



**2014 Chromatography
Supplies & Instruments
Catalog**

About Visacon

About Visacon™

Visacon is the brand of Reflect Scientific's chromatography supplies and instruments. For the very first time Visacon offers you, the front line distributor, our wide range of GC (Gas Chromatography) and HPLC (High Performance Liquid Chromatography) consumable products.

In the past we have only offered these products and services to a handful of the largest chromatography instrument companies. This has been done with great success for over 20 years. You have probably purchased our products from one of these well-known companies without knowing it was our product.

We also offer a full range of customizable chromatography consumables to meet your most exacting specifications. We guarantee that you will be satisfied with your purchase.



GC Injector Liners

- ◆ Bruker
- ◆ Varian
- ◆ Agilent (HP)
- ◆ Perkin Elmer
- ◆ Finnigan

Deactivated Split/Splitless Injector Liners




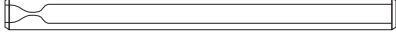
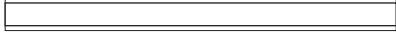
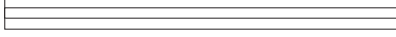
We offer a full line of Split/Splitless and SPI Injector Liners that allow flexibility in analyzing different sample types. A regular schedule of inlet liner replacement will help prevent adsorption problems that can otherwise drastically affect your analysis. All liners are deactivated to meet high performance standards. Each liner is wrapped in ultra clean foil to assure cleanliness from our manufacturing to your laboratory, this is an industry exclusive.

Varian/Bruker GC Deactivated Inlet Liners

CP-1177 Split/Splitless Glass Liners

- Made with a Consistent, High Quality Proprietary Deactivation Process
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays
- Consistent dimensions, tolerances and quality







	Description	Qty	Part#	Price \$
	Gooseneck Split/Splitless 4mm w/ deactivated glass wool	5/pk 25/pk	392611936 392611936-25	OEM
	4mm Split w/ deactivated glass wool	5/pk 25/pk	392611937 392611937-25	OEM
	2mm Splitless w/ deactivated glass wool	5/pk 25/pk	392611938 392611938-25	OEM
	Gooseneck Split/Splitless 4mm	5/pk 25/pk	392611927 392611927-25	OEM
	4mm Split/Splitless	5/pk 25/pk	392611925 392611925-25	OEM
	2mm Splitless	5/pk 25/pk	392611924 392611924-25	OEM
	Graphite O-Rings, 6.5mm ID to fit CP-1177 injector glass liners	5/pk 25/pk	392611940-5 392611940-25	OEM

Varian/Bruker GC Deactivated Inlet Liners

1093/1094 SPI Glass Liners

- Consistent dimensions, tolerances and quality
- Each Liner is deactivated to assure a clean, inert glass surface
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive



	Description	Old Varian Liner #	Qty	Part#	Price \$
	High linearity for 0.25 mm and 0.32 mm ID columns	03-918332-01	5/pk 25/pk	190010906 190010906-25	OEM
	High linearity for 0.53 mm ID columns	03-918332-02	5/pk 25/pk	190010907 190010907-25	OEM
	Packed deactivated glass wool (0.8 mm ID) Injection Volumes	03-918332-03	5/pk 25/pk	392611950 392611950-25	OEM
	With buffer, injection volumes >1 µL	01-900109-08	5/pk 25/pk	190010908 190010908-25	OEM

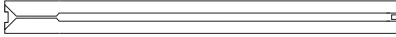


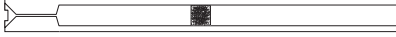


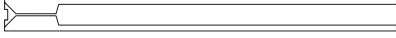
GC Injector Liners

Varian/Bruker GC Deactivated Inlet Liners

1075/1077 Split/Splitless Glass Liners

- Clean, Non-adsorptive/Non-reactive Surface
- Glass Wool is Deactivated With Our Proprietary Deactivation Process
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive



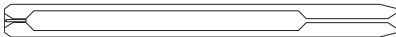

	Description	Old Varian Liner #	Qty	Part#	Price \$
	Splitless	03-949437-90	5/pk 25/pk	190010905 190010905-25	OEM
	Split w/ deactivated FS Wool	01-900109-01	5/pk 25/pk	190010901 190010901-25	OEM
	Laminar Cap Splitter	01-900109-02	5/pk 25/pk	190010902 190010902-25	OEM
	Frit Splitter	16-000830-01	5/pk 25/pk	190010903 190010903-25	OEM
	Baffle Splitter	16-000829-00	5/pk 25/pk	190010904 190010904-25	OEM
	Split, packed with 10% OV-101 On Chromosorb W-HP	03-949809-00	5/pk 25/pk	392611941 392611941-25	OEM
	Split, unpacked	16-000830-00	5/pk 25/pk	392611942 392611942-25	OEM
	Graphite Ferrule 1/4" to fit 1075/1077 Split/Splitless Liners		5/pk 25/pk	392611763-5 392611763-25	OEM

Varian/Bruker GC Deactivated Inlet Liners

1060/1061 Split/Splitless Glass Liners

- Packaged in Ultra Clean, White Non-Plastic Fluted Trays
- Glass Wool is Deactivated With Our Proprietary Deactivation Process
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive
- Made with a Consistent, High Quality Proprietary Deactivation Process



	Description	Old Varian Liner #	Qty	Part#	Price \$
	Glass Flash, Megabore 0.53 mm ID columns universal flash	03-918339-00	5/pk 25/pk	392611943 392611943-25	OEM
	Heated Flash Vaporization injector w/ deactivated glass wool	37-000813-00	5/pk 25/pk	392611944 392611944-25	OEM

GC Injector Liners

Varian/Bruker GC Deactivated Inlet Liners

1078/1079 Split/Splitless Glass Liners

- Enhanced Analytical Precision for Higher Molecular Weight Components
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive
- Consistent Dimensions, Tolerances and Quality
- Proven Silanization Technique, to Ensure Inertness
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays



	Description	Old Varian Liner #	Qty	Part#	Price \$
	Split, open, 3.4 mm ID	03-918464-00	5/pk 25/pk	392611945 392611945-25	OEM
	Split, frit, 3.4 mm ID	03-918464-01	5/pk 25/pk	392611946 392611946-25	OEM
	Splitless, open, 2 mm ID	03-918466-00	5/pk 25/pk	392611947 392611947-25	OEM
	Split, packed with 10% OV-101 on Chromosorb W-HP 80/100	03-918956-00	5/pk 25/pk	392611954 392611954-25	OEM
	SPME, 0.8 mm ID	03-925330-00	5/pk 25/pk	392611948 392611948-25	OEM
	Splitless, open, 0.5 mm ID	03-925331-00	5/pk 25/pk	392611949 392611949-25	OEM
	Split/splitless, w/ deactivated glass wool, 2 mm ID	03-925350-00	5/pk 25/pk	392611953 392611953-25	OEM
	High linearity for 0.25 mm and 0.32 mm ID columns	03-918332-01	5/pk 25/pk	190010906 190010906-25	OEM
	High linearity for 0.53 mm ID columns	03-918332-02	5/pk 25/pk	190010907 190010907-25	OEM
	Capillary Nut for Varian 1078 Injector, Brass Column Scale Nut		5/pk 25/pk	392611911-5 392611911-25	OEM
	Capillary Nut for Varian 1078 Injector, Brass Column Scale Nut		5/pk 25/pk	392611910-5 392611910-25	OEM
	Graphite Ferrules, 5 mm ID to fit 1078 Split/Splitless Injector Liners		5/pk 25/pk	392611919-5 392611919-25	OEM

Varian/Bruker GC Deactivated Inlet Liners

1095/1096/1097/1098 Temperature Programmable Injector Liners (on-column)

- Ultra Clean Foil Wrapped Liners- An Industry Exclusive
- Made with a Consistent, High Quality Proprietary Deactivation Process
- In-house manufacturing that meets/exceeds instrument manufacturer's specs
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays



	Description	Old Varian Liner #	Qty	Part#	Price \$
	Glass Column Guide (3400/3500/3600)	03-917310-00	5/pk 25/pk	392611951 392611951-25	OEM
	Glass Column Guide (3700/6000)	03-908701-00	5/pk 25/pk	392611952 392611952-25	OEM

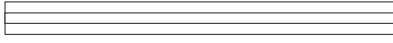
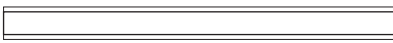
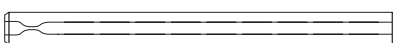
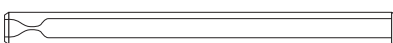
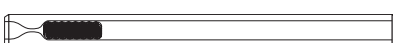
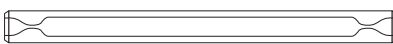
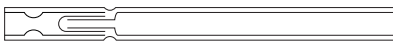






GC Injector Liners

Agilent (HP) GC Deactivated Inlet Liners

Split/Splitless Liners for HP/Finnigan GCs Models 4890, 5880, 5890, 6850, 6890, Finnigan 9001 GCQ

- In-house manufacturing that meets/exceeds instrument manufacturer's specs
- Each Liner is deactivated to assure a clean, inert glass surface
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays
- Made with a Consistent, High Quality Proprietary Deactivation Process



