivation, Borosilicate Glass				
3.4 mm x 5.0 mm x 54 mm	Glass Frit	5-pk.		21709-214
Frit with Top Taper, Standard Deactivation, Borosilicate Glass				
3.4 mm x 5.0 mm x 54 mm	Glass Frit	5-pk.	Scion/Bruker/Varian 392611946	21709

3.4 mm ID Frit Inlet Liner with Top Taper w/ Wool for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	Packing	qty	cat.#
3.4 mm x 5.0 mm x 54 mm	Deactivated Wool	5-pk.	21709-213

**3.4 mm ID Precision Inlet Liner with Top Taper w/ Wool** for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	Packing	qty	cat.#
3.4 mm x 5.0 mm x 54 mm	Deactivated Wool	5-pk.	21025

3.4 mm ID Top Taper Inlet Liner for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Top Taper, Base Deactivation, Borosilicate Glass			
3.4 mm x 5.0 mm x 54 mm	5-pk.		20901-210
Top Taper, Siltek Deactivation, Borosilicate Glass			
3.4 mm x 5.0 mm x 54 mm	5-pk.		20901-214
Top Taper, Standard Deactivation, Borosilicate Glass			
3.4 mm x 5.0 mm x 54 mm	5-pk.	Scion/Bruker/Varian 392611945	20901

3.4 mm ID Top Taper Inlet Liner w/ CarboFrit for Bruker/Varian GCs equipped with 1078/1079 inlets

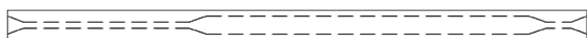
ID x OD x Length	Packing	qty	cat.#
3.4 mm x 5.0 mm x 54 mm	CarboFrit	5-pk.	20901-216

3.4 mm ID Top Taper Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Top Taper, Base Deactivation, Borosilicate Glass				
3.4 mm x 5.0 mm x 54 mm	Base Deactivated Wool	5-pk.		20901-211
Top Taper, Siltek Deactivation, Borosilicate Glass				
3.4 mm x 5.0 mm x 54 mm	Deactivated Wool	5-pk.	Scion/Bruker/Varian 03-918464-00	20901-213

3.5 mm ID Cyclo Single Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

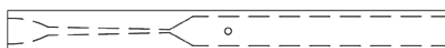
ID x OD x Length	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	22073

3.5 mm ID Double Taper Inlet Liner for Shimadzu 14A GCs equipped with split/splitless inlets

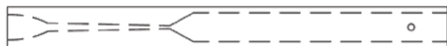
ID x OD x Length	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 99 mm	5-pk.	Shimadzu 221-32544-00	20864

3.5 mm ID Double Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	22275

3.5 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	qty	cat.#
3.5 mm x 5.0 mm x 54 mm	5-pk.	22281

**3.5 mm ID Drilled Uniliner Inlet Liner with Hole near Top** for Bruker/Varian GCs equipped with 1078/1079 inlets

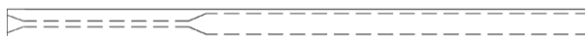
ID x OD x Length	qty	cat.#
Drilled Uniliner (hole near top), Siltek Deactivation, Borosilicate Glass		
3.5 mm x 5.0 mm x 54 mm	5-pk.	24975-214
Drilled Uniliner (hole near top), Standard Deactivation, Borosilicate Glass		
3.5 mm x 5.0 mm x 54 mm	5-pk.	24975

3.5 mm ID Drilled Uniliner Inlet Liner with Hole near Top for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Drilled Uniliner (hole near top), Siltek Deactivation, Borosilicate Glass		
3.5 mm x 5.0 mm x 95 mm	5-pk.	21286-214
Drilled Uniliner (hole near top), Standard Deactivation, Borosilicate Glass		
3.5 mm x 5.0 mm x 95 mm	5-pk.	21286

3.5 mm ID Precision Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

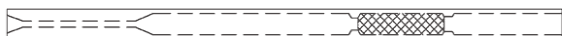
ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Deactivated Wool	5-pk.	21021

3.5 mm ID Single Taper Inlet Liner for Shimadzu 14A GCs equipped with split/splitless inlets

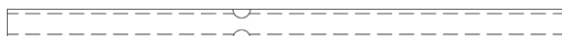
ID x OD x Length	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 99 mm	5-pk.	Shimadzu 221-32544-01	20861

3.5 mm ID Single Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	Shimadzu 221-48335-01	22287

3.5 mm ID Single Taper Precision Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Deactivated Wool	5-pk.	22174

3.5 mm ID Straight Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
3.5 mm x 5.0 mm x 95 mm	5-pk.		20956-214
Straight, Standard Deactivation, Borosilicate Glass			
3.5 mm x 5.0 mm x 95 mm	5-pk.	Shimadzu 221-41444-01	22284



3.5 mm ID Straight Inlet Liner w/ CarboFrit for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



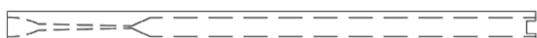
ID x OD x Length	Packing	qty	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
3.5 mm x 5.0 mm x 95 mm	CarboFrit	5-pk.	20956-216
Straight, Standard Deactivation, Borosilicate Glass			
3.5 mm x 5.0 mm x 95 mm	CarboFrit	5-pk.	20956-209

3.5 mm ID Straight Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass				
3.5 mm x 5.0 mm x 95 mm	Base Deactivated Wool	5-pk.		20956-211
Straight, Siltek Deactivation, Borosilicate Glass				
3.5 mm x 5.0 mm x 95 mm	Deactivated Wool	5-pk.		20956-213
Straight, Standard Deactivation, Borosilicate Glass				
3.5 mm x 5.0 mm x 95 mm	Deactivated Wool	5-pk.	Shimadzu 220-90784-00	20956

3.5 mm ID Uniliner Inlet Liner for Agilent 1/4" Packed Injection Ports



ID x OD x Length	qty	cat.#
3.5 mm x 5 mm x 85 mm	5-pk.	20316-205

3.5 mm ID Uniliner Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Deactivated Wool	5-pk.	21719

3.5 mm ID Uniliner Inlet Liner w/ Wool for Agilent 1/4" Packed Injection Ports



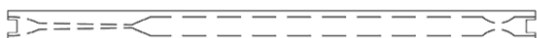
ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5 mm x 85 mm	Base Deactivated Wool	5-pk.	20316-211

3.5 mm ID Uniliner Inlet Liner with Top Taper for PerkinElmer GCs equipped with split/splitless inlet



ID x OD x Length	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 100 mm	5-pk.	PerkinElmer N6502018	20856

3.5 mm ID Uniliner Inlet Liner with Top Taper / On-Column for Agilent 1/4" Packed Injection Ports



ID x OD x Length	qty	cat.#
3.5 mm x 5 mm x 85 mm	5-pk.	20305-214

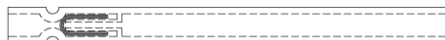
4.0 mm ID mini-Lam Inlet Liner for Agilent GCs equipped with split/splitless inlets



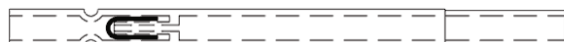
ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20991

**4.0 mm ID mini-Lam Inlet Liner** for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Thermo Fisher Scientific 453A2009	22265

4.0 mm ID Cup Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Cup, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20710-210
Cup, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20710-214
Cup, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent 18740-80190 (ea.), 5183-4699 (5-pk.)	20710

4.0 mm ID Cup Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

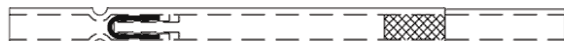
ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502011	20836

4.0 mm ID Cup Inlet Liner w/ CarboFrit for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
Cup, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	CarboFrit	5-pk.	20710-216
Cup, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	CarboFrit	5-pk.	20710-209

4.0 mm ID Cup Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
Cup, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.	20710-211
Cup, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	20710-213

4.0 mm ID Cup Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

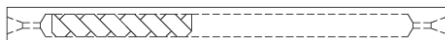
ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	20836-213

4.0 mm ID Cup Inlet Liner with Top Taper for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	cat.#
4.0 mm x 8.0 mm x 105 mm	5-pk.	20951

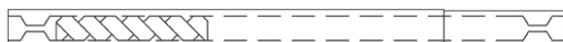


4.0 mm ID Cyclo Double Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
Cyclo Double Taper, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	20896-214
Cyclo Double Taper, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	20896

4.0 mm ID Cyclo Double Taper Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



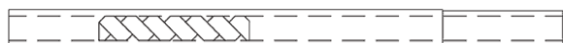
ID x OD x Length	qty	Similar to Part #	cat.#
Cyclo Double Taper, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.		20900-210
Cyclo Double Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.		20900-214
Cyclo Double Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502005	20900

4.0 mm ID Cyclo Inlet Liner for Agilent GCs equipped with split/splitless inlets



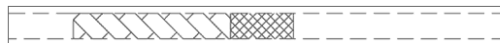
ID x OD x Length	qty	cat.#
Cyclo, Base Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20707-210
Cyclo, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20707-214
Cyclo, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20707

4.0 mm ID Cyclo Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



ID x OD x Length	qty	Similar to Part #	cat.#
Cyclo, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.		20911-214
Cyclo, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502012	20911

4.0 mm ID Cyclo Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.	20707-211

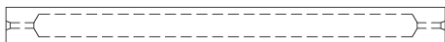
4.0 mm ID Cyclo Uniliner Inlet Liner with Top Taper for Agilent GCs equipped with split/splitless inlets



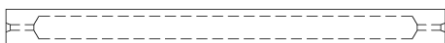
ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	22271

**4.0 mm ID Cyclo Uniliner Inlet Liner with Top Taper** for PerkinElmer Auto SYS GCs equipped with split/splitless inlet

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502017	20840

4.0 mm ID Double Taper Inlet Liner for Bruker/Varian GCs equipped with 1177 inlets

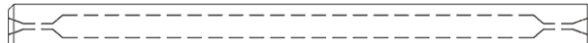
ID x OD x Length	qty	Similar to Part #	cat.#
Double Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		21892-214
Double Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Scion/Bruker/Varian 392611929	21892

4.0 mm ID Double Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Double Taper, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20785-210
Double Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20785-214
Double Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 5181-3315 (ea.), 5183-4705 (5-pk.), 5183-4706 (25-pk.)	20785

4.0 mm ID Double Taper Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

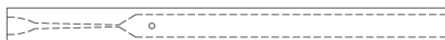
ID x OD x Length	qty	Similar to Part #	cat.#
Double Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.		20854-214
Double Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502003	20854

4.0 mm ID Double Taper Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	cat.#
Double Taper, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 8.0 mm x 105 mm	5-pk.	20953-214
Double Taper, Standard Deactivation, Borosilicate Glass		
4.0 mm x 8.0 mm x 105 mm	5-pk.	20953

4.0 mm ID Drilled Cyclo Uniliner Inlet Liner with Hole near Top and Top Taper for Agilent GCs equipped with split/splitless inlets

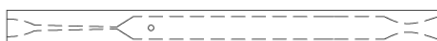
ID x OD x Length	qty	cat.#
Drilled Cyclo Uniliner (hole near top) with Top Taper, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	22980-214
Drilled Cyclo Uniliner (hole near top) with Top Taper, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	22980

**4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom** for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	21469

4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Drilled Uniliner (hole near bottom), Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20771-214
Drilled Uniliner (hole near bottom), Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent G1544-80730 (ea.)	20771

4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom and Top Taper for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Drilled Uniliner (hole near bottom) with Top Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20989-214
Drilled Uniliner (hole near bottom) with Top Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent G1544-80700	20989

4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	21471

4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Drilled Uniliner (hole near top), Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	21055-214
Drilled Uniliner (hole near top), Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	21055

4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top and Top Taper for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Drilled Uniliner (hole near top) with Top Taper, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20509-214
Drilled Uniliner (hole near top) with Top Taper, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20509

**4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top w/ Wool** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Drilled Uniliner (hole near top), Base Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.		21055-211
Drilled Uniliner (hole near top), Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.		21055-213
Drilled Uniliner (hole near top), Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 5190-7013 (5-pk.)	21055-207

4.0 mm ID Frit Inlet Liner with Top Taper for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	Packing	qty	cat.#
Frit with Top Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Glass Frit	5-pk.	21046-214
Frit with Top Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Glass Frit	5-pk.	21046

4.0 mm ID Laminar Cup Inlet Liner for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20768

4.0 mm ID Laminar Cup Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets

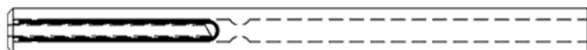
ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	23271

4.0 mm ID Laminar Cup Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Laminar Cup, Base Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20802-210
Laminar Cup, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20802-214
Laminar Cup, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	20802

4.0 mm ID Laminar Cup Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

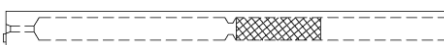
ID x OD x Length	qty	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	20828

**4.0 mm ID Laminar Cup Inlet Liner** for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

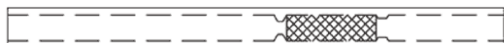
ID x OD x Length	qty	cat.#
Laminar Cup, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 8.0 mm x 105 mm	5-pk.	20949-214
Laminar Cup, Standard Deactivation, Borosilicate Glass		
4.0 mm x 8.0 mm x 105 mm	5-pk.	20949

4.0 mm ID Laminar Cup Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	20802-213

4.0 mm ID Low Pressure Drop Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

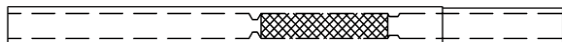
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 5183-4647 (ea.), 5183-4701 (5-pk.)	20995

4.0 mm ID Precision Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets

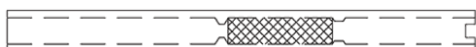
ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	20762

4.0 mm ID Precision Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Precision, Base Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.		21023-211
Precision, Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.		21023-213
Precision, Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 210-4004-5; SGE 092002	21023

4.0 mm ID Precision Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

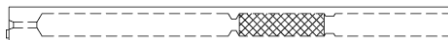
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Precision, Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.		21027-213
Precision, Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	PerkinElmer N6121020	21027

4.0 mm ID Precision Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1075/1077 inlets

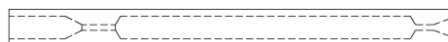
ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 72 mm	Deactivated Wool	5-pk.	21031

**4.0 mm ID Precision Low Pressure Drop Inlet Liner** for Agilent GCs equipped with split/splitless inlets

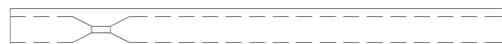
ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	21033-214

4.0 mm ID Precision Low Pressure Drop Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

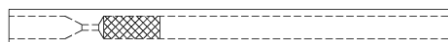
ID x OD x Length	Packing	qty	cat.#
Low Pressure Drop Precision, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.	21033-211
Low Pressure Drop Precision, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	21033-213
Low Pressure Drop Precision, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	21033

4.0 mm ID Recessed Double Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

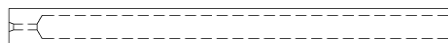
ID x OD x Length	qty	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	20987

4.0 mm ID Recessed Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Recessed Single Taper, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	20984-214
Recessed Single Taper, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	20984

4.0 mm ID Recessed Single Taper Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

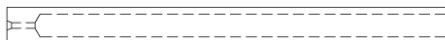
ID x OD x Length	Packing	qty	cat.#
Recessed Single Taper, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	Base Deactivated Wool	5-pk.	22409-211
Recessed Single Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	22409

4.0 mm ID Single Taper Inlet Liner for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Single Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		21897-214
Single Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Scion/Bruker/Varian 392611927	21897



4.0 mm ID Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets



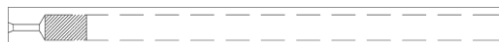
ID x OD x Length	qty	Similar to Part #	cat.#
Single Taper, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20799-210
Single Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20799-214
Single Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 5181-3316 (ea.), 5183-4695 (5-pk.), 5183-4696 (25-pk.)	20799

4.0 mm ID Single Taper Inlet Liner w/ CarboFrit for Agilent GCs equipped with split/splitless inlets



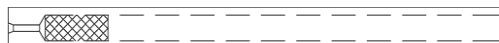
ID x OD x Length	Packing	qty	cat.#
Single Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	CarboFrit	5-pk.	20799-216
Single Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	CarboFrit	5-pk.	20799-209

4.0 mm ID Single Taper Inlet Liner w/ CarboFrit for Bruker/Varian GCs equipped with 1177 inlets



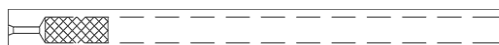
ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.5 mm x 78.5 mm	CarboFrit	5-pk.	21897-216

4.0 mm ID Single Taper Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Single Taper, Base Deactivation, Borosilicate Glass				
4.0 mm x 6.5 mm x 78.5 mm	Base Deactivated Wool	5-pk.		20799-211
Single Taper, Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.		22406-213
Single Taper, Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 5062-3587 (ea.), 5183-4693 (5-pk.), 5183-4694 (25-pk.)	22406

4.0 mm ID Single Taper Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets

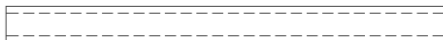


ID x OD x Length	Packing	qty	cat.#
Single Taper, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	Base Deactivated Wool	5-pk.	21897-211
Single Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	21897-213

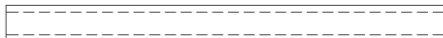
4.0 mm ID Single Taper Precision Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets



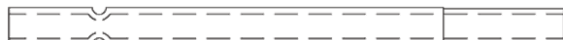
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 210-4022-5, 5183-4712 (5-pk.)	22984

**4.0 mm ID Straight Inlet Liner** for Thermo Scientific GCs

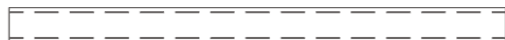
ID x OD x Length	qty	cat.#
Straight, Standard Deactivation, Borosilicate Glass		
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	23253