	Description	Similar to HP Liner #	Qty	Part#	Price \$
	2 mm Splitless, 6.5 OD x 78.5 L x 2 mm ID	18740-80220 5181-8818	5/pk 25/pk	39261 1924 39261 1924-25	OEM
	4 mm Splitless, 6.5 OD x 78.5 L x 4 mm ID	18740-80220 5181-8818/4mm	5/pk 25/pk	39261 1925 39261 1925-25	OEM
	2 mm Gooseneck Split/Splitless, 6.5 OD x 78.5 L x 2 mm ID	5181-3316 modified/2mm	5/pk 25/pk	39261 1926 39261 1926-25	OEM
	4 mm Gooseneck Splitless, 6.5 OD x 78.5 L x 4 mm ID	5181-3316	5/pk 25/pk	39261 1927 39261 1927-25	OEM
	4 mm Gooseneck Splitless Packed w/ deactivated FS wool, 6.5 OD x 78.5 L x 4 mm ID	5062-3587	5/pk 25/pk	39261 1928 39261 1928-25	OEM
	4 mm Double Gooseneck Splitless, 6.5 OD x 78.5 L x 4 mm ID	5181-3315	5/pk 25/pk	39261 1929 39261 1929-25	OEM
	Cup unpacked, 6.3 OD x 78.5 L x 4 mm ID	18740-80190	5/pk 25/pk	39261 1931 39261 1931-25	OEM
	Cup, packed w/ deactivated FS wool, 6.3 OD x 78.5 L x 4 mm ID	18740-80190 modified	5/pk 25/pk	39261 1932 39261 1932-25	OEM
	Cup, packed w/10% OV-1 On Chromosorb-W HP, 6.3 OD x 78.5 L x 4 mm ID	18740-60840	5/pk 25/pk	39261 1933 39261 1933-25	OEM
	Split 4mm Packed w/ deactivated FS wool, 6.3 OD x 78.5 L x 4 mm ID	19251-60540	5/pk 25/pk	39261 1934 39261 1934-25	OEM
	4 mm Gooseneck Split/Splitless w/ deactivated glass wool		5/pk 25/pk	39261 1936 39261 1936-25	OEM
	4 mm Split w/ deactivated glass wool		5/pk 25/pk	39261 1937 39261 1937-25	OEM
	2 mm Splitless w/ deactivated glass wool		5/pk 25/pk	39261 1938 39261 1938-25	OEM
	Graphite O-Rings, 6.5 mm ID to fit HP splitless 6.5 mm OD liners		10/pk 100/pk	39261 1930 39261 1930-100	OEM
	Graphite O-Rings, 6.3 mm ID to fit HP split 6.3 mm OD liners	5180-4168	10/pk 100/pk	39261 1935 39261 1935-100	OEM

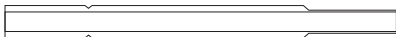
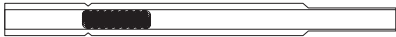
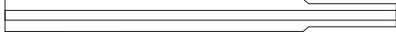
GC Injector Liners

Perkin Elmer GC Deactivated Inlet Liners

Split/Splitless Glass Liners

- Each Liner is deactivated to assure a clean, inert glass surface
- Consistent dimensions, tolerances and quality
- Packaged in Ultra Clean, White Non-Plastic Fluted Trays
- Glass Wool is Deactivated With Our Proprietary Deactivation Process
- Ultra Clean Foil Wrapped Liners- An Industry Exclusive



	Description	Similar to HP Liner #	Qty	Part#	Price \$
	4 mm Split Autosystem, 4 ID x 92 L x 6.2 mm OD	N610-1052	5/pk 25/pk	392611921 392611921-25	OEM
	4 mm Split Autosystem, Packed w/ deactivated Glass Wool, 4 ID x 92 L x 6.2 mm OD	N610-1052 modified	5/pk 25/pk	392611922 392611922-25	OEM
	2 mm Splitless Autosystem, 4 ID x 92 L x 6.2mm OD	N610-1372	5/pk 25/pk	392611923 392611923-25	OEM

Jacketed Graphite Ferrules & Capillary Nuts

- Graphite Ferrules for Capillary Columns, jacketed in brass
- Capillary Nut to Fit Jacketed Ferrules
- Stable to 450°C
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Jacketed Ferrules for Varian 1078 Inj., Brass Jacket, 0.4mm Graphite Ferrule	10/pk 50/pk	392611912 392611912-50	OEM
Jacketed Ferrules for Varian 1078 Inj., Brass Jacket, 0.5mm Graphite Ferrule	10/pk 50/pk	392611913 392611913-50	OEM
Jacketed Ferrules for Varian 1078 Inj., Brass Jacket, 0.8mm Graphite Ferrule	10/pk 50/pk	392611755 392611755-50	OEM
Capillary Nut for Varian 1078 Injector, Brass Column Scale Nut	1/pk 10/pk	392611910 392611911	OEM

Special Graphite Ferrule for Varian Liners, 450°C

- For Varian Split/Splitless 1075/1077/1078 Liners
- Stable to 450°C
- High Density Graphite
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Special 1/4" Graphite Ferrule for Varian Split/Splitless 1075/1077 Liner 394936200	10/pk 50/pk	392611763 392611763-50	OEM
Special 5mm Graphite Ferrule for Varian Split/Splitless 1078 Inj. Liners 392534200	10/pk 50/pk	392611919 392611919-50	OEM

GC Injector Liners

Ultra Clean Graphite Ferrule, 450°C

- Temperature Programmed Conditioning at 400°C
- Fifty Programmed Ramp Ups in GC oven
- Stable to 450°C
- High Density Graphite
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles with Special Yellow "Keep Clean" Label



Description	Qty	Part#	Price \$
Ultra Clean 5mm Preconditioned Graphite Ferrules for Varian, Bruker & Agilent Chromatographs	2/pk 10/pk	392534202 392534201	OEM

Graphite O-Rings

- For Agilent and Varian 1177 Injectors
- Excellent thermal stability at injection port temperatures up to 450°C



Description	Qty	Part#	Price \$
Graphite O-Rings, 6.3mm ID, to fit HP Split 6.3mm OD liners	10/pk 50/pk	392611935 392611935-50	OEM
Graphite O-Rings, 6.5mm ID, Same as HP 5180-4173	10/pk 50/pk	392611930 392611930-50	OEM
Viton O-Rings 250°C One Size Fits Split/ 6.3mm & Splitless/ 6.5mm OD Liners	10/pk 50/pk	392611764 392611764-50	OEM
Graphite O-Rings, 6.5mm I.D. to Fit 1177 Injector, Glass Liners	10/pk 50/pk	392611940 392611940-50	OEM
Graphite O-Rings for Varian and Hp Liners, 450°C, 6.3mm I.D. for Split Liners	10/pk 50/pk	392611761 392611761-50	OEM
Graphite O-Rings for Varian and HP Liners, 6.5mm I.D. for Splitless Liners	10/pk 50/pk	392611762 392611762-50	OEM
Graphite O-Rings for Varian 1177 and HP Liners, 6.5mm I.D.	10/pk 50/pk	392611918 392611918-50	OEM

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

GC Septa

- ◆ Agilent (HP)
- ◆ Varian
- ◆ Bruker
- ◆ Perkin Elmer
- ◆ Antek
- ◆ Finnigan (TMQ)
- ◆ Gow Mac
- ◆ HNU
- ◆ Shimadzu
- ◆ SRI
- ◆ Thermo Scientific
- ◆ Tracor

Septa Reference Chart

Varian/Bruker

Instrument	Septum Diameter (mm)
Packed Column	9.5/10
1177	9
1075/1077/1078/1079/1093/1094 SPI	11.5
1040/1041/1060/1061	9.5
3700 Vista	11
Capillary Injectors	11
Saturn GC/MS	11/11.5

Agilent (HP)

Instrument	Septum Diameter (mm)
HP5750 & Earlier	12.5
5880A, 5890, 6850, 6890, 7890, PTV, Purged Pack Column	11
5700, 5880, 5890, 6890, 6900	9.5
On-Column Injection, Capillary	5

Perkin Elmer

Instrument	Septum Diameter (mm)
Sigma Series	11
900,990	11
8000 Series	11
Auto SYS	11
Auto SYS XL, Clarus 500	11

Shimadzu

Instrument	Septum Diameter (mm)
All Models (14, 15A, 16, 17A)	Plug

Tracor

Instrument	Septum Diameter (mm)
550, 560	9.5
220, 222, 540	12.5

Septa Reference Chart

Finnigan (TMQ)

Instrument	Septum Diameter (mm)
GC 9001, 9600	9.5
GCQ	9.5
QCQ	9.5
TRACE 2000	9.5
9000/9500	12.5

Thermo Scientific

Instrument	Septum Diameter (mm)
TRACE GC/ Focus Split/ Splitless	17
GCQ w/TRACE, PTV	17
8000 Series	17
GCQ, 9100	9.5

Gow Mac

Instrument	Septum Diameter (mm)
All Models	9.5

HNU

Instrument	Septum Diameter (mm)
Portable GC	9.5

Antek

Instrument	Septum Diameter (mm)
All Models	9.5

SRI

Instrument	Septum Diameter (mm)
All Models	Plug

Premium High Temp/Low Bleed Septa, 400°C Max

- Injector Temperature 400°C
- Conditioned For High Sensitivity Analysis
- Lowest Bleed When Tested Against The Competition
- Long Injector Life, 170 + Injections
- Carefully chosen to meet the varied requirements of gas chromatographic analyses
- Packaged in Wide Mouth Glass Bottles



Description	Qty	Part#	Price \$
Premium High Temp/Low Bleed Septa 5 mm (3/16 in.)	50/Pk	392611679	OEM
	100/Pk	392611680	OEM
Premium High Temp/Low Bleed Septa 9 mm (11/32 in.)	50/Pk	392611681	OEM
	100/Pk	392611682	OEM
Premium High Temp/Low Bleed Septa 9.5 mm (3/8 in.)	50/Pk	392611683	OEM
	100/Pk	392611684	OEM
Premium High Temp/Low Bleed Septa 11 mm (7/16 in.)	50/Pk	392611685	OEM
	100/Pk	392611686	OEM
Premium High Temp/Low Bleed Septa 11.5 mm (11/24 in.)	50/Pk	392611687	OEM
	100/Pk	392611688	OEM
Premium High Temp/Low Bleed Septa 12.5 mm (1/2 in.)	50/Pk	392611689	OEM
	100/Pk	392611690	OEM
Premium High Temp/Low Bleed Septa 17 mm (21/32 in.)	50/Pk	392611691	OEM
	100/Pk	392611692	OEM
Premium High Temp/Low Bleed Septa Shimadzu Plug	50/Pk	392611693	OEM
	100/Pk	392611694	OEM