4.0 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20773-210
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20782-210
Straight, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20773-214
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20782-214
Straight, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 210-3003 (ea.), 210-3003-5 (5-pk.)	20773
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		20782-205
Straight, Standard Deactivation, Quartz			
4.0 mm x 6.5 mm x 78.5 mm	5-pk.		20913

4.0 mm ID Straight Inlet Liner for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

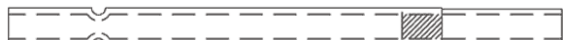
ID x OD x Length	qty	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	20833-214

4.0 mm ID Straight Inlet Liner for Thermo Scientific 4000, 5000, and 6000 GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
Straight, Siltek Deactivation, Borosilicate Glass		
4.0 mm x 5.4 mm x 79.5 mm	5-pk.	20815-214
Straight, Standard Deactivation, Borosilicate Glass		
4.0 mm x 5.4 mm x 79.5 mm	5-pk.	20815

4.0 mm ID Straight Inlet Liner w/ CarboFrit for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	CarboFrit	5-pk.	20773-216
4.0 mm x 6.3 mm x 78.5 mm	CarboFrit	5-pk.	20782-216
Straight, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.5 mm x 78.5 mm	CarboFrit	5-pk.	20773-209
4.0 mm x 6.3 mm x 78.5 mm	CarboFrit	5-pk.	20782-209

4.0 mm ID Straight Inlet Liner w/ CarboFrit for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.2 mm x 92.1 mm	CarboFrit	5-pk.	20833-209

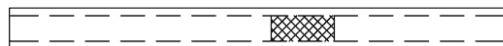


4.0 mm ID Straight Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets



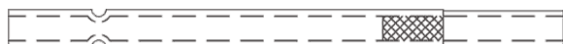
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.		21079-213
Straight, Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Scion/Bruker/Varian 392611934	21079

4.0 mm ID Straight Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets



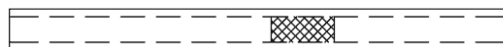
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass				
4.0 mm x 6.5 mm x 78.5 mm	Base Deactivated Wool	5-pk.		20773-211
4.0 mm x 6.3 mm x 78.5 mm	Base Deactivated Wool	5-pk.		20782-211
Straight, Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.		22401-213
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.		20782-213
Straight, Siltek Deactivation, Quartz				
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.		22404-213
Straight, Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 19251-60540 (ea.), 5183-4691 (5-pk.), 5183-4692 (25-pk.)	22401
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 19251-60540 (ea.), 5183-4691 (5-pk.), 5183-4692 (25-pk.)	20782
Straight, Standard Deactivation, Quartz				
4.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.		22404

4.0 mm ID Straight Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
Straight, Base Deactivation, Borosilicate Glass				
4.0 mm x 6.2 mm x 92.1 mm	Base Deactivated Wool	5-pk.		20833-211
Straight, Siltek Deactivation, Borosilicate Glass				
4.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	PerkinElmer N6502010	20833-213
Straight, Standard Deactivation, Borosilicate Glass				
4.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	PerkinElmer N6502009	20833

4.0 mm ID Straight Inlet Liner w/ Wool for Thermo Scientific GCs



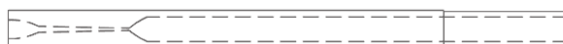
ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.5 mm x 78.5 mm	Base Deactivated Wool	5-pk.	23257

4.0 mm ID Top Taper Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1075/1077 inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 72 mm	Deactivated Wool	5-pk.	Scion/Bruker/Varian 190010901	20793

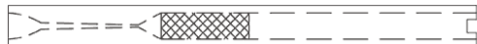
4.0 mm ID Uniliner Inlet Liner for PerkinElmer Auto SYS GCs equipped with split/splitless inlet



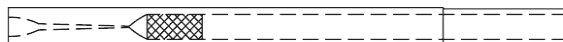
ID x OD x Length	qty	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	20838-205

**4.0 mm ID Uniliner Inlet Liner w/ Wool** for Agilent GCs equipped with split/splitless inlets

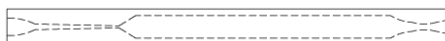
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	Agilent 5190-7014 (5-pk.)	22273

4.0 mm ID Uniliner Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1075/1077 inlets

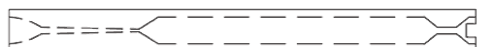
ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 72 mm	Deactivated Wool	5-pk.	20846

4.0 mm ID Uniliner Inlet Liner w/ Wool for PerkinElmer Auto SYS GCs equipped with split/splitless inlet

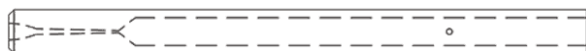
ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	Deactivated Wool	5-pk.	PerkinElmer N6502016	20838

4.0 mm ID Uniliner Inlet Liner with Top Taper for Agilent GCs equipped with split/splitless inlets

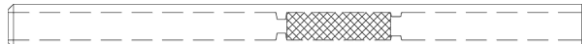
ID x OD x Length	qty	Similar to Part #	cat.#
Uniliner with Top Taper, Siltek Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.		22269-214
Uniliner with Top Taper, Standard Deactivation, Borosilicate Glass			
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent 5190-7011 (5-pk.)	22269

4.0 mm ID Uniliner Inlet Liner with Top Taper for Bruker/Varian GCs equipped with 1075/1077 inlets

ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 72 mm	5-pk.	20346

5.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	5-pk.	22412

5.0 mm ID Precision Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Deactivated Wool	5-pk.	22289

5.0 mm ID Precision Inlet Liner with Top Taper w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

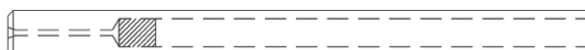
ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Deactivated Wool	5-pk.	21029

**5.0 mm ID Single Taper Inlet Liner** for Agilent GCs equipped with split/splitless inlets

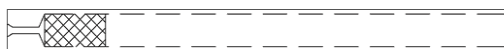
ID x OD x Length	qty	cat.#
5.0 mm x 6.5 mm x 78.5 mm	5-pk.	22974

5.0 mm ID Single Taper Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Single Taper, Base Deactivation, Borosilicate Glass			
5.0 mm x 8.0 mm x 105 mm	5-pk.		20946-210
Single Taper, Siltek Deactivation, Borosilicate Glass			
5.0 mm x 8.0 mm x 105 mm	5-pk.		20946-214
Single Taper, Standard Deactivation, Borosilicate Glass			
5.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20033	20946

5.0 mm ID Single Taper Inlet Liner w/ CarboFrit for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

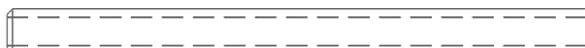
ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	CarboFrit	5-pk.	20946-209

5.0 mm ID Single Taper Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

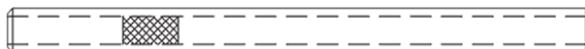
ID x OD x Length	Packing	qty	cat.#
5.0 mm x 6.5 mm x 78.5 mm	Deactivated Wool	5-pk.	22974-207

5.0 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
5.0 mm x 6.5 mm x 78.5 mm	5-pk.	22976

5.0 mm ID Straight Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
Straight, Siltek Deactivation, Borosilicate Glass			
5.0 mm x 8.0 mm x 105 mm	5-pk.		20940-214
Straight, Standard Deactivation, Borosilicate Glass			
5.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20030	20940

5.0 mm ID Straight Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

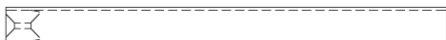
ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Deactivated Wool	5-pk.	21004

**5.2 mm ID Cyclo Inlet Liner** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
5.2 mm x 6.3 mm x 78.5 mm	5-pk.	20726

5.2 mm ID Cyclo Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
5.2 mm x 6.3 mm x 78.5 mm	5-pk.	20974

5.2 mm ID Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
5.2 mm x 6.3 mm x 78.5 mm	5-pk.	21702

5.2 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
5.2 mm x 6.3 mm x 78.5 mm	5-pk.	21700-205

5.2 mm ID Straight Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
5.2 mm x 6.3 mm x 78.5 mm	Deactivated Wool	5-pk.	21700

Base-Deactivated Glass Wool

Description	qty.	cat.#
Base-Deactivated Glass Wool	10 grams	20999



20999

Deactivated Borosilicate Glass Wool

Description	qty.	cat.#
Deactivated Borosilicate Glass Wool	10 grams	20789



20789

Deactivated Glass Wool

Description	qty.	cat.#
Deactivated Glass Wool	10 grams	24324



24324

Ferrule Seal Set w/Washer for Inlet Liners for DANI GCs

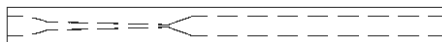
Description	qty	cat.#
Ferrule Seal Set w/Washer for Inlet Liners	5-pk.	23299
	5-pk.	23298

**Replacement CarboFrit Inserts**

Description	Used with	qty.	cat.#
Replacement CarboFrit Inserts	for liner ID ≤ 4 mm	10-pk.	20295
	for liner ID > 4 mm	10-pk.	20294



20295

**SPI with Buffer** for Bruker/Varian GCs equipped with SPI inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.4 mm x 4.6 mm x 54 mm	5-pk.	Scion/Bruker/Varian 190010908	20851

Topaz 0.53 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with SPI inlets

ID x OD x Length	qty	Similar to Part #	cat.#
0.53 mm x 4.6 mm x 54 mm	5-pk.	Scion/Bruker/Varian 190010906	23460

Topaz 0.75 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	qty	Similar to Part #	cat.#
0.75 mm x 5.0 mm x 54 mm	5-pk.	Scion/Bruker/Varian 392611948	23465

Topaz 0.75 mm ID Straight/SPME Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
0.75 mm x 6.35 mm x 78.5 mm	5-pk.	Agilent 5190-7045 (25-pk.), 5190-4048 (ea.), 5190-4056 (5-pk.)	23434

Topaz 0.75 mm ID Straight/SPME Inlet Liner for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
0.75 mm x 6.35 mm x 78.5 mm	5-pk.	PerkinElmer N6502044	23803

Topaz 0.8 mm ID Straight Inlet Liner for DANI GCs

ID x OD x Length	Includes	qty	cat.#
0.8 mm x 6.0 mm x 70 mm		5-pk.	23293
	ferrule set	5-pk.	23286

Topaz 0.80 mm ID Straight Inlet Liner for Bruker/Varian GCs equipped with SPI inlets

ID x OD x Length	qty	Similar to Part #	cat.#
0.80 mm x 4.6 mm x 54 mm	5-pk.	Agilent 8004-0167; Scion/Bruker/Varian 190010907	23461

Topaz 1.0 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent 18740-80200 (ea.), 5190-4047 (ea.)	23333



Topaz 1.0 mm ID Straight Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets



ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 6.3 mm x 78.5 mm	5-pk.	Thermo Fisher Scientific 453A1335-UI	23448

Topaz 1.0 mm ID Straight Inlet Liner for Thermo TRACE GCs equipped with PTV inlets



ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 45322054	23436

Topaz 1.0 mm ID Straight Inlet Liner for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets



ID x OD x Length	qty	Similar to Part #	cat.#
1.0 mm x 6.3 mm x 78.5 mm	5-pk.	PerkinElmer N6502037	23802

Topaz 1.5 mm ID Baffled Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets



ID x OD x Length	qty	Similar to Part #	cat.#
1.5 mm x 3.0 mm x 71 mm	10-pk.	Agilent 5183-2037; Gerstel 011711-010-00	23433

Topaz 1.5 mm ID Straight Inlet Liner for Shimadzu 2010 and 2030 GCs equipped with PTV inlets



ID x OD x Length	qty	cat.#
1.5 mm x 3.5 mm x 95 mm	10-pk.	23471

Topaz 1.5 mm ID Straight Inlet Liner w/ Wool for Shimadzu 2010 and 2030 GCs equipped with PTV inlets



ID x OD x Length	Packing	qty	cat.#
1.5 mm x 3.5 mm x 95 mm	Quartz Wool	10-pk.	23472

Topaz 1.6 mm ID Straight Inlet Liner w/ Wool for Shimadzu 17A GCs equipped with PTV inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
1.6 mm x 4.0 mm x 95 mm	Quartz Wool	5-pk.	Shimadzu 225-09212-01	23435

Topaz 1.7 mm ID On-Column Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets



ID x OD x Length	qty	cat.#
1.7 mm x 3.0 mm x 71 mm	5-pk.	23430



Topaz 1.8 mm ID Straight/SPME Inlet Liner for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
1.8 mm x 6.5 mm x 78.5 mm	5-pk.	23280

Topaz 1.8 mm ID Straight/SPME Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
1.8 mm x 5.0 mm x 95 mm	5-pk.	23279

Topaz 1.8 mm ID Straight/SPME Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets



ID x OD x Length	qty	Similar to Part #	cat.#
1.8 mm x 6.5 mm x 78.5 mm	5-pk.	Thermo Fisher Scientific 453A0415-UI	23278

Topaz 2.0 mm ID Baffled CIS4/TDU Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets



ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 3.0 mm x 78 mm	10-pk.	Gerstel 012436-010-00	23282

Topaz 2.0 mm ID Baffled Inlet Liner for Thermo TRACE GCs equipped with PTV inlets



ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 453T2845-UI	23438

Topaz 2.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top for PerkinElmer GCs equipped with PSS Inlet



ID x OD x Length	qty	cat.#
2.0 mm x 4.0 mm x 86.2 mm	5-pk.	23281

Topaz 2.0 mm ID Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
2.0 mm x 6.2 mm x 92.1 mm	Quartz Wool	5-pk.	PerkinElmer N6121021	23451

Topaz 2.0 mm ID Single Baffle CIS4/TDU Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets



ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 3.0 mm x 78 mm	10-pk.	Gerstel 013775-010-00	23283

**Topaz 2.0 mm ID Single Baffle CIS4/TDU Inlet Liner w/ Wool** for Agilent GCs equipped with CIS4/PTV inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
2.0 mm x 3.0 mm x 78 mm	Quartz Wool	10-pk.	Gerstel 012742-010-00	23284

Topaz 2.0 mm ID Single Baffle Inlet Liner for Agilent GCs equipped with CIS4/PTV inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 3.0 mm x 71 mm	10-pk.	Agilent 5183-2036; Gerstel 011709-010-00	23431

Topaz 2.0 mm ID Single Baffle Inlet Liner w/ Wool for Agilent GCs equipped with CIS4/PTV inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
2.0 mm x 3.0 mm x 71 mm	Quartz Wool	10-pk.	Agilent 5183-2038; Gerstel 007519-010-00	23432

Topaz 2.0 mm ID Single Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	23315

Topaz 2.0 mm ID Single Taper Inlet Liner for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	PerkinElmer N6502030	23795

Topaz 2.0 mm ID Single Taper Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
2.0 mm x 6.5 mm x 78.5 mm	Quartz Wool	5-pk.	23316

Topaz 2.0 mm ID Split Precision Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
2.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	23468

Topaz 2.0 mm ID Straight Inlet Liner for DANI GCs

ID x OD x Length	Includes	qty	cat.#
2.0 mm x 6.0 mm x 70 mm		5-pk.	23292
	ferrule set	5-pk.	23285

**Topaz 2.0 mm ID Straight Inlet Liner** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 5181-8818 (ea.), 5183-4703 (5-pk.), 5183-4704 (25-pk.), 5190-6168 (ea.)	23313

Topaz 2.0 mm ID Straight Inlet Liner for Thermo TRACE GCs equipped with PTV inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 2.75 mm x 120 mm	5-pk.	Thermo Fisher Scientific 453 22045	23437

Topaz 2.0 mm ID Straight Inlet Liner for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 6.5 mm x 78.5 mm	5-pk.	PerkinElmer N6502033	23798

Topaz 2.0 mm ID Straight Inlet Liner w/ Wool for PerkinElmer GCs equipped with PSS Inlet

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
2.0 mm x 4.0 mm x 86.2 mm	Quartz Wool	5-pk.	PerkinElmer N6121004	23317

Topaz 2.0 mm ID Straight Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
2.0 mm x 6.5 mm x 78.5 mm	Quartz Wool	5-pk.	23314

Topaz 2.0 mm ID Top Taper Inlet Liner for Bruker/Varian GCs equipped with 1078/1079 inlets

ID x OD x Length	qty	Similar to Part #	cat.#
2.0 mm x 5.0 mm x 54 mm	5-pk.	Scion/Bruker/Varian 392611947	23463

Topaz 2.2 mm ID Dimpled Liner w/Wool for DANI GCs

ID x OD x Length	Packing	Includes	qty	cat.#
2.2 mm x 4.0 mm x 55 mm	Quartz Wool		5-pk.	23296
	Quartz Wool	ferrule set	5-pk.	23289

Topaz 2.2 mm ID Straight Liner w/Wool for DANI GCs

ID x OD x Length	Packing	qty	cat.#
2.2 mm x 4.0 mm x 85.7 mm	Quartz Wool	5-pk.	23291



Topaz 2.4 mm ID Analytical Controls TPI Inlet Liner for 0.25/0.32 mm ID columns for Agilent GCs equipped with PTV inlets



ID x OD x Length	qty	cat.#
2.4 mm x 4.0 mm x 71 mm	10-pk.	23428

Topaz 2.4 mm ID Analytical Controls TPI Inlet Liner for 0.53 mm ID columns for Agilent GCs equipped with PTV inlets



ID x OD x Length	qty	cat.#
2.4 mm x 4.0 mm x 71 mm	10-pk.	23429

Topaz 3.0 mm ID Single Taper Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets



ID x OD x Length	qty	Similar to Part #	cat.#
3.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20032	23441

Topaz 3.0 mm ID Single Taper Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets



ID x OD x Length	Packing	qty	cat.#
3.0 mm x 8.0 mm x 105 mm	Quartz Wool	5-pk.	23442

Topaz 3.0 mm ID Straight Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets



ID x OD x Length	qty	Similar to Part #	cat.#
3.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20031	23439

Topaz 3.0 mm ID Straight Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets



ID x OD x Length	Packing	qty	cat.#
3.0 mm x 8.0 mm x 105 mm	Quartz Wool	5-pk.	23440

Topaz 3.4 mm ID Frit Inlet Liner with Top Taper for Bruker/Varian GCs equipped with 1078/1079 inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
3.4 mm x 5.0 mm x 54 mm	Glass Frit	5-pk.	Scion/Bruker/Varian 392611946	23462

Topaz 3.4 mm ID Precision Inlet Liner with Top Taper w/ Wool for Bruker/Varian GCs equipped with 1078/1079 inlets



ID x OD x Length	Packing	qty	cat.#
3.4 mm x 5.0 mm x 54 mm	Quartz Wool	5-pk.	23466



Topaz 3.4 mm ID Top Taper Inlet Liner for Bruker/Varian GCs equipped with 1078/1079 inlets



ID x OD x Length	qty	Similar to Part #	cat.#
3.4 mm x 5.0 mm x 54 mm	5-pk.	Scion/Bruker/Varian 392611945	23329

Topaz 3.5 mm ID Cyclo Single Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	23456

Topaz 3.5 mm ID Double Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	23457

Topaz 3.5 mm ID Precision Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	23320

Topaz 3.5 mm ID Single Taper Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	Shimadzu 221-48335-01	23321

Topaz 3.5 mm ID Single Taper Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	23322

Topaz 3.5 mm ID Single Taper Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	23336

Topaz 3.5 mm ID Single Taper Precision Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	23455



Topaz 3.5 mm ID Straight Inlet Liner for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 95 mm	5-pk.	Shimadzu 221-41444-01	23318

Topaz 3.5 mm ID Straight Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	23319

Topaz 3.5 mm ID Straight Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	Shimadzu 220-90784-00	23458

Topaz 3.5 mm ID Uniliner Inlet Liner w/ Wool for Shimadzu 17A, 2010, 2014, and 2030 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	cat.#
3.5 mm x 5.0 mm x 95 mm	Quartz Wool	5-pk.	23459

Topaz 4.0 mm ID Cyclo Double Taper Inlet Liner for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	23310

Topaz 4.0 mm ID Cyclo Double Taper Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets



ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Thermo Fisher Scientific 453A1365-UI	23270

Topaz 4.0 mm ID Cyclo Inlet Liner for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	23312

Topaz 4.0 mm ID Cyclo Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets



ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	23269

**Topaz 4.0 mm ID Double Taper Inlet Liner** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 5181-3315 (ea.), 5183-4705 (5-pk.), 5183-4706 (25-pk.), 5190-3983 (ea.), 5190-4007 (5-pk.)	23308

Topaz 4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent G1544-80730 (ea.), 5190-7020 (5-pk.)	23306

Topaz 4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom for PerkinElmer Auto SYS GCs equipped with split/splitless inlet

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6502013	23454

Topaz 4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Bottom w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	23307

Topaz 4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	23311

Topaz 4.0 mm ID Drilled Uniliner Inlet Liner with Hole near Top for PerkinElmer Auto SYS GCs equipped with split/splitless inlet

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	5-pk.	PerkinElmer N6121022	23453

Topaz 4.0 mm ID Frit Inlet Liner for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Glass Frit	5-pk.	23330

Topaz 4.0 mm ID Low Pressure Drop Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Agilent 5183-4647 (ea.), 5183-4701 (5-pk.), 5190-2295 (ea.), 5190-3165 (25-pk.), 5190-3169 (25-pk.), 5190-3173 (100-pk.)	23467



Topaz 4.0 mm ID Low Pressure Drop Precision Inlet Liner w/ Wool for Agilent GCs and Lucidity miniGCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Agilent 5190-3165 (5-pk.), 5190-3169 (25-pk.), 5183-4701 (5-pk.), 5183-4702 (25-pk.)	23309

Topaz 4.0 mm ID Low Pressure Drop Precision Inlet Liner w/ Wool for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Thermo Fisher Scientific 453A1265-UI	23268

Topaz 4.0 mm ID Low Pressure Drop Precision Inlet Liner w/ Wool for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	PerkinElmer N6502032	23797

Topaz 4.0 mm ID Precision Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Agilent 210-4004-5	23305

Topaz 4.0 mm ID Precision Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets



ID x OD x Length	Packing	qty	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	23328

Topaz 4.0 mm ID Precision Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	Quartz Wool	5-pk.	PerkinElmer N6121020	23450

Topaz 4.0 mm ID Precision Inlet Liner w/ Wool for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Thermo Fisher Scientific 453A1255-UI	23267

Topaz 4.0 mm ID Precision Inlet Liner w/ Wool for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets



ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	PerkinElmer N6502034	23799

**Topaz 4.0 mm ID Single Taper Inlet Liner** for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Agilent 5181-3316 (ea.), 5183-4695 (5-pk.), 5183-4696 (25-pk.), 5190-2292 (ea.), 5190-3162 (5-pk.), 5190-3166 (25-pk.), 5190-3170 (100-pk.)	23302

Topaz 4.0 mm ID Single Taper Inlet Liner for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Scion/Bruker/Varian 392611927	23331

Topaz 4.0 mm ID Single Taper Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	Thermo Fisher Scientific 453A1345-UI	23446

Topaz 4.0 mm ID Single Taper Inlet Liner for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	5-pk.	PerkinElmer N6502031	23796

Topaz 4.0 mm ID Single Taper Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	Quartz Wool	5-pk.	Agilent 5062-3587 (ea.), 5183-4693 (5-pk.), 5183-4694 (25-pk.), 5190-2293 (ea.), 5190-3163 (5-pk.), 5190-3167 (25-pk.), 5190-3171 (100-pk.)	23303

Topaz 4.0 mm ID Single Taper Inlet Liner w/ Wool for Bruker/Varian GCs equipped with 1177 inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	Quartz Wool	5-pk.	Scion/Bruker/Varian 392611936	23332

Topaz 4.0 mm ID Single Taper Inlet Liner w/ Wool for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	Quartz Wool	5-pk.	Thermo Fisher Scientific 453A1925-UI	23447

Topaz 4.0 mm ID Single Taper Inlet Liner w/ Wool for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.5 mm x 78.5 mm	Quartz Wool	5-pk.	PerkinElmer N6502035	23800

**Topaz 4.0 mm ID Single Taper Inlet Liner w/Wool** for DANI GCs

ID x OD x Length	Packing	Includes	qty	cat.#
4.0 mm x 6.0 mm x 70 mm	Quartz Wool		5-pk.	23297
	Quartz Wool	ferrule set	5-pk.	23290

Topaz 4.0 mm ID Straight Inlet Liner for DANI GCs

ID x OD x Length	Includes	qty	cat.#
4.0 mm x 6.0 mm x 70 mm		5-pk.	23294
	ferrule set	5-pk.	23287

Topaz 4.0 mm ID Straight Inlet Liner for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Agilent 210-3003 (ea.), 210-3003-5 (5-pk.)	23301

Topaz 4.0 mm ID Straight Inlet Liner for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	5-pk.	Thermo Fisher Scientific 453A1295-UI	23445

Topaz 4.0 mm ID Straight Inlet Liner w/ Wool for PerkinElmer Auto SYS and Clarus 580/680 GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	Quartz Wool	5-pk.	PerkinElmer N6502009	23449

Topaz 4.0 mm ID Straight Inlet Liner w/ Wool for Agilent GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Agilent 5190-3172 (100-pk.), 19251-60540 (ea.), 5183-4691 (5-pk.), 5183-4692 (25-pk.), 5190-2294 (ea.), 5190-3164 (5-pk.), 5190-3168 (25-pk.)	23300

Topaz 4.0 mm ID Straight Inlet Liner w/ Wool for Thermo TRACE 1300/1310, 1600/1610 GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	Thermo Fisher Scientific 453A2265-UI	23444

Topaz 4.0 mm ID Straight Inlet Liner w/ Wool for PerkinElmer Clarus 590/690 GCs equipped with split/splitless inlets

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.3 mm x 78.5 mm	Quartz Wool	5-pk.	PerkinElmer N6502036	23801

**Topaz 4.0 mm ID Straight Inlet Liner w/Wool** for DANI GCs

ID x OD x Length	Packing	Includes	qty	cat.#
4.0 mm x 6.0 mm x 70 mm	Quartz Wool		5-pk.	23295
	Quartz Wool	ferrule set	5-pk.	23288

Topaz 4.0 mm Uniliner Inlet Liner w/ Wool for PerkinElmer Auto SYS GCs equipped with split/splitless inlet

ID x OD x Length	Packing	qty	Similar to Part #	cat.#
4.0 mm x 6.2 mm x 92.1 mm	Quartz Wool	5-pk.	PerkinElmer N6502016	23452

Topaz 5.0 mm ID Precision Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Quartz Wool	5-pk.	23327

Topaz 5.0 mm ID Precision Inlet Liner with Single Taper w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Quartz Wool	5-pk.	23443

Topaz 5.0 mm ID Single Taper Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
5.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20033	23325

Topaz 5.0 mm ID Single Taper Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Quartz Wool	5-pk.	23326

Topaz 5.0 mm ID Straight Inlet Liner for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	qty	Similar to Part #	cat.#
5.0 mm x 8.0 mm x 105 mm	5-pk.	Thermo Fisher Scientific 453 20030	23323

Topaz 5.0 mm ID Straight Inlet Liner w/ Wool for Thermo TRACE, 8000 Series and Focus GCs equipped with SSL inlets

ID x OD x Length	Packing	qty	cat.#
5.0 mm x 8.0 mm x 105 mm	Quartz Wool	5-pk.	23324



Capillary Column Caps

Description	Material	qty.	cat.#
Capillary Column Caps	Glass	10-pk.	21044
	Silicone	10-pk.	22858



21044

Capillary Column Rinsing Reservoir (Reservoir only)

Description	qty.	cat.#
Rinsing Reservoir only	ea.	20613



20613

Capillary Column Rinsing Reservoir Kit

Description	qty.	cat.#
Rinsing Reservoir Complete Kit	kit	20612



20612

Ceramic Scoring Wafer

Description	qty.	Similar to Part #	cat.#
Ceramic Scoring Wafers	5-pk.	Agilent 5181-8836	20116



20116

Column Hanger for Agilent 5880A/5890/6890/7890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Column Hanger	for Agilent 5880A/5890/6890/7890 GCs	ea.	Agilent 1460-1914	22128



22128

High-Temperature String

Description	Length	qty.	cat.#
High-Temperature String	10 m	ea.	20109
	450 m	ea.	20618



20109

Maintenance Kit for Shortix Capillary GC Column Cutter

Description	Includes	qty.	Similar to Part #	cat.#
Maintenance Kit for Shortix Capillary GC Column Cutter	diamond cutting wheel, O-rings, and a tool to open the column cutter	kit	Agilent 5183-4621	23027



23027

Methane Cylinder Kit

Description	qty.	cat.#
Methane Cylinder Kit	kit	20197



20197

MXT Needle Files

Description	qty.	cat.#
MXT Needle Files	2-pk.	21601



21601

Pocket Magnifier

Description	qty.	cat.#
Pocket Magnifier	ea.	20124



20124

Replacement Cylinder for Methane Cylinder Kit

Description	qty.	cat.#
Replacement Methane Cylinder	ea.	20199



20199

Sapphire Scribe

Description	qty.	cat.#
Sapphire Scribe	ea.	20182



20182

**Scoring Wafer with Handle**

Description	qty.	cat.#
Scoring Wafer with Handle	2-pk.	23015



23015

Shortix Capillary GC Column Cutter

Description	qty.	Similar to Part #	cat.#
Shortix Capillary GC Column Cutter	ea.	Agilent 5183-4620	23026



23026

Slide-Lock Tweezers and 15 cm Compact Steel Ruler

Description	qty.	cat.#
Slide-Lock Tweezers and 15 cm Compact Steel Ruler	set	20101



20101

1/16-Inch Capillary Inlet Adaptor Fitting Kit Split/Splitless Fitting for Capillary Columns

Description	qty.	cat.#
1/16-Inch Capillary Inlet Adaptor Fitting Kit	kit	27184



27184

1/8-Inch Capillary Inlet Adaptor Fitting Kit Split/Splitless Fitting for 0.53 mm ID Capillary Columns

Description	qty.	cat.#
1/8-Inch Capillary Inlet Adaptor Fitting Kit	kit	20645



20645

60 psig Backpressure Regulator Kit for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Backpressure Regulator Kit	for Agilent GCs	kit	Agilent 19246-60630	20634



20634

Adapters for Capillary Columns for Thermo Scientific TRACE & Focus SSL

Description	Instrument	Used with	qty.	Similar to Part #	cat.#
Adaptor for Capillary Column on Detector Base	for Thermo Scientific TRACE & Focus SSL	For use with standard 1/16"-type ferrules.	ea.		24916
Adaptor for Capillary Column on Split/Splitless Injector	for Thermo Scientific TRACE & Focus SSL	For use with standard 1/16"-type ferrules.	ea.		24917
Siltek Treated Adaptor for Capillary Column on Split/Splitless Injector	for Thermo Scientific TRACE & Focus SSL	For use with standard 1/16"-type ferrules.	ea.		20543
Adaptor for Capillary Column on Detector Base	for Thermo Scientific TRACE & Focus SSL	For use with M4 ferrules.	2-pk.	Thermo Fisher Scientific 347 25 436	24969
Adaptor for Capillary Column on Split/Splitless Injector	for Thermo Scientific TRACE & Focus SSL	For use with M4 ferrules.	ea.	Thermo Fisher Scientific 347 05 451	24970
Siltek Treated Adaptor for Capillary Column on Split/Splitless Injector	for Thermo Scientific TRACE & Focus SSL	For use with M4 ferrules.	ea.		20544

**Back Washer** for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Back Washer	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	Shimadzu 201-30051-84	27226



27226

Backpressure Gas Regulator

Description	qty.	cat.#
Backpressure Gas Regulator	ea.	20635



20635

Capillary Column Nuts for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Instrument	Material	Used with	qty.	Similar to Part #	cat.#
Capillary Column Nut	for Agilent 5890/6850/6890/7890; Thermo TRACE 1300/1310, 1600/1610 GCs	Stainless Steel	For use with "compact" Agilent-style ferrules.	2-pk.	Agilent 5181-8830	21884
	for Agilent 5890/6850/6890/7890; Thermo TRACE 1300/1310, 1600/1610 GCs	Brass	For use with "compact" Agilent-style ferrules.	2-pk.	Agilent 5181-8830	21878
	for Agilent 5890/6850/6890/7890; Thermo TRACE 1300/1310, 1600/1610 GCs	Stainless Steel	For use with standard 1/16"-type ferrules. (Designed to fit a wider variety of 1/16" ferrules)	2-pk.	Agilent 05921-21170	20883
	for Agilent 5890/6850/6890/7890; Thermo TRACE 1300/1310, 1600/1610 GCs	Brass	For use with standard 1/16"-type ferrules. (Designed to fit a wider variety of 1/16" ferrules)	2-pk.	Agilent 05921-21170	21879





Capillary Installation Gauge for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Instrument	Used with	qty.	cat.#
Capillary Installation Gauge	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	for 1/16" fittings (1/16" ferrules)	ea.	21399
	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	for Agilent-style fittings (compact ferrules)	ea.	21034

*For use with graphite ferrules only.



Capillary Installation Gauge for older Thermo Scientific TRACE GCs, Focus SSL, and PTV injectors (using M4 ferrules)

Description	Instrument	qty.	cat.#
Capillary Installation Gauge	for older Thermo Scientific TRACE GCs, Focus SSL, and PTV injectors (using M4 ferrules)	ea.	22330

*For use with graphite ferrules only.



Capillary Installation Gauge for Bruker/Varian GCs for use with 1/16" ferrules

Description	Instrument	qty.	cat.#
Capillary Installation Gauge	for Bruker/Varian GCs for use with 1/16" ferrules	ea.	22335

*For use with graphite ferrules only.



Capillary Installation Gauge for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	cat.#
Capillary Installation Gauge	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	22333

*For use with graphite ferrules only.



Capillary Installation Gauge for Agilent 5973/5975/5977 MS

Description	Instrument	qty.	Similar to Part #	cat.#
Capillary Installation Gauge	for Agilent 5973/5975/5977 MS	ea.	Agilent G1099-20030	21894



Capillary Installation Gauge for 1/16" Fittings

Description	qty.	cat.#
Capillary Installation Gauge for 1/16" Fittings	ea.	27227



Capillary Nut for Shimadzu 17A, 2010, 2014, and 2030* GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Capillary Nut	for Shimadzu 17A, 2010, 2014, and 2030* GCs	2-pk.	Shimadzu 221-32705-00	22688

* Not compatible with MS detectors; for MS detectors use cat.# 27217.