Premium Medium Temperature Septa, 300°C Max

- Heat Stable To 300° C
- Unique Conditioning Process
- Long Injection Life, 125+ Injections
- Low Bleed
- Offer overall dependability in the under 300° C temperature range
- Packaged In Wide Mouth Glass Bottles



Description	Qty	Part#	Price \$
Premium medium temperature septa, 5 mm (3/16 in.)	50/Pk	392611695	OEM
	100/Pk	392611696	OEM
Premium medium temperature septa, 9 mm (11/32 in.)	50/Pk	392611697	OEM
	100/Pk	392611698	OEM
Premium medium temperature septa, 9.5 mm (3/8 in.)	50/Pk	392611699	OEM
	100/Pk	392611701	OEM
Premium medium temperature septa, 11 mm (7/16 in.)	50/Pk	392611702	OEM
	100/Pk	392611703	OEM
Premium medium temperature septa, 11.5 mm (11/24 in.)	50/Pk	392611704	OEM
	100/Pk	392611705	OEM
Premium medium temperature septa, 12.5 mm (1/2 in.)	50/Pk	392611706	OEM
	100/Pk	392611707	OEM
Premium medium temperature septa, 17.0 mm (21/32 in.)	50/Pk	392611708	OEM
	100/Pk	392611709	OEM
Premium medium temperature septa, Shimadzu Plug	50/Pk	392611710	OEM
	100/Pk	392611711	OEM

Premium General Purpose Septa, 250°C Max

- Heat Stable To 250°C
- Isothermal Use, Easy To penetrate
- Long Injection Life, 150+ Injections
- Low cost silicone rubber, designed for low temperature
- Long injector life applications
- Packaged In Wide Mouth Glass Bottles



Description	Qty	Part#	Price \$
Premium General Purpose septa, 5 mm (3/16 in.)	50/Pk	392611712	OEM
	100/Pk	392611713	OEM
Premium General Purpose septa, 9 mm (11/32 in.)	50/Pk	392611714	OEM
	100/Pk	392611715	OEM
Premium General Purpose septa, 9.5 mm (3/8 in.)	50/Pk	392611716	OEM
	100/Pk	392611717	OEM
Premium General Purpose septa, 11 mm (7/16 in.)	50/Pk	392611718	OEM
	100/Pk	392611719	OEM
Premium General Purpose septa, 11.5 mm (11/24 in.)	50/Pk	392611720	OEM
	100/Pk	392611721	OEM
Premium General Purpose septa, 12.5 mm (1/2 in.)	50/Pk	392611722	OEM
	100/Pk	392611723	OEM
Premium General Purpose septa, 17.0 mm (21/32 in.)	50/Pk	392611724	OEM
	100/Pk	392611725	OEM
Premium General Purpose septa, Shimadzu plug	50/Pk	392611726	OEM
	100/Pk	392611727	OEM

Green High Temp/Low Bleed Septa, 350°C Max

- Heat Stable to 350°C
- Packaged In Wide Mouth Glass Bottles
- Long Injector Life



Description	Qty	Part#	Price \$
Green High Temp/Low Bleed Septa, 11 mm	50/pk	392611920	OEM
	100/pk	392611920-100	OEM
Green High Temp/Low Bleed Septa, 9 mm	50/pk	392611736	OEM
	100/pk	392611736-100	OEM

General Purpose Grey Septa, 250°C Max

- Heat Stable To 250°C
- Ease of Penetration
- Long Injection Life, 100+ Injections
- Isothermal Use
- Packaged In Wide Mouth Glass Bottles



Description	Qty	Part#	Price \$
General Purpose Grey Septa 9.5 mm (3/8 in.)	25/Pk	392611728	OEM
	100/Pk	392611729	OEM
General Purpose Grey Septa 11 mm (7/16 in.)	25/Pk	392611730	OEM
	100/Pk	392611731	OEM

Beige Low Bleed Teflon Faced Septa, 250°C Max

- Long Life & Low Bleed
- Silicone Discs With Neutral Teflon Facing
- Packaged in Wide Mouth Glass Bottles



Description	Qty	Part#	Price \$
Beige Low Bleed Standard Teflon Faced Septa 9.5 mm (3/8 in.)	25/Pk	392611737	OEM
	100/Pk	392611738	
Beige Low Bleed Standard Teflon Faced Septa 11 mm (7/16 in.)	25/Pk	392611739	OEM
	100/Pk	392611740	

High Sensitivity Teflon Faced Septa, 250°C Max

- For Low Concentration Samples
- Recommended For FID & ECD Use
- Can Withstand a Large Number of Punctures
- Packaged In Wide Mouth Glass Bottles



Description	Qty	Part#	Price \$
High Sensitivity Teflon Faced Septa 9.5 mm (3/8 in.)	25/Pk	392611732	OEM
	100/Pk	392611733	
High Sensitivity Teflon Faced Septa 11 mm (7/16 in.)	25/Pk	392611734	OEM
	100/Pk	392611735	

High Temperature Thermogreen® Septa, 350°C Max

- Recommended for use in all GC/MS Instruments
- Extremely Low Bleed Septa
- Ideal for Autosamplers



Description	Qty	Part#	Price \$
Thermogreen Septa, 9 mm	5/pk	392598902	OEM
	25/pk	392598903	
Thermogreen Septa, 11 mm (7/16 in.)	5/pk	392035701	OEM
	25/pk	392035702	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Ultra Sensitive High Temp/Low Bleed Septa, 400°C Max

- Injector Temperature 400°C
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.)	50/Pk 100/Pk	40002 40002-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 10 mm	50/Pk 100/Pk	40031 40031-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.)	50/Pk 100/Pk	40003 40003-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.)	50/Pk 100/Pk	40006 40006-100	OEM

Ultra Sensitive High Temp/Low Bleed Septa, 400°C Max (w/ Guide Hole)

- Injector Temperature 400°C
- Guide Hole for Easy Needle Insertion
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.) w/ Guide Hole	50/Pk 100/Pk	40010 40010-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 10 mm w/ Guide Hole	50/Pk 100/Pk	40032 40032-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.) w/ Guide Hole	50/Pk 100/Pk	40011 40011-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.) w/ Guide Hole	50/Pk 100/Pk	40014 40014-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa Shimadzu Plug w/ Guide Hole	50/Pk 100/Pk	392611693US 392611694US	OEM

Ultra Sensitive General Purpose Medium Temp/Low Bleed Septa, 325°C Max

- Injector Temperature 325°C
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.)	50/Pk 100/Pk	40018 40018-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 10 mm	50/Pk 100/Pk	40033 40033-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.)	50/Pk 100/Pk	40019 40019-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.)	50/Pk 100/Pk	40022 40022-100	OEM

Ultra Sensitive General Purpose Medium Temp/Low Bleed Septa, 325°C Max (w/ Guide Hole)

- Injector Temperature 325°C
- Guide Hole for Easy Needle Insertion
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.) w/ Guide Hole	50/Pk 100/Pk	40026 40026-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 10 mm w/ Guide Hole	50/Pk 100/Pk	40034 40034-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.) w/ Guide Hole	50/Pk 100/Pk	40027 40027-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.) w/ Guide Hole	50/Pk 100/Pk	40030 40030-100	OEM

Ultra Sensitive High Temp/Low Bleed Septa, 400°C Max

- Injector Temperature 400°C
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 5 mm (3/16 in.)	50/Pk 100/Pk	40000 40000-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9 mm (11/32 in.)	50/Pk 100/Pk	40001 40001-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.)	50/Pk 100/Pk	40002 40002-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.)	50/Pk 100/Pk	40003 40003-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11.5 mm (11/24 in.)	50/Pk 100/Pk	40004 40004-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 12.5 mm (1/2 in.)	50/Pk 100/Pk	40005 40005-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.)	50/Pk 100/Pk	40006 40006-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa Shimadzu Plug	50/Pk 100/Pk	39261 1693US 39261 1694US	OEM

Ultra Sensitive High Temp/Low Bleed Septa, 400°C Max (w/ Guide Hole)

- Injector Temperature 400°C
- Guide Hole for Easy Needle Insertion
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 5 mm (3/16 in.) w/ Guide Hole	50/Pk 100/Pk	40008 40008-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9 mm (11/32 in.) w/ Guide Hole	50/Pk 100/Pk	40009 40009-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.) w/ Guide Hole	50/Pk 100/Pk	40010 40010-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.) w/ Guide Hole	50/Pk 100/Pk	40011 40011-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11.5 mm (11/24 in.) w/ Guide Hole	50/Pk 100/Pk	40012 40012-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 12.5 mm (1/2 in.) w/ Guide Hole	50/Pk 100/Pk	40013 40013-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.) w/ Guide Hole	50/Pk 100/Pk	40014 40014-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa Shimadzu Plug w/ Guide Hole	50/Pk 100/Pk	39261 1693US 39261 1694US	OEM

Ultra Sensitive General Purpose Medium Temp/Low Bleed Septa, 325°C Max

- Injector Temperature 325°C
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 5 mm (3/16 in.)	50/Pk 100/Pk	40016 40016-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9 mm (11/32 in.)	50/Pk 100/Pk	40017 40017-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.)	50/Pk 100/Pk	40018 40018-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.)	50/Pk 100/Pk	40019 40019-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11.5 mm (11/24 in.)	50/Pk 100/Pk	40020 40020-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 12.5 mm (1/2 in.)	50/Pk 100/Pk	40021 40021-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.)	50/Pk 100/Pk	40022 40022-100	OEM