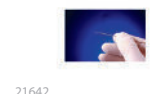
Capillary Nuts for Bruker/Varian GCs

Description	Instrument	Material	qty.	Similar to Part #	cat.#
Capillary Nuts	for Bruker/Varian GCs	Brass	2-pk.	Scion/Bruker/Varian 03-949551-00	20881
	for Bruker/Varian GCs	Stainless Steel	2-pk.	Scion/Bruker/Varian 03-949551-00	20882



CarboFrit Puller/Insertor Tool

Description	qty.	cat.#
CarboFrit Puller/Insertor Tool	ea.	21642



Cross-Disk Inlet Seals for Agilent GCs

Description	ID	Instrument	Material	qty.	Similar to Part #	cat.#
Cross-Disk Inlet Seal	0.8 mm	for Agilent GCs	Gold-Plated	2-pk.	Agilent 5182-9652	20477
	0.8 mm	for Agilent GCs	Gold-Plated	10-pk.	Agilent 5182-9652	20476
	0.8 mm	for Agilent GCs	Siltek-Treated	2-pk.		20475
	0.8 mm	for Agilent GCs	Siltek-Treated	10-pk.		20474
	1.2 mm	for Agilent GCs	Gold-Plated	2-pk.		21009
	1.2 mm	for Agilent GCs	Gold-Plated	10-pk.		21010
	1.2 mm	for Agilent GCs	Siltek-Treated	2-pk.		21011
	1.2 mm	for Agilent GCs	Siltek-Treated	10-pk.		21012





Cross-Disk Inlet Seals for Thermo TRACE 1300/1310, 1600/1610 GCs

Description	ID	Instrument	Material	qty.	Similar to Part #	cat.#
Cross-Disk Inlet Seal	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Gold-Plated	2-pk.	Thermo Fisher Scientific 290GA083	22235
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Siltek-Treated	2-pk.	Thermo Fisher Scientific 290GA093	22239
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Siltek-Treated	10-pk.	Thermo Fisher Scientific 290GA094	22240
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Gold-Plated	10-pk.	Thermo Fisher Scientific 290GA084	22236



Direct Replacement Reducing Nut for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Reducing Nut	for Agilent 5890/6850/6890/7890/8890 GCs	ea.	Agilent 18740-20800	22078



Dual Vespel Ring Cross-Disk Inlet Seals for Agilent GCs

Description	ID	Material	qty.	cat.#
Dual Vespel Ring Cross-Disk Inlet Seal	0.8 mm	Gold-Plated	2-pk.	22083
	0.8 mm	Gold-Plated	10-pk.	22084
	0.8 mm	Siltek-Treated	2-pk.	22085
	0.8 mm	Siltek-Treated	10-pk.	22086

22078



Dual Vespel Ring Inlet Seals Washerless, Leak-Tight Seals for Agilent GCs

Description	ID	Instrument	Material	qty.	cat.#
Dual Vespel Ring Inlet Seal	0.8 mm	for Agilent GCs	Stainless Steel	2-pk.	21238
	0.8 mm	for Agilent GCs	Stainless Steel	10-pk.	21239
	0.8 mm	for Agilent GCs	Stainless Steel	50-pk.	23420
	0.8 mm	for Agilent GCs	Gold-Plated	2-pk.	21240
	0.8 mm	for Agilent GCs	Gold-Plated	10-pk.	21241
	0.8 mm	for Agilent GCs	Gold-Plated	50-pk.	23418
	0.8 mm	for Agilent GCs	Siltek-Treated	2-pk.	21242
	0.8 mm	for Agilent GCs	Siltek-Treated	10-pk.	21243
	0.8 mm	for Agilent GCs	Siltek-Treated	50-pk.	23419
	1.2 mm	for Agilent GCs	Stainless Steel	2-pk.	21244
	1.2 mm	for Agilent GCs	Stainless Steel	10-pk.	21245
	1.2 mm	for Agilent GCs	Gold-Plated	2-pk.	21246
	1.2 mm	for Agilent GCs	Gold-Plated	10-pk.	21247
	1.2 mm	for Agilent GCs	Siltek-Treated	2-pk.	21248
	1.2 mm	for Agilent GCs	Siltek-Treated	10-pk.	21249



Patented

Dual Vespel Ring Inlet Seals Washerless, Leak-Tight Seals for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs

Description	ID	Instrument	Material	qty.	Similar to Part #	cat.#
Dual Vespel Ring Inlet Seal	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Gold-Plated	2-pk.	PerkinElmer N6551043	22243
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Gold-Plated	10-pk.	PerkinElmer N6551043	22244
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Siltek-Treated	2-pk.		22247
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Siltek-Treated	10-pk.		22248
	1.2 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Gold-Plated	2-pk.		22245
	1.2 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Gold-Plated	10-pk.		22246
	1.2 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Siltek-Treated	2-pk.		22249
	1.2 mm	for Thermo TRACE 1300/1310, 1600/1610; PE Clarus 590/690 GCs	Siltek-Treated	10-pk.		22250



Patented

EPC Test Kit for Agilent 6890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
EPC Test Kit	for Agilent 6890 GCs	kit	Agilent G1530-60960*	24323

*Similar to Agilent part # G1530-60960, but not exact equivalent. Kits differ in parts.



24323



Extended Capillary Column Nuts for Agilent GCs

Description	Includes	Instrument	Used with	qty.	cat.#
Extended Capillary Column Nut Kit	extended reducing nut and extended capillary column nut for standard 1/16" ferrules	for Agilent GCs	for standard 1/16" ferrules	kit	22633
	extended reducing nut and extended capillary column nut for compact ferrules	for Agilent GCs	for compact ferrules	kit	22634
Extended Reducing Nut		for Agilent GCs		ea.	22635
Extended Capillary Column Nut		for Agilent GCs	for standard 1/16" ferrules	ea.	22636
		for Agilent GCs	for compact ferrules	ea.	22637



22633

FastPack Inlet Kits for Agilent GCs

Description	Includes	Instrument	Type	qty.	cat.#
FastPack Inlet Kit	1 pack includes 5 maintenance kits. Each maintenance kit includes: 4 mm Topaz straight inlet liner (4 mm ID, 6.3 mm OD, 78.5 mm long); Viton O-ring; 0.8 mm ID gold-plated inlet seal and washer; 11 mm Thermolite Plus CenterGuide septum	for Agilent GCs	4 mm Topaz Straight	pack of 5 kits	21101
	1 pack includes 5 maintenance kits. Each maintenance kit includes: 4 mm Topaz single taper inlet liner (4 mm ID, 6.5 mm OD, 78.5 mm long); Viton O-ring; 0.8 mm ID gold-plated inlet seal and washer; 11 mm Thermolite Plus CenterGuide septum	for Agilent GCs	4 mm Topaz Single Taper	pack of 5 kits	21102
	1 pack includes 5 maintenance kits. Each maintenance kit includes: 4 mm Topaz straight inlet liner with wool (4 mm ID, 6.3 mm OD, 78.5 mm long); Viton O-ring; 0.8 mm ID gold-plated inlet seal and washer; 11 mm Thermolite Plus CenterGuide septum	for Agilent GCs	4 mm Topaz Straight with Wool	pack of 5 kits	21104
	1 pack includes 5 maintenance kits. Each maintenance kit includes: 4 mm Topaz single taper splitless inlet liner with wool (4 mm ID, 6.5 mm OD, 78.5 mm long); Viton O-ring; 0.8 mm ID gold-plated inlet seal and washer; 11 mm Thermolite Plus CenterGuide septum	for Agilent GCs	4 mm Topaz Single Taper Splitless with Wool	pack of 5 kits	23258
	1 pack includes 5 maintenance kits. Each maintenance kit includes: 4 mm Topaz Precision inlet liner with wool (4 mm ID, 6.3 mm OD, 78.5 mm long); Viton O-ring; 0.8 mm ID gold-plated inlet seal and washer; 11 mm Thermolite Plus CenterGuide septum	for Agilent GCs	4 mm Topaz Precision with Wool	pack of 5 kits	23259



21102

Finger-Tight Capillary Column Nuts

Description	Instrument	Used with	qty.	cat.#
Finger-Tight Capillary Column Nut	for Agilent GCs	For use with "compact" Agilent-style ferrules.	ea.	21311
	for Agilent GCs	For use with standard 1/16"-type ferrules.	ea.	21312



21311

Finger-Tight Capillary Column Nuts for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Instrument	Used with	qty.	Similar to Part #	cat.#
Finger-Tight Capillary Column Nuts	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	For use with "compact" Agilent-style ferrules.	2-pk.	Agilent 5020-8292, 5020-8293	21040
	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	For use with standard 1/16"-type ferrules.	2-pk.		21041



21040

Fixing Nut for Capillary Column for Split/Splitless Injector on Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL

Description	Instrument	qty.	Similar to Part #	cat.#
Fixing Nut for Capillary Column	for Split/Splitless Injector on Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	5-pk.	Thermo Fisher Scientific 350 32 423	24973



24973

Flip Seal Dual Vespel Ring Inlet Seals

Description	Includes	ID	Material	qty.	cat.#
Flip Seal Dual Vespel Ring Inlet Seal Kit	gold-plated inlet seal, reducing nut adaptor, 1/16" SS nut	1.2 mm	Gold-Plated	2-pk.	23411
		1.2 mm	Gold-Plated	10-pk.	23413
Flip Seal Dual Vespel Ring Inlet Seal		1.2 mm	Siltek-Deactivated	2-pk.	23412
		1.2 mm	Siltek-Deactivated	10-pk.	23414



The Flip Seal Adaptor can be used with standard 1/16" ferrules.

Patented

Gold-Plated Liner Cap for Split/Splitless Injector on Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL

Description	Instrument	qty.	Similar to Part #	cat.#
Gold-Plated Liner Cap	for Split/Splitless Injector on Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	ea.	Thermo Fisher Scientific 29004290	22089



22089



Graphite O-Rings for PerkinElmer Auto SYS XL or Clarus 580/680 GCs with PSS Injector

Description	Instrument	Material	Max Temp	qty.	Similar to Part #	cat.#
O-Rings	for PerkinElmer Auto SYS XL or Clarus 580/680 GCs w/PSS Injector	Graphite	450 °C	10-pk.	PerkinElmer N610-1751	21475
	for PerkinElmer Auto SYS XL or Clarus 580/680 GCs w/PSS Injector	Graphite	450 °C	25-pk.	PerkinElmer N610-1751	21476



21475

Graphite O-Rings for Shimadzu 2010, 2014, and 2030 GCs

Description	Instrument	Material	Max Temp	Used with	qty.	Similar to Part #	cat.#
O-Rings	for Shimadzu 2010, 2014, and 2030 GCs	Graphite	450 °C	for Split Liners	5-pk.	Shimadzu 221-48393-91	20243
	for Shimadzu 2010, 2014, and 2030 GCs	Graphite	450 °C	for Splitless Liners	5-pk.	Shimadzu 221-47222-91	20244



20243

Graphite Sealing Ring for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL instruments; fits 8 mm OD liners

Description	Instrument	Max Temp	qty.	Similar to Part #	cat.#
Graphite Sealing Ring	for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	450 °C	ea.	Thermo Fisher Scientific 290-334-06	21898
	for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	450 °C	2-pk.	Thermo Fisher Scientific 290-334-06	21899



21899

Heat Sink for Agilent 5890 GC Split/Splitless Injector

Description	Instrument	qty.	Similar to Part #	cat.#
Heat Sink	for Agilent 5890 GCs	ea.	Agilent 18740-20940	20409



20409

Heater Block for Agilent 6850/6890/7890/8890 GC Split/Splitless Injector

Description	Instrument	qty.	Similar to Part #	cat.#
Heater Block	for Agilent 6850/6890/7890/8890 GC Split/Splitless Injector	ea.	Agilent G1544-20570, G3452-20500	27199



27199

Heater Block Retaining Nuts for Agilent GC Split/Splitless Injectors

Description	Instrument	qty.	Similar to Part #	cat.#
Heater Block Retaining Nut	for Agilent 5890 GCs	ea.	Agilent 19251-20620	22080
	for Agilent 6850/6890/7890/8890 GCs	ea.	Agilent G1544-20590	23042



23042

Heater Cartridge & Platinum Resistance Thermometer (PRT) Sensor for Agilent 5890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Injector/FID Heater and Injector/FID PRT Sensor	for Agilent 5890 GCs	kit	Agilent 05890-61140	22068
Injector/FID Heater	for Agilent 5890 GCs	ea.	Agilent 19231-60620	22069
Injector/FID PRT Sensor	for Agilent 5890 GCs	ea.	Agilent 19231-60660	23035



Heater/Sensor Assembly for Agilent 6850/6890/7890/8890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Heater/Sensor Assembly	for Agilent 6850/6890/7890/8890 GCs	ea.	Agilent G1530-61950, G1530-67950	27200



27200

Hot Swap Capillary Column Nuts for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Instrument	Used with	qty.	cat.#
Hot Swap Capillary Column Nut	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	For use with "compact" Agilent-style ferrules.	ea.	22348
	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	For use with standard 1/16"-type ferrules.	ea.	22347



22347

Hot Swap Column Nut for 1/16" Fittings

Description	qty.	cat.#
Hot Swap Column Nut for 1/16" Fittings	ea.	27224

Note: We recommend you use this product with the capillary installation gauge, (cat.# 27227).



27224



Injection Port Repair Tool for Agilent Split/Splitless Injection Ports

Description	Includes	Instrument	qty.	cat.#
Injection Port Repair Tool	A handle and brush adaptor, 5 medium sanding disks, 5 fine sanding disks, a 6.5 mm bore brush, & a 7 mm bore brush	for Agilent Split/Splitless Injection Ports	ea.	21393



21393

Injector Adaptors for PerkinElmer CAP Injector

Description	Instrument	Material	Used with	qty.	Similar to Part #	cat.#
Injector Adaptor	for PerkinElmer CAP Injector	Stainless Steel	For use with PE-style capillary nuts	ea.	PerkinElmer N6100157	22318
	for PerkinElmer CAP Injector	Siltek-Treated	For use with PE-style capillary nuts	ea.		22320



Injector Nut Kit for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	Material	qty.	cat.#
Injector Nut Kit	for Shimadzu 17A, 2010, 2014, and 2030 GCs	Stainless Steel	kit	21895
	for Shimadzu 17A, 2010, 2014, and 2030 GCs	Siltek-Treated	kit	22331



21895

Injector/Detector Plug Nuts for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Injector/Detector Plug Nuts	for Agilent; Thermo TRACE 1300/1310, 1600/1610 GCs	2-pk.	Agilent 5020-8294	21883



21883

Inlet Adaptor for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Inlet Adaptor	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	Shimadzu 221-42998-00	27222
Inlet Adaptor (Siltek Treated)	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	Shimadzu 221-42998-00	27223



Inlet Adaptor Kit for Dual Column Installation for Agilent Capillary Injectors (Split/Splitless Fitting for Capillary Columns)

Description	qty.	cat.#
Inlet Adaptor Kit for Dual Column Installation for Agilent Capillary Injectors	kit	27185

Note: For best performance, the adaptor should be used with a split liner, such as cat.# 23305 or 23300. This will help ensure the correct insertion distance.



27185

Inlet Liner Packing Tool

Description	qty.	cat.#
Inlet Liner Packing Tool	ea.	20339

Recommended for inlet liners with an ID $\geq$ 2 mm.



20339

Inlet Liner Removal Tool

Description	qty.	cat.#
Inlet Liner Removal Tool	3-pk.	20181



20181

Inlet Liner Seals for Thermo Scientific TRACE PTV

Description	Instrument	qty.	Similar to Part #	cat.#
Inlet Liner Seals	for Thermo Scientific TRACE PTV	2-pk.	Thermo Fisher Scientific 29013417	21392



21392

Inlet Liner Seals for Agilent and Bruker/Varian 1177 Injectors

Description	ID	Material	Max Temp	Used with	qty.	Similar to Part #	cat.#
O-Rings	6.35 mm	Graphite	450 °C	for split liners	10-pk.	Agilent 5180-4168	20296
	6.35 mm	Graphite	450 °C	for split liners	50-pk.	Agilent 5180-4168	20297
	6.5 mm	Graphite	450 °C	for splitless liners	10-pk.	Agilent 5180-4173; Sciex/Bruker/Varian 39-26119-40	20298
	6.5 mm	Graphite	450 °C	for splitless liners	50-pk.	Agilent 5180-4173	20299



20298

Inlet Wrench for Agilent 5890/6850/6890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Inlet Wrench	for Agilent 5890/6850/6890 GCs	ea.	Agilent 19251-00100	22065



22065

**Inlet Wrench** for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Inlet Wrench	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	Shimadzu 221-46977-00	21159

**Inlet Wrench** For Lucidity miniGCs

Description	qty.	cat.#
Inlet Wrench	ea.	29260

**Kalrez Liner O-Ring for 6.3 mm and 6.5 mm OD Liners** For Lucidity miniGCs

Description	Material	Max Temp	qty.	cat.#
Liner O-Ring for 6.3 mm and 6.5 mm OD Liners	Kalrez	300 °C	5-pk.	29258

**Liner Cap Removing Tool** for Thermo Scientific GCs: Focus GC, TRACE GC Ultra & TRACE GC x GC

Description	Instrument	qty.	Similar to Part #	cat.#
Liner Cap Removing Tool	for Thermo Scientific GCs	ea.	Thermo Fisher Scientific 205 070 10	24937

**Liner Nut O-ring** For Lucidity miniGCs

Description	Material	Max Temp	qty.	cat.#
Liner Nut O-ring	Kalrez	300 °C	5-pk.	29259

**Liner Seals** for CIS4 and PTV

Description	Instrument	Max Temp	qty.	Similar to Part #	cat.#
Liner Seals	for CIS4 and PTV	450 °C	5-pk.	Agilent 5182-9749; Gerstel 007541-005-00	22684

**Liner Seals** for Bruker/Varian 1078/1079 GCs

Description	ID	Instrument	Material	Max Temp	qty.	Similar to Part #	cat.#
Liner Seals	5 mm	for Bruker/Varian 1078/1079 GCs	Graphite	450 °C	10-pk.	Scion/Bruker/Varian 392534201, 392611919	22683

**Mini Wool Puller/Inserter**

Description	qty.	cat.#
Mini Wool Puller/Inserter	2-pk.	20114

**MS Interface Nut** for Thermo Scientific ISQ

Description	Instrument	Material	qty.	cat.#
MS Interface Nut	for Thermo Scientific ISQ	Brass (nickel-plated)	5-pk.	23098

**MS Nut** for Shimadzu 2030 GC-MS instruments with QP2020 NX or QP2010 SE mass spectrometers

Description	Instrument	qty.	Similar to Part #	cat.#
MS Nut	for Shimadzu 2030 GC-MS with QP2020 NX or QP2010 SE	2-pk.	Shimadzu 670-11009-00	27217

**Nut for Terminal Fitting** for Thermo Scientific TRACE GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Nut for Terminal Fitting	for Thermo Scientific TRACE GCs	2-pk.	Thermo Fisher Scientific 350 221 25	24896

**Oven Temperature Sensor Assembly** for Agilent GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Oven Temperature Sensor	for Agilent 5890 GCs	ea.	Agilent 05890-61030	23040
	for Agilent 6820/6850/6890/7890 GCs	ea.	Agilent G1530-61030	23039





PTV Inlet Adaptor Kit for Gerstel CIS 3 and CIS 4 PTV Inlets

Description	Instrument	qty.	Similar to Part #	cat.#
PTV Inlet Adaptor Kit for 0.25 and 0.32 mm ID Columns	for Gerstel CIS 3 and CIS 4 PTV Inlets	kit	Gerstel 007259-045-00	22350



22350

PTV Liner Seal Pre-Seat Tool for Gerstel CIS 3 and CIS 4 PTV Inlets

Description	Instrument	qty.	Similar to Part #	cat.#
Liner Seal Pre-Seat Tool	for Gerstel CIS 3 and CIS 4 PTV Inlets	ea.	Gerstel 007542-000-00	22352



22352

PTV Slotted Capillary Column Nut for Gerstel CIS 3 and CIS 4 PTV Inlets

Description	Instrument	qty.	Similar to Part #	cat.#
PTV Slotted Capillary Column Nut	for Gerstel CIS 3 and CIS 4 PTV Inlets	2-pk.	Gerstel 001268-005-00	22349



22349

Replacement Chemical Traps and Parts for Agilent GCs

Description	Includes	Instrument	qty.	Similar to Part #	cat.#
Replacement Split Vent Trap	Built-in frits	for Agilent 6850/6890 GCs	ea.	Agilent G1544-80550	22820
Replacement Chemical Trap	Built-in frits	for Agilent 5890 GCs	ea.	Agilent 05890-61260	21610
Split Vent Line (32-inch)	All installation hardware	for Agilent GCs	2-pk.		22800
O-Rings		for Agilent Trap Fittings	25-pk.	Agilent 5180-4181	22064
Optional Split Vent Trap Assembly	Built-in frits	for Agilent 6850/6890 GCs	kit	Agilent G1544-60610	23031
Replacement Traps (2) and O-Rings (4)	Built-in frits	for Agilent GCs	kit	Agilent 5188-6495, G1544-80530	23032



Built-in frits in cat.#s 22820, 21610, 23031, and 23032 retain fine particles; adsorbents remove both moisture and hydrocarbons.

Replacement Inlet Seal Washers

Description	qty.	Similar to Part #	cat.#
Replacement Inlet Seal Washers	15-pk.	Agilent 5061-5869	21710



21710

Replacement Inlet Seals for Agilent GCs

Description	ID	Instrument	Material	Used with	qty.	Similar to Part #	cat.#
Replacement Inlet Seal	0.8 mm	for Agilent GCs	Stainless Steel	Single-column	2-pk.	Agilent 18740-20880	21315
	0.8 mm	for Agilent GCs	Stainless Steel	Single-column	10-pk.		21316
	0.8 mm	for Agilent GCs	Stainless Steel	Single-column	50-pk.		23417
	0.8 mm	for Agilent GCs	Gold-Plated	Single-column	2-pk.	Agilent 5188-5367	21317
	0.8 mm	for Agilent GCs	Gold-Plated	Single-column	10-pk.	Agilent 5190-2209	21318
	0.8 mm	for Agilent GCs	Gold-Plated	Single-column	50-pk.		23415
	0.8 mm	for Agilent GCs	Siltek-Treated	Single-column	2-pk.		21319
	0.8 mm	for Agilent GCs	Siltek-Treated	Single-column	10-pk.		21320
	0.8 mm	for Agilent GCs	Siltek-Treated	Single-column	50-pk.		23416
	1.2 mm	for Agilent GCs	Stainless Steel	0.25/0.32 mm ID Dual-column	2-pk.		20390
	1.2 mm	for Agilent GCs	Stainless Steel	0.25/0.32 mm ID Dual-column	10-pk.		20391
	1.2 mm	for Agilent GCs	Gold-Plated	0.25/0.32 mm ID Dual-column	2-pk.		21305
	1.2 mm	for Agilent GCs	Gold-Plated	0.25/0.32 mm ID Dual-column	10-pk.		21306
	1.2 mm	for Agilent GCs	Siltek-Treated	0.25/0.32 mm ID Dual-column	2-pk.		21307
	1.2 mm	for Agilent GCs	Siltek-Treated	0.25/0.32 mm ID Dual-column	10-pk.		21308
	1/16-inch	for Agilent GCs	Stainless Steel	0.53 mm ID Dual-Column	2-pk.		20392
	1/16-inch	for Agilent GCs	Stainless Steel	0.53 mm ID Dual-Column	10-pk.		20393





Replacement Inlet Seals for Thermo TRACE 1300/1310, 1600/1610; PerkinElmer Clarus 590/690 GCs

Description	ID	Instrument	Material	Used with	qty.	Similar to Part #	cat.#
Replacement Inlet Seal	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610; PerkinElmer Clarus 590/690 GCs	Gold-Plated	Single-Column Installation	2-pk.	Thermo Fisher Scientific 290GA082	22231
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610; PerkinElmer Clarus 590/690 GCs	Gold-Plated	Single-Column Installation	10-pk.	Thermo Fisher Scientific 290GA081	22232
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Siltek-Treated	Single-Column Installation	2-pk.	Thermo Fisher Scientific 290GA092	22237
	0.8 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Siltek-Treated	Single-Column Installation	10-pk.	Thermo Fisher Scientific 290GA091	22238
	1.2 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Gold-Plated	0.25/0.32 mm ID Dual-Column Installation	2-pk.	Thermo Fisher Scientific 290GA122	22233
	1.2 mm	for Thermo TRACE 1300/1310, 1600/1610 GCs	Gold-Plated	0.25/0.32 mm ID Dual-Column Installation	10-pk.	Thermo Fisher Scientific 290GA121	22234



Replacement Parts for Injection Port Repair Tool for Agilent Split/Splitless Injection Ports

Description	qty.	cat.#
Replacement Bore Brushes (one 6.5 mm & one 7 mm)	2-pk.	21353
Replacement Sanding Disks (5 fine & 5 medium)	10-pk.	22689



Replacement Viton O-Rings for use with the Agilent Flip Top Inlet Sealing System

Description	Instrument	Material	qty.	Similar to Part #	cat.#
Replacement O-Rings	for use with the Agilent Flip Top Inlet Sealing System	Viton	10-pk.	Agilent 5188-5366	22336



Restek Enhanced Capillary Nut for Shimadzu 17A, 2010, 2014, and 2030* GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Restek Enhanced Capillary Nut	for Shimadzu 17A, 2010, 2014, and 2030* GCs	2-pk.	Shimadzu 221-32705-00	20375

* Not compatible with MS detectors; for MS detectors use cat.# 27217.

22336



20375

Retaining Nut for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Retaining Nut	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	Shimadzu 201-30008-00	27225



27225

Silicone O-Rings for PerkinElmer Auto SYS XL or Clarus 580/680 GCs with CAP Injector

Description	Instrument	Material	Max Temp	qty.	Similar to Part #	cat.#
O-Rings	for PerkinElmer Auto SYS XL or Clarus 580/680 w/CAP Injector	Silicone	250 °C	10-pk.	PerkinElmer N6101374	20262



20262

Siltek Septum Packed Purge Port Weldment for Agilent 5890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Siltek Septum Packed Purge Port Weldment	for Agilent 5890 GCs	ea.	Agilent 19243-80570	21691



21691

Siltek Treated Inlet Support Springs for Bruker/Varian 1075/1077 Split Injectors

Description	Instrument	qty.	Similar to Part #	cat.#
Siltek Treated Inlet Support Springs	for Bruker/Varian 1075/1077 Split Injectors	3-pk.	Scion/Bruker/Varian 03-949786-00	21690



21690

Silver PTV Seals for Agilent 6890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Silver PTV Seals	for Agilent 6890 GCs	5-pk.	Agilent 5182-9763; Gerstel 002841-005-00	21409



21409

Silver Seals for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL

Description	Instrument	Used with	qty.	Similar to Part #	cat.#
Silver Seal	for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	for Split/Splitless Injector	10-pk.	Thermo Fisher Scientific 29033629	23057
	for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	for Split/Splitless Injector	20-pk.	Thermo Fisher Scientific 29033629	23058



23057

**The Claw and The Claw Holder Kit**

Description	qty.	cat.#
The Claw Holder Kit (includes The Claw and holder)	kit	26262
The Claw	ea.	26261



26262

Tool-free GC Column Installation Kit for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Includes	Instrument	qty.	cat.#
Tool-free GC Column Installation Kit	inlet adaptor, retaining nut, back washer, and hot swap column nut	for Shimadzu 17A, 2010, 2014, and 2030 GCs	kit	27220
Tool-free GC Column Installation Kit (Siltek Treated)	Siltek-treated inlet adaptor, retaining nut, back washer, and hot swap column nut	for Shimadzu 17A, 2010, 2014, and 2030 GCs	kit	27221



27220

Viton O-Rings for Apex Liners

Description	Material	Max Temp	qty.	cat.#
O-Rings for APEX liners	Viton	250 °C	25-pk.	22067



22067

Viton O-Rings for PerkinElmer PSS Injector

Description	Instrument	Material	Max Temp	qty.	Similar to Part #	cat.#
O-Rings	for PerkinElmer PSS Injector	Viton	250 °C	10-pk.	PerkinElmer N6101747	20366



20366

Viton O-Rings for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	Material	Max Temp	qty.	Similar to Part #	cat.#
O-Rings	for Shimadzu 17A, 2010, 2014, and 2030 GCs	Viton	250 °C	10-pk.	Shimadzu 036-11203-84	24899



24899

Viton O-Rings For Agilent; PE Clarus 590/690; Thermo TRACE 1300/1310, 1600/1610; Varian 1177 GCs

Description	Instrument	Material	Max Temp	qty.	Similar to Part #	cat.#
O-Rings	for Agilent; PE Clarus 590/690; Thermo TRACE 1300/1310, 1600/1610; Varian 1177 GCs	Viton	300 °C	10-pk.	Agilent 5188-5365; PerkinElmer 09926068 (1-pk), L1003161 (5-pk); Thermo Fisher Scientific 29001320	22241
	for Agilent; PE Clarus 590/690; Thermo TRACE 1300/1310, 1600/1610; Varian 1177 GCs	Viton	300 °C	50-pk.		22242



22241

Viton Replacement O-Rings for Septum-Purged Packed Column Port Weldment for Agilent 5890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Viton Replacement O-rings	for Agilent 5890 GCs	10-pk.	Agilent 5080-8898	21685



21685

Cyclo Vu-Tight DI Liners, 1/4-inch OD

Description	OD	qty.	cat.#
Cyclo Vu-Tight DI Liner	1/4"	5-pk.	20788

DI Glass Inserts for Agilent 5890 Packed Column GC

Description	ID	Length	OD	qty.	Similar to Part #	cat.#
DI Glass Inserts	1.7 mm	93 mm	3.0 mm	5-pk.	Agilent 5080-8732, 5181-3382	20967



20967

DI Liner Adaptor for Agilent 5890 Packed Column GC

Description	qty.	Similar to Part #	cat.#
DI Liner Adaptor	ea.	Agilent 19244-80540	21303



20967

DI Uniliner Liners for Agilent 5890 Packed Column GC

Description	ID	Length	OD	qty.	cat.#
DI Uniliner Liner	1.7 mm	93 mm	3.0 mm	5-pk.	20965



20965

**Dual Column *mini*-Lam Direct Injection Tee Kit for 1/4-inch packed column inlets**

Description	Includes	qty.	cat.#
<i>mini</i> -Lam DI Tee Kit	all fittings and ferrules	kit	20436

**Dual Column Direct Injection Tee Kit for 1/4-inch packed column inlets**

Description	Includes	qty.	cat.#
Dual-Column DI Tee Kit	all fittings and ferrules	kit	20412

**Replacement Tee for Dual Column *mini*-Lam Direct Injection Tee Kit**

Description	qty.	cat.#
Replacement 4 mm <i>mini</i> -Lam DI Tee	ea.	20435

Replacement Tee for Dual Column Direct Injection Tee Kit

Description	qty.	cat.#
Replacement Tee for Dual-Column Direct Injection Tee Kit	ea.	20411

Uniliner Liner for 1/4-Inch Packed Injection Port Conversion

Description	Fits Column ID	Includes	qty.	cat.#
Uniliner Liner (large buffer volume chamber: 85 mm long, for injections ≤ 4 μ L)	0.53 mm DI or OC		5-pk.	20305
Cyclo-Uniliner Liner	0.32 & 0.53 mm DI only		5-pk.	20320
Open-Top Uniliner Liner (packed with wool)	0.32 & 0.53 mm DI only		5-pk.	20316
Uniliner Liner Adaptor for injection ports <8 cm		1/4-inch stainless steel nut & graphite ferrule, 1/16-inch stainless steel nut, and 0.8 mm ID graphite ferrule	ea.	20310
Uniliner Liner Adaptor for injection ports 8-15 cm		1/4-inch stainless steel nut & graphite ferrule, 1/16-inch stainless steel nut, and 0.8 mm ID graphite ferrule	ea.	20311
1/4" Ferrules for Uniliner Liner Adaptor			5-pk.	20234



*DI = direct injection, OC = on-column injection

Note: a Uniliner liner must be used with a Uniliner liner adaptor (cat.# 20310 or 20311) for 1/4-inch injection ports. Remember to include a liner adaptor when ordering a Uniliner liner, unless you are purchasing replacement Uniliner liners.

Vu-Tight DI Liners for 1/4-Inch Packed Injection Port Conversion

Description	OD	qty.	cat.#
Vu-Tight DI Liner	1/4"	5-pk.	20343

Vu-Tight Installation Fittings Kit

Description	qty.	cat.#
Vu-Tight Installation Fittings Kit	kit	20504

**Injection Port Weldments for Agilent GCs with Tekmar Purge and Trap Systems**

Description	Instrument	qty.	cat.#
Weldment	for Agilent 5890 GCs	ea.	22666
	for Agilent 6890 GCs	ea.	22664
	for Agilent 6890 GCs with large canister-type filter	ea.	22668

**Injection Port Weldments for Agilent GCs with OI Purge and Trap Systems**

Description	Instrument	qty.	cat.#
Weldment	for Agilent 5890 GCs	ea.	22667
	for Agilent 6890 GCs	ea.	22665
	for Agilent 6890 GCs with large canister-type filter	ea.	22669



**Moisture Control By-Pass Lines** for Tekmar Instruments

Description	Instrument	qty.	cat.#
Moisture Control By-Pass Line	for Tekmar 3000	ea.	21035
	for Tekmar 3100	ea.	21109

21035

**Purge-and-Trap Spargers**

Description	Type	Volume	qty.	cat.#
Sparger	Fritted, 1/2-inch mount	5 mL	ea.	21150
	Fritted, 1/2-inch mount	10 mL	ea.	26138
	Fritted, 1/2-inch mount	25 mL	ea.	21151
	Non-Fritted, 1/2-inch mount	5 mL	ea.	26139
	Non-Fritted, 1/2-inch mount	10 mL	ea.	26140
	Non-Fritted, 1/2-inch mount	25 mL	ea.	26141

21150

**10 mm Premium Non-Stick BTO Septa**

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	10 mm	50-pk.	27088
	10 mm	100-pk.	27089

27088



Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.

10 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	10 mm	50-pk.	Agilent 8010-0205, 8010-0206 (100-pk.)	23878

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

**11 mm Premium Non-Stick BTO Septa**

Description	Diameter	qty.	Similar to Part #	cat.#
Premium Non-stick BTO Septa	11 mm (7/16"), with CenterGuide, predrilled	50-pk.	Agilent 5181-3383-50, 5183-4757, 5183-4761; Thermo Fisher Scientific 31303233	27090
	11 mm (7/16"), with CenterGuide, predrilled	100-pk.	Agilent 5183-4757-100, 5183-4759-100	27091

27090



Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.

11 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	11 mm (7/16"), with CenterGuide	50-pk.	Agilent 5183-4759; PerkinElmer N6621028	23864
	11 mm (7/16"), with CenterGuide	100-pk.	Agilent 5183-4759-100, 5190-3158, 8010-0208, 8010-0216	23865

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

**11.5 mm Premium Non-Stick BTO Septa**

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	11.5 mm, with CenterGuide	50-pk.	27092
	11.5 mm, with CenterGuide	100-pk.	27093

27092



Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.

11.5 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	11.5 mm, with CenterGuide	50-pk.	Agilent 8010-0209	23866
	11.5 mm, with CenterGuide	100-pk.	Agilent 8010-0210	23867

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.





12.7 mm Premium Non-Stick BTO Septa

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	12.7 mm (1/2"), with CenterGuide	48-pk.	27094

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.



12.7 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	12.7 mm (1/2"), with CenterGuide	48-pk.	Agilent 8010-0211 (24-pk.), 8010-0212	23868

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



17 mm Premium Non-Stick BTO Septa

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	17 mm, with CenterGuide	48-pk.	27096

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.