Ultra Sensitive General Purpose Medium Temp/Low Bleed Septa, 325°C Max (w/ Guide Hole)

- Injector Temperature 325°C
- Guide Hole for Easy Needle Insertion
- Conditioned For High Sensitivity Analysis, Ultra Low Bleed
- Precision Molded, Easy to Pierce
- Premium Platinum Cured Silicone
- Precise Fit, No Flared Edges
- No Ghost Peaks
- Packaged in Ultra Clean Wide Mouth Glass Bottles, Ready to Use



Description	Qty	Part#	Price \$
Ultra Sensitive High Temp/Low Bleed Septa 5 mm (3/16 in.) w/ Guide Hole	50/Pk 100/Pk	40024 40024-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9 mm (11/32 in.) w/ Guide Hole	50/Pk 100/Pk	40025 40025-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 9.5 mm (3/8 in.) w/ Guide Hole	50/Pk 100/Pk	40026 40026-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11 mm (7/16 in.) w/ Guide Hole	50/Pk 100/Pk	40027 40027-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 11.5 mm (11/24 in.) w/ Guide Hole	50/Pk 100/Pk	40028 40028-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 12.5 mm (1/2 in.) w/ Guide Hole	50/Pk 100/Pk	40029 40029-100	OEM
Ultra Sensitive High Temp/Low Bleed Septa 17 mm (21/32 in.) w/ Guide Hole	50/Pk 100/Pk	40030 40030-100	OEM

GC Ferrules

Vespel®/Graphite

Graphite

Vespel®

Teflon®

- ◆ Agilent (HP)
- ◆ Varian
- ◆ Bruker
- ◆ Perkin Elmer
- ◆ Antek
- ◆ Carlo Erba
- ◆ Finnigan (TMQ)
- ◆ Gow Mac
- ◆ HNU
- ◆ Shimadzu
- ◆ SRI
- ◆ Thermo Scientific
- ◆ Tracor
- ◆ All GC's
- ◆ Specialty Application Ferrules
- ◆ Custom Sizes Available

Vespel®/Graphite Ferrules

60% Polyimide (Vespel®) /40% Graphite Ferrules

- Stable to 400°C
- Minimal Torque Required to Seal
- Reusable, One-piece Design, Precision Drilled
- Excellent for Vacuum & High Pressure Applications
- Recommended for Mass Spec Transfer Line
- Offers the Best Combination of Sealing and Easy Workability
- Packaged in "Ultra Clean" Glass Bottles
- Ferrules for Capillary and Standard Columns

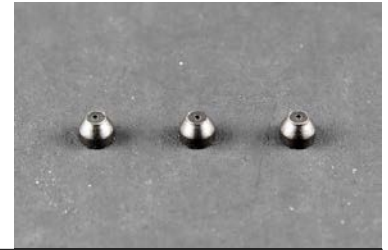


Description	Qty	Part#	Price \$
60% Polyimide (Vespel®)/40% Graphite Ferrule 1/16in. Fitting to 1/16 in. OD Tube	10/pk 50/pk	392611741 392611741-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/16 in. Fitting to No Hole (Blanks)	10/pk 50/pk	392611742 392611742-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/8 in. Fitting to 1/16 in. OD Tube	10/pk 50/pk	392611743 392611743-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/8 in. Fitting to 1/8 in. OD Tube	10/pk 50/pk	392611744 392611744-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/8 in. Fitting to No Hole (Blanks)	10/pk 50/pk	392611745 392611745-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/4 in. Fitting to 1/16 in. OD Tube	10/pk 50/pk	392611746 392611746-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/4 in. Fitting to 1/8 in. OD Tube	10/pk 50/pk	392611747 392611747-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/4 in. Fitting to 1/4 in. OD Tube	10/pk 50/pk	392611748 392611748-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/4 in. Fitting to 6 mm OD Tube	10/pk 50/pk	392611749 392611749-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/4 in. Fitting to No Hole (Blanks)	10/pk 50/pk	392611750 392611750-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.3 mm OD Column	10/pk 50/pk	392611958 392611958-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.4 mm OD Column	10/pk 50/pk	392611959 392611959-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.5 mm OD Column	10/pk 50/pk	392611960 392611960-50	OEM
60% Polyimide (Vespel®)/40% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.8 mm OD Column	10/pk 50/pk	392611961 392611961-50	OEM

Vespel®/Graphite Ferrules

Agilent (HP) Short 60% Polyimide (Vespel®)/40% Graphite Ferrules

- Recommended for use with Agilent (HP) 4890, 5890, 6890 Inlet Systems
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Agilent (HP) Short 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. to 0.4 mm OD Column	10/pk 50/pk	392611787 392611787-50	OEM
Agilent (HP) Short 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. to 0.5 mm OD Column	10/pk 50/pk	392611788 392611788-50	OEM
Agilent (HP) Short 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. to 0.8 mm OD Column	10/pk 50/pk	392611789 392611789-50	OEM

Preconditioned 60% Polyimide (Vespel®)/40% Graphite Ferrules, 400°C

- Stable to 400°C
- Offers the Best Combination of Sealing and Easy Workability
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Preconditioned 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.3 mm OD Column	10/pk 50/pk	392611962 392611962-50	OEM
Preconditioned 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.4 mm OD Column	10/pk 50/pk	392611963 392611963-50	OEM
Preconditioned 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.5 mm OD Column	10/pk 50/pk	392611964 392611964-50	OEM
Preconditioned 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.8 mm OD Column	10/pk 50/pk	392611965 392611965-50	OEM

Two hole 60% Polyimide (Vespel®)/ 40% Graphite Ferrules, 400°C

- Stable to 400°C
- Reusable, One-piece Design, Precision Drilled
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Two Hole 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.5-0.5 mm OD Column	10/pk 50/pk	392611785 392611785-50	OEM
Two Hole 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.8-0.8 mm OD Column	10/pk 50/pk	392611786 392611786-50	OEM
Two Hole 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.3-0.3 mm OD Column	10/pk 50/pk	392611966 392611966-50	OEM
Two Hole 60% Polyimide (Vespel®)/40% Graphite Ferrule, 1/16 in. Fitting to 0.4-0.4 mm OD Column	10/pk 50/pk	392611967 392611967-50	OEM

Vespel®/Graphite Ferrules

Capillary Ferrules for 1/16" Compression-Type Ferrules

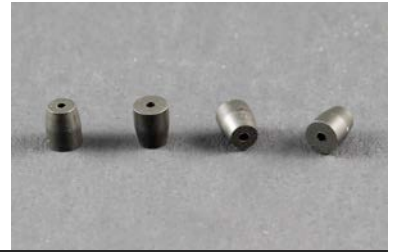
- 60% Polyimide (Vespel®)/ 40% Graphite
- For Agilent Injectors & Detectors; 5890/6890/7890 GCs
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole "Short"	No Hole	10/pk	32100	OEM
		50/pk	32100-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32101	OEM
		50/pk	32101-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32102	OEM
		50/pk	32102-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32103	OEM
		50/pk	32103-50	
1/16" X 0.8 mm	0.53 mm	10/pk	32104	OEM
		50/pk	32104-50	

Standard Capillary 1/16" Ferrules

- 60% Polyimide (Vespel®)/ 40% Graphite
- Ferrules for capillary columns
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32108	OEM
		50/pk	32108-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32109	OEM
		50/pk	32109-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32110	OEM
		50/pk	32110-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32111	OEM
		50/pk	32111-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32112	OEM
		50/pk	32112-50	
1/16" X 0.8 mm	0.45 - 0.53 mm	10/pk	32113	OEM
		50/pk	32113-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32114	OEM
		50/pk	32114-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32115	OEM
		50/pk	32115-50	

Vespel®/Graphite Ferrules

Two Hole 1/16" Ferrules

- 60% Polyimide (Vespel®)/ 40% Graphite
- For 1/16" Compression-Type Fittings
- Use 1/16" Two Hole Ferrules with 1/16" Capillary Adapter Fittings
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" X 0.4 mm (2-hole)	0.2 - 0.25 mm	10/pk	32118	OEM
		50/pk	32118-50	
1/16" X 0.5 mm (2-hole)	0.32 mm	10/pk	32119	OEM
		50/pk	32119-50	
1/16" X 0.8 mm (2-hole)	0.53 mm	10/pk	32120	OEM
		50/pk	32120-50	

Standard, Capillary & Reducing 1/8" Ferrules

- 60% Polyimide (Vespel®)/ 40% Graphite
- Ferrules for Capillary and Standard Columns
- Packaged in "Ultra Clean" Glass Bottles
- Stable to 400°C



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" x No Hole	No Hole	10/pk	32123	OEM
		50/pk	32123-50	
1/8" X 1/8"	1/8" TUBE O.D.	10/pk	32124	OEM
		50/pk	32124-50	
1/8" X 1/16"	1/16" TUBE O.D.	10/pk	32125	OEM
		50/pk	32125-50	
1/8" X 0.4 mm	0.2 - 0.25 mm	10/pk	32126	OEM
		50/pk	32126-50	
1/8" X 0.5 mm	0.32 mm	10/pk	32127	OEM
		50/pk	32127-50	
1/8" X 0.8 mm	0.45 - 0.53 mm	10/pk	32128	OEM
		50/pk	32128-50	
1/8" X 1.0 mm	0.65 mm	10/pk	32129	OEM
		50/pk	32129-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32130	OEM
		50/pk	32130-50	
1/8" X 2.4 mm	2.4 mm O.D. TUBE	10/pk	32131	OEM
		50/pk	32131-50	