17 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	17 mm, with CenterGuide	48-pk.	Agilent 8010-0213 (24-pk.), 8010-0214	23870

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



23870

5 mm Premium Non-Stick BTO Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Premium Non-stick BTO Septa	5 mm, with CenterGuide, predrilled	50-pk.	Agilent 5181-1260, 5183-4758	27082
	5 mm, with CenterGuide, predrilled	100-pk.		27083

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.



5 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	5 mm (3/16"), with CenterGuide, predrilled	50-pk.	Agilent 5183-4760 (50-pk.)	23860
	5 mm (3/16"), with CenterGuide, predrilled	100-pk.	Agilent 5183-4760 (50-pk.)	23861

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



6 mm Thermolite Plus Septa

Description	Diameter	qty.	cat.#
Thermolite Plus Septa	6 mm (1/4")	50-pk.	23874

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



7 mm Thermolite Plus Septa

Description	Diameter	qty.	cat.#
Thermolite Plus Septa	7 mm	50-pk.	23875

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



8 mm Thermolite Plus Septa

Description	Diameter	qty.	cat.#
Thermolite Plus Septa	8 mm	50-pk.	23876

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.





9 mm Premium Non-Stick BTO Septa

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	9 mm, with CenterGuide	50-pk.	27084
	9 mm, with CenterGuide	100-pk.	27085

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.



9 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	9 mm, with CenterGuide	50-pk.	Agilent 8010-0201	23862
	9 mm, with CenterGuide	100-pk.	Agilent 8010-0202	23863

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



9.5 mm Premium Non-Stick BTO Septa

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	9.5 mm (3/8")	50-pk.	27086
	9.5 mm (3/8")	100-pk.	27087

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.



27086

9.5 mm Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	9.5 mm (3/8")	50-pk.	Agilent 8010-0203, 8010-0204 (100-pk.)	23877

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer. Restek recommends using only BTO septa in older Thermo TRACE and Focus GCs. For Thermo TRACE 1300/1310, 1600/1610 GCs, this recommendation does not apply; septa can be used to their maximum recommended temperature.



Merlin Microseal Adaptor for Thermo TRACE Ultra GCs

Description	Includes	Instrument	Vendor cat.#	qty.	cat.#
Merlin Microseal Adaptor	nut (1); adaptor (1); O-rings (5)	for Thermo TRACE Ultra GCs	85-10	kit	23239



23239

Merlin Microseal Adaptor Kit for SPME Arrow for Shimadzu 2010, 2025, and 2030 GCs

Description	Includes	Instrument	Type	Vendor cat.#	qty.	cat.#
Merlin Microseal Adaptor Kit for SPME Arrow	nut (1); adaptor (1); O-rings (4)	for Shimadzu 2010, 2025, and 2030 GCs	SPME Arrow Application Adaptor Kit (3 to 100 psi)	1000SH	kit	23229



23229

Merlin Microseal Adaptor Kit for SPME Arrow for Thermo TRACE Ultra GCs

Description	Includes	Instrument	Type	Vendor cat.#	qty.	cat.#
Merlin Microseal Adaptor Kit for SPME Arrow	nut (1); adaptors (3); O-rings (4)	for Thermo TRACE Ultra GCs	SPME Arrow Application Adaptor Kit (3 to 100 psi)	1000TU	kit	23231



23231

Merlin Microseal Nut for SPME Arrow for Agilent GCs

Description	Includes	Instrument	Type	Vendor cat.#	qty.	cat.#
Merlin Microseal Nut for SPME Arrow	nut (1)	for Agilent GCs	SPME Arrow Application Nut (3 to 100 psi)	1000AG	ea.	23228



23228

Merlin Microseal Nut for SPME Arrow for Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Includes	Instrument	Type	Vendor cat.#	qty.	cat.#
Merlin Microseal Nut for SPME Arrow	nut (1)	for Thermo TRACE 1300/1310, 1600/1610 GCs	SPME Arrow Application Nut (3 to 100 psi)	1000TS	ea.	23230



23230

Merlin Microseal Replacement Nut for Agilent GCs

Description	Instrument	Vendor cat.#	qty.	Similar to Part #	cat.#
Replacement Microseal Nut	for Agilent GCs	403	ea.	Agilent 5182-3445; Supelco/Millipore Sigma 22582	22809



22809

**Merlin Microseal Replacement Septa**

Description	Type	Vendor cat.#	qty.	Similar to Part #	cat.#
Replacement Microseal	General-Purpose Microseal (most applications, 3 to 100 psi)	410	ea.	Agilent 5182-3444; PerkinElmer N9303345; Supelco/Millipore Sigma 24816-U	22812
	Low-Pressure Microseal (1 to 45 psi)	310	ea.	Agilent 5181-8815; Supelco/Millipore Sigma 22583	22815
	Microseal for Traditional SPME Fiber Applications (3 to 100 psi)	21-01	ea.	Supelco/Millipore Sigma 24818-U	22782
	Microseal for 1.1 mm SPME Arrow Applications (3 to 100 psi)	1100	ea.		23232
	Microseal for 1.5 mm SPME Arrow Applications (3 to 100 psi)	1500	ea.		23233
	Microseal for 26 gauge or 23/26 gauge tapered needles (5 to 100 psi)	610	ea.		22264

**Merlin Microseal Septa for Agilent GCs**

Description	Includes	Instrument	Type	Vendor cat.#	qty.	Similar to Part #	cat.#
Merlin Microseal Septa	nut (1); general-purpose (#410) Microseals (2)	for Agilent GCs	General-Purpose Kit (3 to 100 psi), 2 Seals	404	kit	Agilent 5181-8833; Supelco/Millipore Sigma 24814-U	22810
	nut (1); general-purpose (#410) Microseal (1)	for Agilent GCs	General-Purpose Kit (3 to 100 psi), 1 Seal	405	kit	Agilent 5182-3442; Supelco/Millipore Sigma 24815-U	22811
	nut (1); low-pressure (#310) Microseals (2)	for Agilent GCs	Low-Pressure Kit (1 to 45 psi), 2 Seals	304	kit	Supelco/Millipore Sigma 22581-U	22813
	nut (1); low-pressure (#310) Microseal (1)	for Agilent GCs	Low-Pressure Kit (1 to 45 psi), 1 Seal	305	kit	Agilent 5181-8816; Supelco/Millipore Sigma 22584	22814

**Merlin Microseal Septa for PerkinElmer GCs**

Description	Includes	Instrument	Type	Vendor cat.#	qty.	Similar to Part #	cat.#
Merlin Microseal Septa	nut (1); adaptor (1); O-ring; general-purpose (#410) Microseals (2)	for PerkinElmer GCs	General-Purpose Kit (3 to 100 psi)	51-12	kit	PerkinElmer N9303344	22781



22781

Merlin Microseal Septa for Shimadzu GCs

Description	Includes	Instrument	Type	Vendor cat.#	qty.	cat.#
Merlin Microseal Septa	nut (1); adaptor (1); O-ring (1); general-purpose (#410) Microseals (2)	for Shimadzu GCs	General-Purpose Kit (3 to 100 psi)	61-12	kit	22972



22972

Merlin Microseal Septa for Bruker/Varian GCs

Description	Includes	Instrument	Type	Vendor cat.#	qty.	Similar to Part #	cat.#
Merlin Microseal Septa	nut (1); adaptor (1); O-ring; general-purpose (#410) Microseal (1)	for Bruker/Varian 1078/1079 GCs	General-Purpose Kit	21-11	kit	Supelco/Millipore Sigma 24817-U	22779
	nut (1); adaptor (1); O-ring; general-purpose (#410) Microseal (1)	for Bruker/Varian 1177 GCs	General-Purpose Kit	22-11	kit	Supelco/Millipore Sigma 22609-U	22780

**Merlin Microseal Septa for Thermo TRACE 1300/1310, 1600/1610 GCs**

Description	Includes	Instrument	Type	Vendor cat.#	qty.	cat.#
Merlin Microseal Septa	nut (1); general-purpose (#410) Microseals (2)	for Thermo TRACE 1300/1310, 1600/1610 GCs	General-Purpose Kit (3 to 100 psi)	81-12	kit	22642



22642

Septa Holder Kits for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL

Description	Instrument	Material	qty.	Similar to Part #	cat.#
Septa Holder	for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	Stainless Steel	kit	Thermo Fisher Scientific 23303015, 35005433	21299
	for Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	Silcosteel-AC-Treated	kit	Thermo Fisher Scientific 23303015, 35005433	24972

**Septum Cap for Split/Splitless Injector on Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL**

Description	Instrument	qty.	Similar to Part #	cat.#
Septum Cap	for Split/Splitless Injector on Thermo Scientific TRACE, 8000, 8000 TOP & Focus SSL	ea.	Thermo Fisher Scientific 35001050	24971



24971

Septum Nut for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Septum Nut	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	Shimadzu 221-16325-01	22079



22079

**Septum Nut Removal Tool** for Agilent GCs

Description	Instrument	qty.	cat.#
Septum Nut Removal Tool	for Agilent GCs	ea.	24918



24918

Septum Nuts for Agilent GCs

Description	Instrument	Type	qty.	Similar to Part #	cat.#
Septum Nut	for Agilent GCs	Autosampler & PTV (for 23-gauge needles)	ea.	Agilent 18740-60835	20631
	for Agilent GCs	Manual Injection (for 26-gauge needles)	ea.	Agilent 18740-60835	21309

**Septum Puller**

Description	qty.	cat.#
Septum Puller	ea.	20117



20117

Shimadzu Plug Premium Non-Stick BTO Septa

Description	Diameter	qty.	cat.#
Premium Non-stick BTO Septa	Shimadzu Plug	50-pk.	27098
	Shimadzu Plug	100-pk.	27099

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer.

*For all injectors, minimum recommended operating temperature for BTO septa is 250 °C.



27098

Shimadzu Plug Thermolite Plus Septa

Description	Diameter	qty.	Similar to Part #	cat.#
Thermolite Plus Septa	Shimadzu Plug	50-pk.	Agilent 8010-0215	23872
	Shimadzu Plug	100-pk.	Agilent 8010-0216	23873

Note: Due to differences in inlet design, the actual septum temperature for a given inlet set point can vary by manufacturer.



23872

1/4-Inch Nut Driver

Description	qty.	cat.#
1/4-Inch Nut Driver	ea.	21076



21076

1/4-Inch–3/16-Inch Open-End Wrenches

Description	qty.	cat.#
1/4"–3/16" Open-End Wrenches	2-piece set	20388



20388

12-Piece, Ball-Point Hex Key Set

Description	qty.	cat.#
12-Piece, Ball-Point Hex Key Set	set	22998



22998

4" Tapered Needle Files

Description	qty.	cat.#
4" Tapered Needle Files	2-pk.	20106



20106

5-in-1 Magnetic Screwdriver

Description	qty.	cat.#
5-in-1 Magnetic Screwdriver	set	23002



23002

54-Piece Tool Kit

Description	qty.	cat.#
Tool Kit	kit	23004



23004

**Air Diverter for Agilent GCs**

Description	Instrument	qty.	Similar to Part #	cat.#
Air Diverter	for Agilent 5890/6890/7820/7890/8890 GCs	ea.	Agilent 19247-60510, G1530-80650	22076



22076

Charging Accessories for Restek Electronic Leak Detector (cat.# 28500)

Description	Includes	qty.	cat.#
6-ft USB charging cable		ea.	28501
Charging Kit	6-ft USB charging cable and universal AC power adaptor [U.S., UK, Europe, Australia, Japan]	kit	28502



28502

Cylinder Valve Wrench

Description	qty.	cat.#
Cylinder Valve Wrench	ea.	21321



21321

Dynamic Duo (Restek Leak Detector and ProFLOW 6000 Flowmeter)

Description	Includes	qty.	cat.#
Dynamic Duo Combo Pack (Restek Leak Detector and ProFLOW 6000 Flowmeter)	Restek Electronic Leak Detector (cat.# 28500) & ProFLOW 6000 Flowmeter (cat.# 22656)	kit	22654



22654

FID Maintenance Kits for Agilent GCs

Description	Instrument	qty.	cat.#
FID Maintenance Kit	for Agilent 5890 GCs	kit	22180
	for Agilent 6850/6890/7890 GCs	kit	22179



22180

FID/Injector Cleaning Kit

Description	qty.	cat.#
FID/Injector Cleaning Kit	kit	20120



20120

Flashlight

Description	qty.	cat.#
Flashlight	ea.	22187



22187

Flexible Inspection Light

Description	qty.	cat.#
Flexible Inspection Light	ea.	22627



22627

Gap Inspection Gauge

Description	Vendor cat.#	qty.	cat.#
Gap Inspection Gauge	MS-1G-468	ea.	22624



22624

GC Installation Kit

Description	qty.	cat.#
GC Installation Kit	kit	21325



21325

GC Oven Thermometer

Description	qty.	cat.#
GC Oven Thermometer	ea.	22066



22066

GC-MS Cleaning Kit

Description	qty.	cat.#
Mass Spec Cleaning Kit with Rotary Tool	kit	27194
Mass Spec Cleaning Kit without Rotary Tool	kit	27195

Note: cat.# 27194 contains a rotary tool with a rechargeable Li-ion battery, which requires a 110 V power supply and a US-style (Type A) outlet to charge.



27194

**Inlet Maintenance Kit for Agilent GCs**

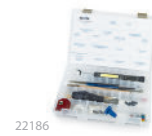
Description	Instrument	qty.	cat.#
Inlet Maintenance Kit	for Agilent 5890/6850/6890/7890 GCs	kit	22181



22181

Make Life Easier (MLE) Capillary Tool Kit for Agilent GCs

Description	Instrument	qty.	cat.#
MLE Capillary Tool Kit	for Agilent GCs	kit	22186



22186

Make Life Easier (MLE) Capillary Tool Kit for Shimadzu GCs

Description	Instrument	qty.	cat.#
MLE Capillary Tool Kit	for Shimadzu GCs	kit	22182



22182

Make Life Easier (MLE) Capillary Tool Kit for older Thermo Scientific TRACE GCs, Focus SSL, and PTV injectors (using M4 ferrules)

Description	Instrument	qty.	cat.#
MLE Capillary Tool Kit	for older Thermo Scientific TRACE GCs, Focus SSL, and PTV injectors (using M4 ferrules)	kit	22183



22183

Make Life Easier (MLE) Capillary Tool Kit for Bruker/Varian GCs

Description	Instrument	qty.	cat.#
MLE Capillary Tool Kit	for Bruker/Varian GCs	kit	22184



22184

Make Life Easier (MLE) Capillary Tool Kit for PerkinElmer GCs

Description	Instrument	qty.	cat.#
MLE Capillary Tool Kit	for PerkinElmer GCs	kit	22185



22185

Make Life Easier (MLE) Capillary Tool Kit for Thermo TRACE 1300/1310, 1600/1610 GCs

Description	Instrument	qty.	cat.#
MLE Capillary Tool Kit	for Thermo TRACE 1300/1310, 1600/1610 GCs	kit	22126

**Metric 9-Piece, Ball-Point Hex Key Set**

Description	qty.	cat.#
Metric 9-Piece, Ball-Point Hex Key Set	set	22999



22999

Metric Wrench Set

Description	qty.	cat.#
Metric Wrench Set	set	22997



22997

Mini Hand Drill Set

Description	qty.	cat.#
Mini Hand Drill Set	3-piece set	20122



20122

Nylon Tube Brushes and Pipe Cleaner

Description	qty.	cat.#
Nylon Tube Brushes and Pipe Cleaner	4-piece set	20108



20108

Open-End Wrench Set

Description	qty.	cat.#
Open-End Wrench Set	set	20387



20387

**Open-End Wrench Set for use with Capillary Installation Gauge** for Shimadzu 17A, 2010, 2014, and 2030 GCs

Description	Instrument	qty.	cat.#
1/4" x 5/16" and 10 mm x 11 mm Open-End Wrench Set for use with Capillary Installation Gauge	for Shimadzu 17A, 2010, 2014, and 2030 GCs	ea.	22334



22334

Open-End Wrenches

Description	Size	qty.	cat.#
Open-End Wrenches	1/4" x 5/16"	2-pk.	20110
	3/8" x 7/16"	2-pk.	22455



20110

Oven Flapper Assemblies for Agilent 5890/6890 GCs

Description	Instrument	qty.	Similar to Part #	cat.#
Oven Flapper Assembly	for Agilent 5890 GCs	ea.	Agilent 05890-80560	22994
	for Agilent 6890 GCs	ea.	Agilent G1530-80560	22995



22995

Oven Shrouds for Agilent 6890/7890 GCs

Description	Instrument	Voltage	qty.	Similar to Part #	cat.#
Oven Shroud	for Agilent 6890/7890 GCs	120 V	ea.	Agilent G1530-61610	27186
	for Agilent 6890/7890 GCs	220 V	ea.	Agilent G1530-61630	27187



27187

Plier Set

Description	qty.	cat.#
Plier Set	set	23033



23033

Power Adaptors for Legacy Restek Electronic Leak Detector (cat.# 22655)

Description	qty.	cat.#
Universal AC Power Adaptor	ea.	22653
Car Charger/Adaptor	ea.	22652



22653

Replacement Cables for Agilent GCs, Integrators, & Autosamplers

Description	Instrument	qty.	Similar to Part #	cat.#
Replacement Cable, 6 ft.	for Agilent GCs, Integrators, & Autosamplers	ea.	Agilent 05890-60800	20652



20652

Replacement Cables for Agilent GCs, Integrators, & Autosamplers

Description	Instrument	qty.	Similar to Part #	cat.#
Replacement Cable, 6 ft.	for Agilent GCs, Integrators, & Autosamplers	ea.	Agilent 05890-61080	20657



20657

Replacement Insulation Gasket and Hardware Kit for Oven Flapper Assemblies for Agilent 5890/6890 GCs

Description	Instrument	qty.	cat.#
Replacement Insulation Gasket and Hardware Kit*	for Agilent 5890/6890 GCs	kit	22996

*Fits Restek's Oven Flapper Assembly only.



22996

Replacement Parts Kit for GC-MS Cleaning Kit

Description	Includes	qty.	cat.#
Mass Spec Cleaning Kit Replacement Parts Kit	cloths, micro mesh sheets, small and large gloves	kit	27196

ResTape PTFE Tape

Description	Color	Used with	qty.	cat.#
ResTape	Green PTFE	Compatible with gaseous or liquid oxygen, and with many other gases and liquids.	ea.	22485
	Grey PTFE	Anti-galling. Compatible with stainless steel and many other metals and polymers.	ea.	22487
	Yellow PTFE	Compatible with a broad range of gases and liquids.	ea.	22486





Restek Electronic Leak Detector

Description	Includes	qty.	cat.#
Restek Electronic Leak Detector	carrying case, universal AC power adaptor [U.S., UK, Europe, Australia, Japan], 6-ft USB charging cable	ea.	28500



28500

Restek ProFLOW 6000 Electronic Flowmeter

Description	qty.	cat.#
Restek ProFLOW 6000 Electronic Flowmeter with Hard-Sided Carrying Case	ea.	22656

Patented



22656

Rethreading Tool

Description	Used with	qty.	cat.#
Rethreading Tool	for 1/16" compression fitting	ea.	23016
	for 1/8" compression fitting	ea.	23017
	for 1/4" compression fittings (Agilent split/splitless injection ports)	ea.	23018
	for 7/16" compression fitting (Bruker/Varian injection ports)	ea.	23019
	for 1/4" Bruker/Varian-style capillary column fittings	ea.	21893



23018

Small Probe Adaptor for Restek Electronic Leak Detector

Description	qty.	cat.#
Small Probe Adaptor for Leak Detector	ea.	22658



22658

Soap Film Bubble Flowmeter

Description	Volume	qty.	cat.#
Soap Film Bubble Flowmeter	1 mL	ea.	20135
	50 mL	ea.	20136



20136

Soft-Sided Storage Case for Restek Leak Detector or ProFLOW 6000 Electronic Flowmeter

Description	qty.	cat.#
Soft-Sided Storage Case for Restek Leak Detector or ProFLOW 6000 Flowmeter	ea.	22657



22657

Stainless Steel Tube Brushes/Surface Brush

Description	qty.	cat.#
Stainless Steel Tube Brushes/Surface Brush	4-piece set	20112



20112

Tee Wrench

Description	Vendor cat.#	qty.	cat.#
Tee Wrench	MS-TW-4	ea.	22623



22623

Torx Screwdriver Set

Description	qty.	cat.#
Torx Screwdriver Set	set	23034

Torx is a registered trademark of Textron Inc.



23034

Universal Cylinder Wrench

Description	qty.	cat.#
Universal Cylinder Wrench	ea.	21322



21322

Valco Ferrule Removal Kit

Description	Vendor cat.#	qty.	cat.#
Ferrule Removal Kit	FRK1	kit	20146



20146

**Wrench Set**

Description	qty.	cat.#
Wrench Set	set	23001

**1/16-Inch Tubing Cutter**

Description	qty.	cat.#
1/16" Tubing Cutter	ea.	20192

**1/16-Inch Tubing Cutting Pliers**

Description	qty.	cat.#
1/16" Tubing Cutting Pliers	ea.	20193

**Cleaned Copper Tubing**

ID	OD	Max Pressure	Wall Thickness	Min Qty	qty.	cat.#
0.065"	1/8"	2800 psig	0.030"	1	50 ft	22628
0.190"	1/4"	1000 psig	0.030"	1	50 ft	22629

**Coiled 316L Grade Stainless Steel Tubing (Treated)**

ID	OD	Wall Thickness	Min Qty	qty.	cat.#
Silcosteel-CR Treated					
0.055" (1.40 mm)	1/8" (3.18 mm)	0.035"	1	6-ft Roll	29091
	1/8" (3.18 mm)	0.035"	1	10-ft Roll	29092
	1/8" (3.18 mm)	0.035"	1	15-ft Roll	29093
	1/8" (3.18 mm)	0.035"	1	20-ft Roll	29094
	1/8" (3.18 mm)	0.035"	1	25-ft Roll	29095
	1/8" (3.18 mm)	0.035"	1	50-ft Roll	29096
	1/8" (3.18 mm)	0.035"	1	100-ft Roll	29097
	1/8" (3.18 mm)	0.035"	101	>100 ft/price per ft	29098
0.180" (4.57 mm)	1/4" (6.35 mm)	0.035"	1	6-ft Roll	29099
	1/4" (6.35 mm)	0.035"	1	10-ft Roll	29100
	1/4" (6.35 mm)	0.035"	1	15-ft Roll	29101
	1/4" (6.35 mm)	0.035"	1	20-ft Roll	29102
	1/4" (6.35 mm)	0.035"	1	25-ft Roll	29103
	1/4" (6.35 mm)	0.035"	1	50-ft Roll	29104
	1/4" (6.35 mm)	0.035"	1	100-ft Roll	29105
	1/4" (6.35 mm)	0.035"	101	>100 ft/price per ft	29106
0.277" (7.04 mm)	3/8" (9.52 mm)	0.049"	1	6-ft Roll	29107
	3/8" (9.52 mm)	0.049"	1	10-ft Roll	29108
	3/8" (9.52 mm)	0.049"	1	15-ft Roll	29109
	3/8" (9.52 mm)	0.049"	1	20-ft Roll	29110
	3/8" (9.52 mm)	0.049"	1	25-ft Roll	29111
	3/8" (9.52 mm)	0.049"	1	50-ft Roll	29112
	3/8" (9.52 mm)	0.049"	1	100-ft Roll	29113
	3/8" (9.52 mm)	0.049"	101	>100 ft/price per ft	29114
Sulfinert Treated					
0.055" (1.40 mm)	1/8" (3.18 mm)	0.035"	1	6-ft Roll	29067
	1/8" (3.18 mm)	0.035"	1	10-ft Roll	29068
	1/8" (3.18 mm)	0.035"	1	15-ft Roll	29069
	1/8" (3.18 mm)	0.035"	1	20-ft Roll	29070
	1/8" (3.18 mm)	0.035"	1	25-ft Roll	29071
	1/8" (3.18 mm)	0.035"	1	50-ft Roll	29072
	1/8" (3.18 mm)	0.035"	1	100-ft Roll	29073
	1/8" (3.18 mm)	0.035"	101	>100 ft/price per ft	29074



Continued



ID	OD	Wall Thickness	Min Qty	qty.	cat.#
0.180" (4.57 mm)	1/4" (6.35 mm)	0.035"	1	6-ft Roll	29075
	1/4" (6.35 mm)	0.035"	1	10-ft Roll	29076
	1/4" (6.35 mm)	0.035"	1	15-ft Roll	29077
	1/4" (6.35 mm)	0.035"	1	20-ft Roll	29078
	1/4" (6.35 mm)	0.035"	1	25-ft Roll	29079
	1/4" (6.35 mm)	0.035"	1	50-ft Roll	29080
	1/4" (6.35 mm)	0.035"	1	100-ft Roll	29081
	1/4" (6.35 mm)	0.035"	101	>100 ft/price per ft	29082
0.277" (7.04 mm)	3/8" (9.52 mm)	0.049"	1	6-ft Roll	29083
	3/8" (9.52 mm)	0.049"	1	10-ft Roll	29084
	3/8" (9.52 mm)	0.049"	1	15-ft Roll	29085
	3/8" (9.52 mm)	0.049"	1	20-ft Roll	29086
	3/8" (9.52 mm)	0.049"	1	25-ft Roll	29087
	3/8" (9.52 mm)	0.049"	1	50-ft Roll	29088
	3/8" (9.52 mm)	0.049"	1	100-ft Roll	29089
	3/8" (9.52 mm)	0.049"	101	>100 ft/price per ft	29090

Coiled Electropolished 316L Grade Stainless Steel Tubing (Treated)

ID	OD	Wall Thickness	Min Qty	qty.	cat.#
Silcoteel-CR Treated					
0.085" (2.16 mm)	1/8" (3.18 mm)	0.020"	1	6-ft Roll	29037
	1/8" (3.18 mm)	0.020"	1	10-ft Roll	29038
	1/8" (3.18 mm)	0.020"	1	15-ft Roll	29039
	1/8" (3.18 mm)	0.020"	1	20-ft Roll	29040
	1/8" (3.18 mm)	0.020"	1	25-ft Roll	29041
	1/8" (3.18 mm)	0.020"	1	50-ft Roll	29042
0.180" (4.57 mm)	1/8" (3.18 mm)	0.020"	61	>60 ft/price per ft	29043
	1/4" (6.35 mm)	0.035"	1	6-ft Roll	29044
	1/4" (6.35 mm)	0.035"	1	10-ft Roll	29045
	1/4" (6.35 mm)	0.035"	1	15-ft Roll	29046
	1/4" (6.35 mm)	0.035"	1	20-ft Roll	29047
	1/4" (6.35 mm)	0.035"	1	25-ft Roll	29048
	1/4" (6.35 mm)	0.035"	1	50-ft Roll	29049
	1/4" (6.35 mm)	0.035"	1	100-ft Roll	29050
0.180" (4.57 mm)	1/4" (6.35 mm)	0.035"	101	>100 ft/price per ft	29051
	Sulfinert Treated				
	1/8" (3.18 mm)	0.020"	1	6-ft Roll	29052
	1/8" (3.18 mm)	0.020"	1	10-ft Roll	29053
	1/8" (3.18 mm)	0.020"	1	15-ft Roll	29054
	1/8" (3.18 mm)	0.020"	1	20-ft Roll	29055
	1/8" (3.18 mm)	0.020"	1	25-ft Roll	29056
	1/8" (3.18 mm)	0.020"	1	50-ft Roll	29057
	1/8" (3.18 mm)	0.020"	61	>60 ft/price per ft	29058
	1/4" (6.35 mm)	0.035"	1	6-ft Roll	29059
	1/4" (6.35 mm)	0.035"	1	10-ft Roll	29060
	1/4" (6.35 mm)	0.035"	1	15-ft Roll	29061
	1/4" (6.35 mm)	0.035"	1	20-ft Roll	29062
	1/4" (6.35 mm)	0.035"	1	25-ft Roll	29063
	1/4" (6.35 mm)	0.035"	1	50-ft Roll	29064
	1/4" (6.35 mm)	0.035"	1	100-ft Roll	29065
	1/4" (6.35 mm)	0.035"	101	>100 ft/price per ft	29066

Note: Required length in meters x 3.2808 = length in feet.



**Coiled Welded/Drawn 304 Grade Stainless Steel Tubing (Sulfinert Treated)**

ID	OD	Wall Thickness	Min Qty	qty.	cat.#
0.011" (0.28 mm)	0.022" (0.56 mm)		1	6-ft Roll	29194
	0.022" (0.56 mm)		1	10-ft Roll	29195
	0.022" (0.56 mm)		1	15-ft Roll	29196
	0.022" (0.56 mm)		1	20-ft Roll	29197
	0.022" (0.56 mm)		1	25-ft Roll	29198
	0.022" (0.56 mm)		1	50-ft Roll	29199
	0.022" (0.56 mm)		1	100-ft Roll	29200
	0.022" (0.56 mm)		101	> 100 ft/price per ft	29201
0.021" (0.53 mm)	0.029" (0.74 mm)		1	6-ft Roll	29202
	0.029" (0.74 mm)		1	10-ft Roll	29203
	0.029" (0.74 mm)		1	15-ft Roll	29204
	0.029" (0.74 mm)		1	20-ft Roll	29205
	0.029" (0.74 mm)		1	25-ft Roll	29206
	0.029" (0.74 mm)		1	50-ft Roll	29207
	0.029" (0.74 mm)		1	100-ft Roll	29208
	0.029" (0.74 mm)		101	> 100 ft/price per ft	29209
0.010" (0.25 mm)	1/16" (1.59 mm)		1	6-ft Roll	29210
	1/16" (1.59 mm)		1	10-ft Roll	29211
	1/16" (1.59 mm)		1	15-ft Roll	29212
	1/16" (1.59 mm)		1	20-ft Roll	29213
	1/16" (1.59 mm)		1	25-ft Roll	29214
	1/16" (1.59 mm)		1	50-ft Roll	29215
	1/16" (1.59 mm)		1	100-ft Roll	29216
	1/16" (1.59 mm)		101	> 100 ft/price per ft	29217
0.020" (0.51 mm)	1/16" (1.59 mm)		1	6-ft Roll	29218
	1/16" (1.59 mm)		1	10-ft Roll	29219
	1/16" (1.59 mm)		1	15-ft Roll	29220
	1/16" (1.59 mm)		1	20-ft Roll	29221
	1/16" (1.59 mm)		1	25-ft Roll	29222
	1/16" (1.59 mm)		1	50-ft Roll	29223
	1/16" (1.59 mm)		1	100-ft Roll	29224
	1/16" (1.59 mm)		101	> 100 ft/price per ft	29225
0.030" (0.76 mm)	1/16" (1.59 mm)		1	6-ft Roll	29226
	1/16" (1.59 mm)		1	10-ft Roll	29227
	1/16" (1.59 mm)		1	15-ft Roll	29228
	1/16" (1.59 mm)		1	20-ft Roll	29229
	1/16" (1.59 mm)		1	25-ft Roll	29230
	1/16" (1.59 mm)		1	50-ft Roll	29231
	1/16" (1.59 mm)		1	100-ft Roll	29232
	1/16" (1.59 mm)		101	> 100 ft/price per ft	29233
0.040" (1.02 mm)	1/16" (1.59 mm)		1	6-ft Roll	29234
	1/16" (1.59 mm)		1	10-ft Roll	29235
	1/16" (1.59 mm)		1	15-ft Roll	29236
	1/16" (1.59 mm)		1	20-ft Roll	29237
	1/16" (1.59 mm)		1	25-ft Roll	29238
	1/16" (1.59 mm)		1	50-ft Roll	29239
	1/16" (1.59 mm)		1	100-ft Roll	29240
	1/16" (1.59 mm)		101	> 100 ft/price per ft	29241
0.085" (2.16 mm)	1/8" (3.18 mm)	0.020"	1	6-ft Roll	29242
	1/8" (3.18 mm)	0.020"	1	10-ft Roll	29243
	1/8" (3.18 mm)	0.020"	1	15-ft Roll	29244
	1/8" (3.18 mm)	0.020"	1	20-ft Roll	29245
	1/8" (3.18 mm)	0.020"	1	25-ft Roll	29246
	1/8" (3.18 mm)	0.020"	1	50-ft Roll	29247
	1/8" (3.18 mm)	0.020"	1	100-ft Roll	29248
	1/8" (3.18 mm)	0.020"	101	> 100 ft/price per ft	29249



Continued



ID	OD	Wall Thickness	Min Qty	qty.	cat.#
0.210" (5.33 mm)	1/4" (6.35 mm)	0.020"	1	6-ft Roll	29250
	1/4" (6.35 mm)	0.020"	1	10-ft Roll	29251
	1/4" (6.35 mm)	0.020"	1	15-ft Roll	29252
	1/4" (6.35 mm)	0.020"	1	20-ft Roll	29253
	1/4" (6.35 mm)	0.020"	1	25-ft Roll	29254
	1/4" (6.35 mm)	0.020"	1	50-ft Roll	29255
	1/4" (6.35 mm)	0.020"	1	100-ft Roll	29256
	1/4" (6.35 mm)	0.020"	101	>100 ft/price per ft	29257

Hi-Duty Tubing Cutter

Description	qty.	cat.#
Hi-Duty Tubing Cutter	ea.	22356



22356

Hydroguard Deactivated Stainless Steel Tubing (Silcosteel Treated)

ID	OD	Wall Thickness	Min Qty	qty.	cat.#
0.010" (0.25 mm)	1/16" (1.59 mm)		1	10-ft Roll	29187
	1/16" (1.59 mm)		1	50-ft Roll	29191
	1/16" (1.59 mm)		1	100-ft Roll	29192
0.020" (0.51 mm)	1/16" (1.59 mm)		1	10-ft Roll	29179
	1/16" (1.59 mm)		1	50-ft Roll	29183
	1/16" (1.59 mm)		1	100-ft Roll	29184
0.030" (0.76 mm)	1/16" (1.59 mm)		1	10-ft Roll	29171
	1/16" (1.59 mm)		1	50-ft Roll	29175
	1/16" (1.59 mm)		1	100-ft Roll	29176
0.040" (1.02 mm)	1/16" (1.59 mm)		1	10-ft Roll	29163
	1/16" (1.59 mm)		1	50-ft Roll	29167
	1/16" (1.59 mm)		1	100-ft Roll	29168
0.085" (2.16 mm)	1/8" (3.18 mm)	0.020"	1	10-ft Roll	29155
	1/8" (3.18 mm)	0.020"	1	50-ft Roll	29159
	1/8" (3.18 mm)	0.020"	1	100-ft Roll	29160
0.055" (1.40 mm)	1/8" (3.18 mm)	0.035"	1	10-ft Roll	29139
	1/8" (3.18 mm)	0.035"	1	50-ft Roll	29143
	1/8" (3.18 mm)	0.035"	1	100-ft Roll	29144
0.085" (2.16 mm)	1/8" (3.18 mm)	0.020"	1	10-ft Roll	29124
	1/8" (3.18 mm)	0.020"	1	50-ft Roll	29128
	1/8" (3.18 mm)	0.020"	61	>60 ft/price per ft	29129



304 Grade Stainless Steel—Maximum continuous lengths are: 2000 ft (1/16" OD) and 1500 ft (1/8" OD).

Seamless 316L Stainless Steel and 316L Stainless Steel, Electropolished—Maximum continuous length is 1500 ft (1/8" OD).