Vespel®/Graphite Ferrules

Two Hole 1/8" Ferrules

- 60% Polyimide (Vespel®)/ 40% Graphite
- For 1/8" Compression-Type Fittings
- Use 1/8" Two Hole Ferrules with 1/8" Capillary Adapter Fittings
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 0.5 mm (2-hole)	0.32 mm	10/pk	32134	OEM
		50/pk	32134-50	
1/8" X 0.8 mm (2-hole)	0.53 mm	10/pk	32135	OEM
		50/pk	32135-50	

Standard, Capillary & Reducing 1/4" Ferrules

- 60% Polyimide (Vespel®)/ 40% Graphite
- Ferrules for Capillary and Standard Columns
- Packaged in "Ultra Clean" Glass Bottles
- Stable to 400°C



Description	Fits Column ID	Qty.	Part#	Price \$
1/4" x No Hole	No Hole	10/pk	32138	OEM
		50/pk	32138-50	
1/4" X 1/4"	1/4" TUBE O.D.	10/pk	32139	OEM
		50/pk	32139-50	
1/4" X 1/8"	1/8" TUBE O.D.	10/pk	32141	OEM
		50/pk	32141-50	
1/4" X 1/16"	1/16" TUBE O.D.	10/pk	32142	OEM
		50/pk	32142-50	
1/4" X 3/16"	3/16" TUBE O.D.	10/pk	32143	OEM
		50/pk	32143-50	
1/4" X 0.4 mm	0.2 - 0.25 mm	10/pk	32144	OEM
		50/pk	32144-50	
1/4" X 0.5 mm	0.32 mm	10/pk	32145	OEM
		50/pk	32145-50	
1/4" X 0.8 mm	0.53 mm	10/pk	32146	OEM
		50/pk	32146-50	
1/4" X 1.0 mm	0.65 mm	10/pk	32147	OEM
		50/pk	32147-50	
1/4" X 1.2 mm	0.75 mm	10/pk	32148	OEM
		50/pk	32148-50	
1/4" X 4.0 mm	4.0 mm TUBE O.D.	10/pk	32149	OEM
		50/pk	32149-50	
1/4" X 6.0 mm	6.0 mm TUBE O.D.	10/pk	32150	OEM
		50/pk	32150-50	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

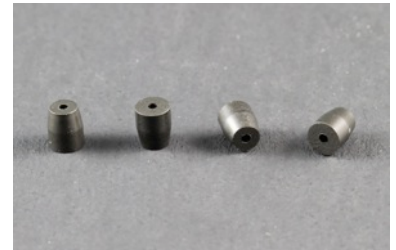
Vespel®/Graphite Ferrules

85% Polyimide (Vespel®) /15% Graphite Ferrules

- Stable to 400°C
- Minimal Torque Required to Seal
- Reusable, One-piece Design, Precision Drilled
- Packaged in "Ultra Clean" Glass Bottles

85%Polyimide (Vespel®)/ 15% Graphite Ferrules, 400°C

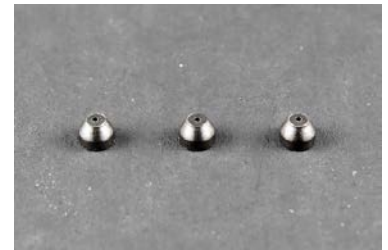
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles
- Excellent for Vacuum & High Pressure Applications



Description	Qty	Part#	Price \$
85% Polyimide (Vespel®)/15% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.3 mm OD Column	10/pk 50/pk	392611790 392611790-50	OEM
85% Polyimide (Vespel®)/15% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.4 mm OD Column	10/pk 50/pk	392611791 392611791-50	OEM
85% Polyimide (Vespel®)/15% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.5 mm OD Column	10/pk 50/pk	392611792 392611792-50	OEM
85% Polyimide (Vespel®)/15% Graphite Ferrule, 400°C, 1/16 in. Fitting to 0.8 mm OD Column	10/pk 50/pk	392611793 392611793-50	OEM

Agilent (HP) Short 85% Polyimide (Vespel®)/15% Graphite Ferrules

- Recommended for use with Agilent (HP) 4890, 5890, 6890 Inlet Systems
- Ferrules for capillary columns
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Agilent (HP) Short 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.4 mm OD Column	10/pk 50/pk	392611903 392611903-50	OEM
Agilent (HP) Short 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.5 mm OD Column	10/pk 50/pk	392611904 392611904-50	OEM
Agilent (HP) Short 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.8 mm OD Column	10/pk 50/pk	392611905 392611905-50	OEM

Vespel®/Graphite Ferrules

Preconditioned 85% Polyimide (Vespel®)/15% Graphite Ferrules

- Preconditioned @ 250°C for 5 Hours
- Recommended for Use with GC/MS
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Preconditioned, 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.3 mm OD Column	10/pk 50/pk	392611794 392611794-50	OEM
Preconditioned, 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.4 mm OD Column	10/pk 50/pk	392611795 392611795-50	OEM
Preconditioned, 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.5 mm OD Column	10/pk 50/pk	392611796 392611796-50	OEM
Preconditioned, 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16 in. to 0.8 mm OD Column	10/pk 50/pk	392611797 392611797-50	OEM

Two hole 85% Polyimide (Vespel®)/15% Graphite Ferrules, 400°C

- Ferrules for capillary columns
- Stable to 400°C
- Offers the Best Combination of Sealing and Easy Workability
- Packaged in "Ultra Clean" Glass Bottles

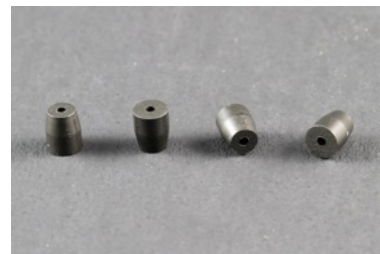


Description	Qty	Part#	Price \$
Two Hole 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16in. to 0.3-0.3 mm OD Column	10/pk 50/pk	392611798 392611798-50	OEM
Two Hole 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16in. to 0.4-0.4 mm OD Column	10/pk 50/pk	392611799 392611799-50	OEM
Two Hole 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16in. to 0.5-0.5 mm OD Column	10/pk 50/pk	392611901 392611901-50	OEM
Two Hole, 85% Polyimide (Vespel®)/15% Graphite Ferrule, 1/16in. to 0.8-0.8 mm OD Column	10/pk 50/pk	392611902 392611902-50	OEM

Vespel®/Graphite Ferrules

Capillary Ferrules for 1/16" Compression-Type Ferrules

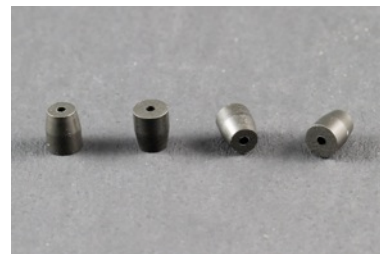
- 85% Polyimide (Vespel®)/ 15% Graphite
- For Agilent Injectors & Detectors; 5890/6890/7890 GCs
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole "Short"	No Hole	10/pk	32047	OEM
		50/pk	32047-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32048	OEM
		50/pk	32048-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32049	OEM
		50/pk	32049-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32050	OEM
		50/pk	32050-50	
1/16" X 0.8 mm	0.53 mm	10/pk	32051	OEM
		50/pk	32051-50	

Standard Capillary Ferrules

- 85% Polyimide (Vespel®)/ 15% Graphite
- Stable to 400°C
- Ferrules for Capillary and Standard Columns
- Packaged in "Ultra Clean" Glass Bottles

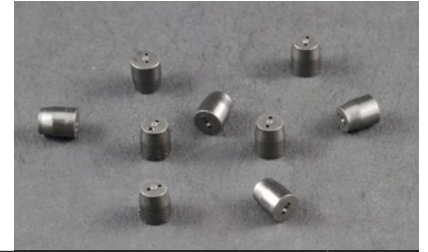


Description	Fits Column ID	Qty.	Part#	Price \$
1/16" Standard x No Hole	No Hole	10/pk	32055	OEM
		50/pk	32055-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32056	OEM
		50/pk	32056-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32057	OEM
		50/pk	32057-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32058	OEM
		50/pk	32058-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32059	OEM
		50/pk	32059-50	
1/16" X 0.8 mm	0.45 - 0.53 mm	10/pk	32060	OEM
		50/pk	32060-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32061	OEM
		50/pk	32061-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32062	OEM
		50/pk	32062-50	

Vespel®/Graphite Ferrules

Two Hole Capillary Ferrules

- 85% Polyimide (Vespel®)/ 15% Graphite
- Stable to 400°C
- Ferrules for Capillary and Standard Columns
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" X 0.4 mm (2-hole)	0.2 - 0.25 mm	10/pk	32065	OEM
		50/pk	32065-50	
1/16" X 0.5 mm (2-hole)	0.32 mm	10/pk	32066	OEM
		50/pk	32066-50	
1/16" X 0.8 mm (2-hole)	0.53 mm	10/pk	32067	OEM
		50/pk	32067-50	

Standard, Capillary & Reducing 1/8" Ferrules

- 85% Polyimide (Vespel®)/ 15% Graphite
- Reusable, One-piece Design, Precision Drilled
- Packaged in "Ultra Clean" Glass Bottles
- Stable to 400°C