Replacement Cutting Wheels for 1/16-Inch Tubing Cutter

Description	qty.	cat.#
Replacement Cutting Wheels	3-pk.	20185



20185

Replacement Cutting Wheels for Ridgid Tubing Cutter

Description	qty.	cat.#
Replacement Cutting Wheels	2-pk.	23012



23012

Replacement Cutting Wheels for SSI TC-20 Tube Cutting Machine

Description	qty.	cat.#
SSI Replacement Cutting Wheels	3-pk.	23030



23030

Ridgid Tubing Cutter

Description	qty.	cat.#
Ridgid Tubing Cutter for 1/8" or 1/4" metal tubing	ea.	23011

*Not for use with stainless steel tubing.



23011



Rinsed and Cleaned 304 Stainless Steel Tubing

ID	OD	Min Qty	qty.	cat.#
0.01"	1/16"	1	6-ft Roll	29000
	1/16"	1	10-ft Roll	29001
	1/16"	1	15-ft Roll	29002
	1/16"	1	20-ft Roll	29003
	1/16"	1	25-ft Roll	21500
	1/16"	1	50-ft Roll	29004
	1/16"	1	100-ft Roll	29005
	1/16"	101	> 100 ft/price per ft	21502
0.02"	1/16"	1	6-ft Roll	29006
	1/16"	1	10-ft Roll	29007
	1/16"	1	15-ft Roll	29008
	1/16"	1	20-ft Roll	29009
	1/16"	1	25-ft Roll	21503
	1/16"	1	50-ft Roll	29010
	1/16"	1	100-ft Roll	29011
	1/16"	101	> 100 ft/price per ft	21505
0.03"	1/16"	1	6-ft Roll	29012
	1/16"	1	10-ft Roll	29013
	1/16"	1	15-ft Roll	29014
	1/16"	1	20-ft Roll	29015
	1/16"	1	25-ft Roll	21506
	1/16"	1	50-ft Roll	29017
	1/16"	1	100-ft Roll	29018
	1/16"	101	> 100 ft/price per ft	21508
0.04"	1/16"	1	6-ft Roll	29019
	1/16"	1	10-ft Roll	29020
	1/16"	1	15-ft Roll	29021
	1/16"	1	20-ft Roll	29022
	1/16"	1	25-ft Roll	21509
	1/16"	1	50-ft Roll	29023
	1/16"	1	100-ft Roll	29024
	1/16"	101	> 100 ft/price per ft	21511
0.085"	1/8"	1	6-ft Roll	29025
	1/8"	1	10-ft Roll	29026
	1/8"	1	15-ft Roll	29027
	1/8"	1	20-ft Roll	29028
	1/8"	1	25-ft Roll	21512
	1/8"	1	50-ft Roll	29029
	1/8"	1	100-ft Roll	29030
	1/8"	101	> 100 ft/price per ft	21514
0.21"	1/4"	1	6-ft Roll	29031
	1/4"	1	10-ft Roll	29032
	1/4"	1	15-ft Roll	29033
	1/4"	1	20-ft Roll	29034
	1/4"	1	25-ft Roll	21515
	1/4"	1	50-ft Roll	29035
	1/4"	1	100-ft Roll	29036
	1/4"	101	> 100 ft/price per ft	21517



SSI TC-20 Tube Cutting Machine

Description	Certification/Compliance	Includes	qty.	cat.#
SSI Tubing Cutter Machine	CE	1/16" dressing tool (1); cutting wheels (3); 110–120 V fuse/power cord (1); 220–240 V fuse/power cord (1); instructions (1)	ea.	23029

*Unit shipped set for 110–120 operating voltage. Switch to 220–240 volts by using alternate fuse and power cord (included).



Straight Seamless 316L Grade Stainless Steel Tubing (Treated)

ID	OD	Wall Thickness	Min Qty	qty.	cat.#
Silcosteel-CR Treated					
0.055" (1.40 mm)	1/8" (3.18 mm)	0.035"	1	ea.	22898



Continued



ID	OD	Wall Thickness	Min Qty	qty.	cat.#
0.180" (4.57 mm)	1/4" (6.35 mm)	0.035"	1	ea.	22899
0.277" (7.04 mm)	3/8" (9.52 mm)	0.049"	1	ea.	22900
Sulfinert Treated					
0.055" (1.40 mm)	1/8" (3.18 mm)	0.035"	1	ea.	22901
0.180" (4.57 mm)	1/4" (6.35 mm)	0.035"	1	ea.	22902
0.277" (7.04 mm)	3/8" (9.52 mm)	0.049"	1	ea.	22903

Minimum Bend Radius for Coated Tubing (dependent on OD)

OD — Min. Bend Radius

1/16" — 1" (2.5 cm)

1/8" — 2" (5.1 cm)

1/4" — 4" (10.2 cm)

3/8" — 6" (15.2 cm)

Tubing Bender

Description	qty.	cat.#
Tubing Bender	ea.	23009



23009

Tubing Reamer

Description	qty.	cat.#
Tubing Reamer	ea.	20134



20134

Automatic Switchover System for Noncorrosive Gases

Description	Fittings	Material	qty.	cat.#
Automatic Switchover System with Line Regulator	CGA 580 (N ₂ , He, Ar)	Brass	ea.	20668580
	CGA 580 (N ₂ , He, Ar)	Stainless Steel	ea.	21593580
	CGA 350 (H ₂ , P ₂)	Brass	ea.	20668350
	CGA 590 (Air)	Brass	ea.	20668590



20668580

CGA Fittings

Description	Length	qty.	cat.#
CGA 580 Fitting (N ₂ , He, Ar)	3"	ea.	21336
CGA 350 Fitting (H ₂ , P ₂)	3.5"	ea.	21337
CGA 590 Fitting (Air)	3"	ea.	21338



21336

Cylinder Holder, Bench Mounted

Description	qty.	cat.#
Single Cylinder Holder, Bench Mounted	ea.	23421



23421

Cylinder Holders, Wall Mounted

Description	Dimensions	qty.	cat.#
Single Cylinder Holder, Wall Mounted	8" x 2 1/4" x 4 1/4"	ea.	21333
Double Cylinder Holder, Wall Mounted	23 3/4" x 2 1/4" x 4 1/4"	ea.	23400
Triple Cylinder Holder, Wall Mounted	33 3/4" x 2 1/4" x 4 1/4"	ea.	23401
Four Cylinder Holder, Wall Mounted	48 3/4" x 2 1/4" x 4 1/4"	ea.	23402



23402

Dual-Stage Ultra-High Purity Chrome-Plated Brass Gas Regulators with CGA Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Dual-Stage	CGA 580 (N ₂ , He, Ar)	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	21667
	Dual-Stage	CGA 350 (H ₂ , P ₂)	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	21668
	Dual-Stage	CGA 590 (Air)	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	21669



21667

**Dual-Stage Ultra-High Purity Chrome-Plated Brass Gas Regulators** with International Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Dual-Stage	DIN 477 #1 (H ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22369
	Dual-Stage	DIN 477 #6 (He, Ar)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22368
	Dual-Stage	DIN 477 #9 (Air)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22370
	Dual-Stage	DIN 477 #10 (N ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22371
	Dual-Stage	BS 341 #3 (He, Ar, Air, N ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22136
	Dual-Stage	BS 341 #4 (H ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22137

**Dual-Stage Ultra-High Purity Stainless Steel Gas Regulators** with CGA Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Dual-Stage	CGA 580 (N ₂ , He, Ar)	Stainless Steel	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20662
	Dual-Stage	CGA 350 (H ₂ , P ₂)	Stainless Steel	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20663
	Dual-Stage	CGA 590 (Air)	Stainless Steel	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20664



20662

Dual-Stage Ultra-High Purity Stainless Steel Gas Regulators with International Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Dual-Stage	DIN 477 #9 (Air)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22378
	Dual-Stage	DIN 477 #10 (N ₂)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22379
	Dual-Stage	BS 341 #3 (He, Ar, Air, N ₂)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22140
	Dual-Stage	BS 341 #4 (H ₂)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22141

**Flexible Stainless Steel Hoses**

Description	Fittings	Length	qty.	cat.#
Flexible Stainless Steel Hose	1/4" Female NPT	36"	ea.	21339
	1/4" Female NPT	18"	ea.	21340

**Hydrogen Flashback Arrestor**

Description	qty.	cat.#
Hydrogen Flashback Arrestor	ea.	21334



21334

MINICYL Regulator

Description	Fittings	qty.	cat.#
MINICYL Regulator	1/8" Stainless Steel	ea.	27215
	1/8" Brass	ea.	20610
	1/4" Brass	ea.	20611

**Protocol Wall Mounts for Gas Regulators**

Description	Fittings	Material	qty.	cat.#
Protocol Wall Mount for Gas Regulators	CGA 580 (N ₂ , He, Ar)	Chrome-Plated Brass	ea.	21347
	CGA 350 (H ₂ , P ₂)	Chrome-Plated Brass	ea.	21348
	CGA 590 (Air)	Chrome-Plated Brass	ea.	21349
	CGA 580 (N ₂ , He, Ar)	Stainless Steel	ea.	21327

Note: Pressure regulator not included. Order separately.



21347

Single-Stage Ultra-High Purity Chrome-Plated Brass Gas Regulators with CGA Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Single-Stage	CGA 580 (N ₂ , He, Ar)	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20646
	Single-Stage	CGA 350 (H ₂ , P ₂)	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20647
	Single-Stage	CGA 590 (Air)	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20648



20646



Single-Stage Ultra-High Purity Chrome-Plated Brass Gas Regulators with International Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Single-Stage	DIN 477 #1 (H ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22373
	Single-Stage	DIN 477 #6 (He, Ar)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22372
	Single-Stage	DIN 477 #9 (Air)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22374
	Single-Stage	DIN 477 #10 (N ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22375
	Single-Stage	BS 341 #3 (He, Ar, Air, N ₂)	Chrome-Plated Brass	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22138



Single-Stage Ultra-High Purity Stainless Steel Gas Regulators with CGA Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Single-Stage	CGA 580 (N ₂ , He, Ar)	Stainless Steel	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20665
	Single-Stage	CGA 350 (H ₂ , P ₂)	Stainless Steel	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20666
	Single-Stage	CGA 590 (Air)	Stainless Steel	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	20667



Single-Stage Ultra-High Purity Stainless Steel Gas Regulators with International Fittings

Description	Type	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Regulator	Single-Stage	DIN 477 #10 (N ₂)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22447
	Single-Stage	BS 341 #3 (He, Ar, Air, N ₂)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22142
	Single-Stage	BS 341 #4 (H ₂)	Stainless Steel	30", 0 to 14 bar (0–200 psig)	0 to 10 bar (0–150 psig)	ea.	22143



Sulfinert-Treated Regulators (Dual Stage & Single Stage)

Description	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Dual-Stage Regulator	CGA 660 (NO, NO ₂ , SO ₂)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23838
	CGA 330 (H ₂ S and other reduced sulfurs)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23832
	CGA 350 (H ₂ , P ₂)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23834
	CGA 510 (multiple)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23836
Single-Stage Regulator	CGA 660 (NO, NO ₂ , SO ₂)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23839
	CGA 330 (H ₂ S and other reduced sulfurs)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23833
	CGA 350 (H ₂ , P ₂)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23835
	CGA 510 (multiple)	Sulfinert-Treated	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	23837



For other CGA fittings, please contact your local Restek representative.

Ultra-High Purity Chrome-Plated Brass Line Gas Regulator

Description	Fittings	Material	Outlet Gauge	Outlet Pressure	qty.	cat.#
Ultra-High-Purity Line Gas Regulator	1/4" female NPT ports	Chrome-Plated Brass	30", 0 to 100 psig (0–689 kPa)	0 to 50 psig (0–345 kPa)	ea.	21666
	1/4" female NPT ports	Chrome-Plated Brass	30", 0 to 200 psig (0–1,379 kPa)	0 to 150 psig (0–1,034 kPa)	ea.	22452



Parker Ball Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	cat.#
Ball Valve	1/8"	Brass	2A-B2LJ2-BP	ea.	22192
	1/8"	Stainless Steel	2A-B2LJ2-SSP	ea.	22194
	1/4"	Brass	4A-B2LJ2-BP	ea.	22193
	1/4"	Stainless Steel	4A-B2LJ2-SSP	ea.	22195



Parker Ball Valve, 2-Way, Straight (Treated)

Description	Size	Material	Vendor cat.#	qty.	cat.#
Ball Valve, 2-Way, Straight	1/8"	Siltek/Sulfinert-Treated	2A-B2LJ2-SSP-SUL-3445	ea.	21588
	1/4"	Siltek/Sulfinert-Treated	4A-B2LJ2-SSP-SUL-3445	ea.	21589



Parker Metering Gas Valves

Description	Size	Material	Vendor cat.#	qty.	cat.#
Metering Valve, straight	1/8"	Nickel-Plated Brass	2A-NML-BN-B-K	ea.	22200
	1/8"	Stainless Steel	2A-NML-BN-SS-K	ea.	22204
	1/4"	Stainless Steel	4A-NML-BN-SS-K	ea.	22205





Parker Plug Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	cat.#
Plug Valve	1/8"	Brass	2A-PR4-VT-B	ea.	22196
	1/8"	Stainless Steel	2A-PR4-VT-SS	ea.	22198
	1/4"	Brass	4A-PR4-VT-B	ea.	22197



Parker Plug Valve, 2-Way, Straight (Treated)

Description	Size	Material	Vendor cat.#	qty.	cat.#
Plug Valve, 2-Way, Straight	1/8"	Siltek/Sulfinert-Treated	2A-PR4-VT-SS-SUL-3450	ea.	21586
	1/4"	Siltek/Sulfinert-Treated	4A-PR4-VT-SS-SUL-3450	ea.	21587



21586

Parker Toggle Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	cat.#
Toggle Valve	1/8"	Brass	2A-V4LQ-BP	ea.	22188
	1/8"	Stainless Steel	2A-V4LQ-SSP	ea.	22190
	1/4"	Brass	4A-V4LQ-BP	ea.	22189
	1/4"	Stainless Steel	4A-V4LQ-SSP	ea.	22191



Parker Vernier Knob for Metering Gas Valves

Description	Vendor cat.#	qty.	cat.#
Vernier Knob for Metering Valve	KIT-NM/NL-HANDLE-V	ea.	22209



22209

Swagelok 3-Way Ball Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Ball Valve, 3-Way	1/8"	Brass	B-41XS2	ea.	Parker 2A-MB2XPFA-BP	23219
	1/8"	Stainless Steel	SS-41GXS2	ea.	Parker 2A-MB2XPFA-SSP	23217
	1/4"	Brass	B-42XS4	ea.	Parker 4A-MB4XPFA-BP	23220
	1/4"	Stainless Steel	SS-42GXS4	ea.	Parker 4A-MB4XPFA-SSP	23218



Swagelok Ball Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Ball Valve	1/8"	Brass	B-41S2	ea.	Parker 2A-B2LJ2-BP	23144
	1/8"	Stainless Steel	SS-41GS2	ea.	Parker 2A-B2LJ2-SSP	23200
	1/4"	Brass	B-42S4	ea.	Parker 4A-B2LJ2-BP	23145
	1/4"	Stainless Steel	SS-42GS4	ea.	Parker 4A-B2LJ2-SSP	23201



Swagelok Metering Gas Valves

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Metering Valve, straight	1/8"	Chrome-Plated Brass	B-SS2	ea.	Parker 2A-NML-BN-B-K	23148
	1/4"	Chrome-Plated Brass	B-SS4	ea.	Parker 4A-NML-BN-B-K	23149
	1/8"	Stainless Steel	SS-SS2	ea.	Parker 2A-NML-BN-SS-K	23204
	1/4"	Stainless Steel	SS-SS4	ea.	Parker 4A-NML-BN-SS-K	23205



23204

Swagelok Plug Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Plug Valve	1/8"	Brass	B-2P4T	ea.	Parker 2A-PR4-VT-B	23146
	1/8"	Stainless Steel	SS-2P4T	ea.	Parker 2A-PR4-VT-SS	23202
	1/4"	Brass	B-4P4T	ea.	Parker 4A-PR4-VT-B	23147
	1/4"	Stainless Steel	SS-4P4T	ea.	Parker 4A-PR4-VT-SS	23203





Swagelok Toggle Valve Shutoff Gas Valve

Description	Size	Material	Vendor cat.#	qty.	Similar to Part #	cat.#
Toggle Valve	1/8"	Brass	B-0GS2	ea.	Parker 2A-V4LQ-BP	23142
	1/8"	Stainless Steel	SS-0GS2	ea.	Parker 2A-V4LQ-SSP	23198
	1/4"	Brass	B-1GS4	ea.	Parker 4A-V4LQ-BP	23143
	1/4"	Stainless Steel	SS-1GS4	ea.	Parker 4A-V4LQ-SSP	23199



Swagelok Vernier Knob for Metering Gas Valves

Description	Vendor cat.#	qty.	Similar to Part #	cat.#
Vernier Knob for Metering Valve	NY-5K-S	ea.	Parker KIT-NM/NL-HANDLE-V	23206



23206

Notes:

Notes:

Learn more at www.restek.com



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