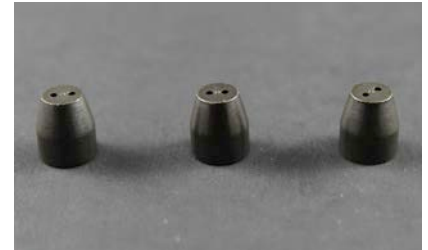


Description	Fits Column ID	Qty.	Part#	Price \$
1/8" x No Hole	No Hole	10/pk	32073	OEM
		50/pk	32073-50	
1/8" X 1/8"	1/8" TUBE O.D.	10/pk	32074	OEM
		50/pk	32074-50	
1/8" X 1/16"	1/16" TUBE O.D.	10/pk	32075	OEM
		50/pk	32075-50	
1/8" X 0.4 mm	0.2 - 0.25 mm	10/pk	32076	OEM
		50/pk	32076-50	
1/8" X 0.5 mm	0.32 mm	10/pk	32077	OEM
		50/pk	32077-50	
1/8" X 0.8 mm	0.45 - 0.53 mm	10/pk	32078	OEM
		50/pk	32078-50	
1/8" X 1.0 mm	0.65 mm	10/pk	32079	OEM
		50/pk	32079-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32080	OEM
		50/pk	32080-50	
1/8" X 2.4 mm	2.4 mm TUBE O.D.	10/pk	32081	OEM
		50/pk	32081-50	

Vespel®/Graphite Ferrules

Two Hole 1/8" Ferrules

- 85% Polyimide (Vespel®)/ 15% Graphite
- Ferrules for capillary columns
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 0.5 mm (2-hole)	0.32 mm	10/pk	32084	OEM
		50/pk	32084-50	
1/8" X 0.8 mm (2-hole)	0.53 mm	10/pk	32085	OEM
		50/pk	32085-50	

Standard, Capillary & Reducing 1/4" Ferrules

- 85% Polyimide (Vespel®)/ 15% Graphite
- Excellent for Vacuum & High Pressure Applications
- Stable to 400°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/4" x No Hole	No Hole	10/pk	32088	OEM
		50/pk	32088-50	
1/4" X 1/4"	1/4" TUBE O.D.	10/pk	32089	OEM
		50/pk	32089-50	
1/4" X 1/8"	1/8" TUBE O.D.	10/pk	32090	OEM
		50/pk	32090-50	
1/4" X 1/16"	1/16" TUBE O.D.	10/pk	32091	OEM
		50/pk	32091-50	
1/4" X 3/16"	3/16" TUBE O.D.	10/pk	32092	OEM
		50/pk	32092-50	
1/4" X 0.4 mm	0.2 - 0.25 mm	10/pk	32093	OEM
		50/pk	32093-50	
1/4" X 0.5 mm	0.32 mm	10/pk	32094	OEM
		50/pk	32094-50	
1/4" X 0.8 mm	0.53 mm	10/pk	32095	OEM
		50/pk	32095-50	
1/4" X 1.0 mm	0.65 mm	10/pk	32096	OEM
		50/pk	32096-50	
1/4" X 1.2 mm	0.75 mm	10/pk	32097	OEM
		50/pk	32097-50	
1/4" X 4.0 mm	4.0 mm TUBE O.D.	10/pk	32098	OEM
		50/pk	32098-50	
1/4" X 6.0 mm	6.0 mm TUBE O.D.	10/pk	32099	OEM
		50/pk	32099-50	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Graphite Ferrules

Graphite Ferrules

- Stable to 450°C
- High Purity Graphite, Preferred for Capillary GC Use
- High Density Graphite
- Preconditioned to Eliminate Out-Gassing
- Contains No Binders that can Out-Gas or Absorb Analytes
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Graphite Ferrules, 450°C

Description	Qty	Part#	Price \$
Graphite Ferrules, 450°C, 1/16 in. Fitting to 1/16 in. OD Tube	10/pk	392611751	OEM
	50/pk	392611751-50	
Graphite Ferrules, 450°C, 1/16 in. Fitting to 1.0 mm OD Tube	10/pk	392611752	OEM
	50/pk	392611752-50	
Graphite Ferrules, 450°C, 1/8 in. Fitting Reducing to 1/16 in. OD Tube	10/pk	392611753	OEM
	50/pk	392611753-50	
Graphite Ferrules, 450°C, 1/8 in. Fitting to 1/8 in. OD Tube	10/pk	392611754	OEM
	50/pk	392611754-50	
Graphite Ferrules, 450°C, 1/4 in. Fitting Reducing to 1/16 in. OD Tube	10/pk	392611756	OEM
	50/pk	392611756-50	
Graphite Ferrules, 450°C, 1/4 in. Fitting Reducing to 1/8 in. OD Tube	10/pk	392611757	OEM
	50/pk	392611757-50	
Graphite Ferrules, 450°C, 1/4 in. Fitting to 1/4 in. OD Tube	10/pk	392611758	OEM
	50/pk	392611758-50	
Graphite Ferrules, 450°C, 1/4 in. Fitting Reducing to 6 mm OD Tube	10/pk	392611759	OEM
	50/pk	392611759-50	
Graphite Ferrules, 450°C, 1/16 in. Fitting to 0.3 mm OD Column	10/pk	392611906	OEM
	50/pk	392611906-50	
Graphite Ferrules, 450°C, 1/16 in. Fitting to 0.4 mm OD Column	10/pk	392611907	OEM
	50/pk	392611907-50	
Graphite Ferrules, 450°C, 1/16 in. Fitting to 0.5 mm OD Column	10/pk	392611908	OEM
	50/pk	392611908-50	
Graphite Ferrules, 450°C, 1/16 in. Fitting to 0.8 mm OD Column	10/pk	392611909	OEM
	50/pk	392611909-50	

Agilent (HP), Short Graphite Ferrules, 450°C

- Recommended for Use with Agilent (HP) 4890, 5890, 6890 Inlet Systems
- Stable to 450°C
- Does not stick to Glass or Fused Silica



Description	Qty	Part#	Price \$
Agilent (HP) Short Graphite Ferrules, 1/16 in. Fitting to 0.4 mm OD Column	10/pk	392611914	OEM
	50/pk	392611914-50	
Agilent (HP) Short Graphite Ferrules, 1/16 in. Fitting to 0.5 mm OD Column	10/pk	392611915	OEM
	50/pk	392611915-50	
Agilent (HP) Short Graphite Ferrules, 1/16 in. Fitting to 0.8 mm OD Column	10/pk	392611916	OEM
	50/pk	392611916-50	

Graphite Ferrules

Jacketed Graphite Ferrules & Capillary Nuts

- Graphite Ferrules for Capillary Columns, jacketed in brass
- Capillary Nut to Fit Jacketed Ferrules
- Stable to 450°C
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Jacketed Ferrules for Varian 1078 Inj., Brass Jacket, 0.4 mm Graphite Ferrule	10/pk 50/pk	392611912 392611912-50	OEM
Jacketed Ferrules for Varian 1078 Inj., Brass Jacket, 0.5 mm Graphite Ferrule	10/pk 50/pk	392611913 392611913-50	OEM
Jacketed Ferrules for Varian 1078 Inj., Brass Jacket, 0.8 mm Graphite Ferrule	10/pk 50/pk	392611755 392611755-50	OEM
Capillary Nut for Varian 1078 Injector, Brass Column Scale Nut	1/pk 10/pk	392611910 392611911	OEM

Graphite O-Rings

- For Agilent and Varian 1177 Injectors
- Excellent thermal stability at injection port temperatures up to 450°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Graphite O-rings, 6.3 mm ID, to fit HP Split 6.3 mm OD liners	10/pk 50/pk	392611935 392611935-50	OEM
Graphite O-rings, 6.5 mm ID, Same as HP 5180-4173	10/pk 50/pk	392611930 392611930-50	OEM
Viton O-Rings 250°C One Size Fits Split/ 6.3 mm & Splitless/ 6.5 mm OD Liners	10/pk 50/pk	392611764 392611764-50	OEM
Graphite O-rings, 6.5 mm I.D. to Fit 1177 Injector, Glass Liners	10/pk 50/pk	392611940 392611940-50	OEM
Graphite O-Rings for Varian and Hp Liners, 450°C, 6.3 mm I.D. for Split Liners	10/pk 50/pk	392611761 392611761-50	OEM
Graphite O-Rings for Varian and HP Liners, 6.5 mm I.D. for Splitless Liners	10/pk 50/pk	392611762 392611762-50	OEM
Graphite O-Rings for Varian 1177 and HP Liners, 6.5 mm I.D.	10/pk 50/pk	392611918 392611918-50	OEM

Graphite Ferrules

Special Graphite Ferrule for Varian Liners, 450°C

- For Varian Split/Splitless 1075/1077/1078 Liners
- Stable to 450°C
- High Density Graphite
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Special 1/4 in. Graphite Ferrule for Varian Split/Splitless 1075/1077 Liner 394936200	10/pk 50/pk	392611763 392611763-50	OEM
Special 5 mm Graphite Ferrule for Varian Split/Splitless 1078 Inj. Liners 392534200	10/pk 50/pk	392611919 392611919-50	OEM

Capillary Graphite Ferrules for 1/16" Compression-Type Ferrules

- For Agilent Injectors & Detectors; 5890/6890/7890 GCs
- Stable to 450°C
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole "Short"	No Hole	10/pk 50/pk	32151 32151-50	OEM
1/16" X 0.3 mm	0.1 mm	10/pk 50/pk	32152 32152-50	OEM
1/16" X 0.4 mm	0.2-0.25 mm	10/pk 50/pk	32153 32153-50	OEM
1/16" X 0.5 mm	0.32 mm	10/pk 50/pk	32154 32154-50	OEM
1/16" X 0.8 mm	0.53 mm	10/pk 50/pk	32155 32155-50	OEM
1/16" X 1.0 mm	0.65 mm	10/pk 50/pk	32156 32156-50	OEM

Short Graphite Ferrules HP Style

- For Agilent Injectors & Columns
- Stable to 450°C
- High Purity Graphite, Preferred for Capillary GC Use
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" X 0.4 mm	0.2-0.25 mm	10/pk 50/pk	32160 32160-50	OEM
1/16" X 0.5 mm	0.32 mm	10/pk 50/pk	32161 32161-50	OEM
1/16" X 0.8 mm	0.53 mm	10/pk 50/pk	32162 32162-50	OEM
1/16" X 1.0 mm	0.65 mm	10/pk 50/pk	32163 32163-50	OEM
1/16" X 1.2 mm	0.75 mm	10/pk 50/pk	32164 32164-50	OEM

Graphite Ferrules

Standard Graphite Capillary 1/16" Ferrules

- Stable to 450°C
- High Purity Graphite, Preferred for Capillary GC Use
- High Density Graphite
- Preconditioned to Eliminate Out-Gassing
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32167	OEM
		50/pk	32167-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32168	OEM
		50/pk	32168-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32169	OEM
		50/pk	32169-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32170	OEM
		50/pk	32170-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32171	OEM
		50/pk	32171-50	
1/16" X 0.8 mm	0.45 - 0.53 mm	10/pk	32172	OEM
		50/pk	32172-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32173	OEM
		50/pk	32173-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32174	OEM
		50/pk	32174-50	

1/16" Long Graphite Capillary Column Ferrules

- Height = .150"
- Stable to 450°C
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32188	OEM
		50/pk	32188-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32189	OEM
		50/pk	32189-50	
1/16" X 0.4 mm	0.25 mm	10/pk	32190	OEM
		50/pk	32190-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32191	OEM
		50/pk	32191-50	
1/16" X 0.8 mm	0.53 mm	10/pk	32192	OEM
		50/pk	32192-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32193	OEM
		50/pk	32193-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32194	OEM
		50/pk	32194-50	

Graphite Ferrules

1/16" Extra Long Graphite Capillary Column Ferrules

- Height = .157"
- Stable to 450°C
- High Purity/Density Graphite, Preferred for Capillary GC Use
- Preconditioned to Eliminate Out-Gassing
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32178	OEM
		50/pk	32178-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32179	OEM
		50/pk	32179-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32180	OEM
		50/pk	32180-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32181	OEM
		50/pk	32181-50	
1/16" X 0.8 mm	0.53 mm	10/pk	32182	OEM
		50/pk	32182-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32183	OEM
		50/pk	32183-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32184	OEM
		50/pk	32184-50	

1/16" Long Taper, Graphite Capillary Column Ferrules

- Height = .180"
- Stable to 450°C
- Contains No Binders that can Out-Gas or Absorb Analytes
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32198	OEM
		50/pk	32198-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32199	OEM
		50/pk	32199-50	
1/16" X 0.4 mm	0.25 mm	10/pk	32200	OEM
		50/pk	32200-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32201	OEM
		50/pk	32201-50	
1/16" X 0.8 mm	0.53 mm	10/pk	32202	OEM
		50/pk	32202-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32203	OEM
		50/pk	32203-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32204	OEM
		50/pk	32204-50	

Graphite Ferrules

Two Hole Graphite 1/16" Ferrules

- Stable to 450°C
- High Purity Graphite, Preferred for Capillary GC Use
- High Density Graphite
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" X 0.4 mm (2-hole)	0.2 - 0.25 mm	10/pk	32207	OEM
		50/pk	32207-50	
1/16" X 0.5 mm (2-hole)	0.32 mm	10/pk	32208	OEM
		50/pk	32208-50	
1/16" X 0.8 mm (2-hole)	0.53 mm	10/pk	32209	OEM
		50/pk	32209-50	

Standard, Graphite Capillary & Reducing 1/8" Ferrules

- Stable to 450°C
- Preconditioned to Eliminate Out-Gassing
- Contains No Binders that can Out-Gas or Absorb Analytes
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" x No Hole	No Hole	10/pk	32215	OEM
		50/pk	32215-50	
1/8" X 1/8"	1/8" TUBE O.D.	10/pk	32216	OEM
		50/pk	32216-50	
1/8" X 1/16"	1/16" TUBE O.D.	10/pk	32217	OEM
		50/pk	32217-50	
1/8" X 0.4 mm	0.2 - 0.25 mm	10/pk	32218	OEM
		50/pk	32218-50	
1/8" X 0.5 mm	0.32 mm	10/pk	32219	OEM
		50/pk	32219-50	
1/8" X 0.8 mm	0.45-0.53 mm	10/pk	32220	OEM
		50/pk	32220-50	
1/8" X 1.0 mm	0.65 mm	10/pk	32221	OEM
		50/pk	32221-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32222	OEM
		50/pk	32222-50	

Graphite Ferrules

1/8" Graphite Ferrule

- Length = 0.265"
- Stable to 450°C
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" x No Hole	No Hole	10/pk	32226	OEM
		50/pk	32226-50	
1/8" X 1/8"	1/8" TUBE O.D.	10/pk	32227	OEM
		50/pk	32227-50	
1/8" X 1/16"	1/16" TUBE O.D.	10/pk	32228	OEM
		50/pk	32228-50	
1/8" X 0.4 mm	0.25 mm	10/pk	32229	OEM
		50/pk	32229-50	
1/8" X 0.5 mm	0.32 mm	10/pk	32230	OEM
		50/pk	32230-50	
1/8" X 0.8 mm	0.53 mm	10/pk	32231	OEM
		50/pk	32231-50	
1/8" X 1.0 mm	0.65 mm	10/pk	32232	OEM
		50/pk	32232-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32233	OEM
		50/pk	32233-50	

1/8" Graphite Ferrule (With Tail)

- Length = 0.300"
- Stable to 450°C
- High Density Graphite
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 1/16"	1/16" TUBE O.D.	10/pk	32237	OEM
		50/pk	32237-50	
1/8" X 0.4 mm	0.25 mm	10/pk	32238	OEM
		50/pk	32238-50	
1/8" X 0.5 mm	0.32 mm	10/pk	32239	OEM
		50/pk	32239-50	
1/8" X 0.8 mm	0.53 mm	10/pk	32240	OEM
		50/pk	32240-50	
1/8" X 1.0 mm	0.65 mm	10/pk	32241	OEM
		50/pk	32241-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32242	OEM
		50/pk	32242-50	

Graphite Ferrules

1/8" Graphite Front Ferrules

- Length = 0.200"
- Stable to 450°C
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 1/8"	1/8" O.D. TUBE	10/pk	32246	OEM
		50/pk	32246-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32247	OEM
		50/pk	32247-50	

1/8" Graphite Two Hole Ferrules

- Stable to 450°C
- High Purity Graphite, Preferred for Capillary GC Use
- High Density Graphite
- Preconditioned to Eliminate Out-Gassing
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 0.5 mm (2-hole)	0.32 mm	10/pk	32250	OEM
		50/pk	32250-50	
1/8" X 0.8 mm (2-hole)	0.53 mm	10/pk	32251	OEM
		50/pk	32251-50	

3/16" Graphite Ferrule

- Stable to 450°C
- Contains No Binders that can Out-Gas or Absorb Analytes
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
3/16" X 3/16"	3/16" TUBE O.D.	10/pk	32254	OEM
		50/pk	32254-50	

Graphite Ferrules

Standard, Capillary & Reducing 1/4" Graphite Ferrules

- Stable to 450°C
- High Density Graphite
- Preconditioned to Eliminate Out-Gassing
- Does not stick to Glass or Fused Silica
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/4" x No Hole	No Hole	10/pk	32257	OEM
		50/pk	32257-50	
1/4" X 1/4"	1/4" TUBE O.D.	10/pk	32258	OEM
		50/pk	32258-50	
1/4" X 1/8"	1/8" TUBE O.D.	10/pk	32259	OEM
		50/pk	32259-50	
1/4" X 1/16"	1/16" TUBE O.D.	10/pk	32260	OEM
		50/pk	32260-50	
1/4" X 3/16"	3/16" TUBE O.D.	10/pk	32261	OEM
		50/pk	32261-50	
1/4" X 0.4 mm	0.2 - 0.25 mm	10/pk	32262	OEM
		50/pk	32262-50	
1/4" X 0.5 mm	0.32 mm	10/pk	32263	OEM
		50/pk	32263-50	
1/4" X 0.8 mm	0.53 mm	10/pk	32264	OEM
		50/pk	32264-50	
1/4" X 1.0 mm	0.65 mm	10/pk	32265	OEM
		50/pk	32265-50	
1/4" X 1.2 mm	0.75 mm	10/pk	32266	OEM
		50/pk	32266-50	
1/4" X 4.0 mm	4.0 mm TUBE O.D.	10/pk	32267	OEM
		50/pk	32267-50	
1/4" X 6.0 mm	6.0 mm TUBE O.D.	10/pk	32268	OEM
		50/pk	32268-50	
1/4" X 6.0 mm DBL TAPER	6.0 mm TUBE O.D.	10/pk	32269	OEM
		50/pk	32269-50	

Graphite Ferrules

1/4" Front Graphite Ferrules

- Stable to 450°C
- High Density Graphite
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/4" X 1/4"	1/4" TUBE O.D.	10/pk	32272	OEM
		50/pk	32272-50	
1/4" X 1/8"	1/8" TUBE O.D.	10/pk	32273	OEM
		50/pk	32273-50	
1/4" X 6.0 mm	6.0 mm TUBE O.D.	10/pk	32274	OEM
		50/pk	32274-50	

Large Graphite Ferrules

- Stable to 450°C
- Larger Ferrules for Large Tube Applications
- Does not stick to Glass or Fused Silica
- For High Temperature Applications



Description	Fits Column OD	Qty.	Part#	Price \$
6 mm	6 mm TUBE O.D.	10/pk	32277	OEM
		50/pk	32277-50	
8 mm	8 mm TUBE O.D.	10/pk	32278	OEM
		50/pk	32278-50	
10 mm	10 mm TUBE O.D.	10/pk	32279	OEM
		50/pk	32279-50	
12 mm	12 mm TUBE O.D.	10/pk	32280	OEM
		50/pk	32280-50	
3/8"	3/8" TUBE O.D.	10/pk	32281	OEM
		50/pk	32281-50	
3/8"	No Hole	10/pk	32282	OEM
		50/pk	32282-50	
1/2"	1/2" TUBE O.D.	10/pk	32283	OEM
		50/pk	32283-50	
5/8"	5/8" TUBE O.D.	10/pk	32284	OEM
		50/pk	32284-50	
3/4"	3/4" TUBE O.D.	10/pk	32285	OEM
		50/pk	32285-50	
7/8"	7/8" TUBE O.D.	10/pk	32286	OEM
		50/pk	32286-50	
1"	1" TUBE O.D.	10/pk	32287	OEM
		50/pk	32287-50	
1.25"	1.25" TUBE O.D.	10/pk	32288	OEM
		50/pk	32288-50	
1.50"	1.50" TUBE O.D.	10/pk	32289	OEM
		50/pk	32289-50	

Graphite Ferrules

Mini Union MSUV, 100% Graphite Ferrules

- Stable to 450°C
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
0.5 mm ID	0.25- 0.32 mm	10/pk	32290	OEM
		50/pk	32290-50	
0.8 mm ID	0.53 mm	10/pk	32291	OEM
		50/pk	32291-50	

Carlo Erba, Graphite Ferrules

- Fit most Carlo Erba Instruments
- Stable to 450°C
- High Purity Graphite, Preferred for Capillary GC Use
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
0.5 mm ID	M5 NUT	10/pk	32294	OEM
		50/pk	32294-50	
0.8 mm ID	M8 NUT	10/pk	32295	OEM
		50/pk	32295-50	

Shimadzu, Graphite Ferrules

- 5mm Fit Shimadzu 17A GCs
- 1/16" Fits 17A, 2010, 2014 GCs
- Stable to 450°C
- Preconditioned to Eliminate Out-Gassing
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
5.0 mm	5.0 mm TUBE O.D.	10/pk	32298	OEM
		50/pk	32298-50	
1/16" X 0.5 mm (2-Piece)	0.35 mm	10/pk	32299	OEM
		50/pk	32299-50	
1/16" X 0.8 mm (2-Piece)	0.53 mm	10/pk	32300	OEM
		50/pk	32300-50	
1/16" X 0.5 mm	0.35 mm	10/pk	32301	OEM
		50/pk	32301-50	
1/16" x 0.8 mm	0.53 mm	10/pk	32302	OEM
		50/pk	32302-50	

Graphite Ferrules

Graphite O-Rings/Sealing O-Rings

- Excellent thermal stability at injection port
- Temperature Stability to 450°C
- Contains No Binders that can Out-Gas or Absorb Analytes
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
6.35 mm ID/ 9.63 mm O.D.	6.35 mm	10/pk	32305	OEM
		50/pk	32305-50	
6.52 MM ID/ 9.63 mm O.D.	6.52 mm	10/pk	32306	OEM
		50/pk	32306-50	
1/16" Sealing O-Ring	1/16" TUBE O.D.	10/pk	32307	OEM
		50/pk	32307-50	
1/8" Sealing O-Ring	1/8" TUBE O.D.	10/pk	32308	OEM
		50/pk	32308-50	
1/4" Sealing O-Ring	1/4" TUBE O.D.	10/pk	32309	OEM
		50/pk	32309-50	

Ultra Clean Graphite Ferrule, 450°C

- Temperature Programmed Conditioning at 400°C
- Fifty Programmed Ramp Ups in GC oven
- Stable to 450°C
- High Density Graphite
- Smooth & Clean Edges - Better than Conventional Graphite Ferrules
- Packaged in "Ultra Clean" Glass Bottles with Special Yellow "Keep Clean" Label



Description	Qty	Part#	Price \$
Ultra Clean 5mm Preconditioned Graphite Ferrules for Varian, Bruker & Agilent Chromatographs	2/pk	392534202	OEM
	10/pk	392534201	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

100% Polyimide (Vespel®) Ferrules

- 350° C Upper Temperature Limit. One Piece Ferrule Design
- May Bleed at Higher Temperatures
- Excellent Physical Properties 100% High Temperature Polyimide (Vespel®)
- Does not Cold Flow
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Polyimide (Vespel®) Ferrules, 350°C, 1/16 in. Fitting to No Hole (Blanks)	10/pk	392611766	OEM
	50/pk	392611766-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/16 in. Fitting to 1/16 in. OD Tube	10/pk	392611765	OEM
	50/pk	392611765-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/8 in. Fitting to No Hole (Blanks)	10/pk	392611769	OEM
	50/pk	392611769-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/8 in. Fitting Reducing to 1/16 in. OD Tube	10/pk	392611767	OEM
	50/pk	392611767-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/8 in. Fitting to 1/8 in. OD Tube	10/pk	392611768	OEM
	50/pk	392611768-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/4 in. Fitting Reducing to 1/16 in. OD Tube	10/pk	392611770	OEM
	50/pk	392611770-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/4 in. Fitting Reducing to 1/8 in. OD Tube	10/pk	392611771	OEM
	50/pk	392611771-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/4 in. Fitting to 1/4 in. OD Tube	10/pk	392611772	OEM
	50/pk	392611772-50	
Polyimide (Vespel®) Ferrules, 350°C, 1/4 in. Fitting to No Hole (Blanks)	10/pk	392611774	OEM
	50/pk	392611774-50	

Capillary Ferrules for 1/16" Compression-Type Ferrules

- 100% Polyimide (Vespel®)
- For Agilent Injectors & Detectors; 5890/6890/7890 GCs
- Does not Cold Flow
- Packaged in "Ultra Clean" Glass Bottle



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole "Short"	No Hole	10/pk	32000	OEM
		50/pk	32000-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32001	OEM
		50/pk	32001-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32002	OEM
		50/pk	32002-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32003	OEM
		50/pk	32003-50	
1/16" X 0.8 mm	0.53 mm	10/pk	32004	OEM
		50/pk	32004-50	

Standard Capillary Ferrules

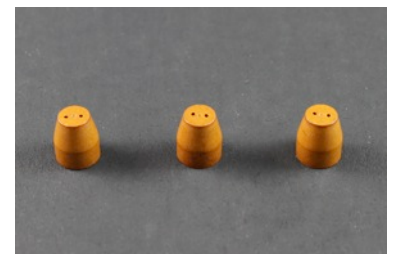
- 100% Polyimide (Vespel®)
- 350° C Upper Temperature Limit. One Piece Ferrule Design
- Excellent Physical Properties 100% High Temperature Polyimide (Vespel®)
- Does not Cold Flow
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32005	OEM
		50/pk	32005-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32006	OEM
		50/pk	32006-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32007	OEM
		50/pk	32007-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32008	OEM
		50/pk	32008-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32009	OEM
		50/pk	32009-50	
1/16" X 0.8 mm	0.45 - 0.53 mm	10/pk	32010	OEM
		50/pk	32010-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32011	OEM
		50/pk	32011-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32012	OEM
		50/pk	32012-50	

Two Hole Capillary Ferrules

- 100% Polyimide (Vespel®)
- 350° C Upper Temperature Limit. One Piece Ferrule Design
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" X 0.4 mm (2-hole)	0.2 - 0.25 mm	10/pk	32015	OEM
		50/pk	32015-50	
1/16" X 0.5 mm (2-hole)	0.32 mm	10/pk	32016	OEM
		50/pk	32016-50	
1/16" X 0.8 mm (2-hole)	0.53 mm	10/pk	32017	OEM
		50/pk	32017-50	

Standard, Capillary & Reducing 1/8" Ferrules

- 100% Polyimide (Vespel®)
- 350° C Upper Temperature Limit. One Piece Ferrule Design
- Does not Cold Flow
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" x No Hole	No Hole	10/pk 50/pk	32020 32020-50	OEM
1/8" X 1/8"	1/8" TUBE O.D.	10/pk 50/pk	32021 32021-50	OEM
1/8" X 1/16"	1/16" TUBE O.D.	10/pk 50/pk	32022 32022-50	OEM
1/8" X 0.4 mm	0.2 -0.25 mm	10/pk 50/pk	32023 32023-50	OEM
1/8" X 0.5 mm	0.32 mm	10/pk 50/pk	32024 32024-50	OEM
1/8" X 0.8 mm	0.45 - 0.53 mm	10/pk 50/pk	32025 32025-50	OEM
1/8" X 1.0 mm	0.65 mm	10/pk 50/pk	32026 32026-50	OEM
1/8" X 1.2 mm	0.75 mm	10/pk 50/pk	32027 32027-50	OEM
1/8" X 2.4 mm	2.4 mm TUBE O.D.	10/pk 50/pk	32028 32028-50	OEM

Two Hole 1/8" Ferrules

- 100% Polyimide (Vespel®)
- 350° C Upper Temperature Limit. One Piece Ferrule Design
- Excellent Physical Properties 100% High Temperature Polyimide (Vespel®)
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 0.5 mm (2-hole)	0.32 mm	10/pk 50/pk	32031 32031-50	OEM
1/8" X 0.8 mm (2-hole)	0.53 mm	10/pk 50/pk	32032 32032-50	OEM

Standard, Capillary & Reducing 1/4" Ferrules

- 100% Polyimide (Vespel®)
- 350° C Upper Temperature Limit. One Piece Ferrule Design
- May Bleed at Higher Temperatures
- Excellent Physical Properties 100% High Temperature Polyimide (Vespel®)
- Does not Cold Flow
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/4" x No Hole	No Hole	10/pk	32035	OEM
		50/pk	32035-50	
1/4" X 1/4"	1/4" TUBE O.D.	10/pk	32036	OEM
		50/pk	32036-50	
1/4" X 1/8"	1/8" TUBE O.D.	10/pk	32037	OEM
		50/pk	32037-50	
1/4" X 1/16"	1/16" TUBE O.D.	10/pk	32038	OEM
		50/pk	32038-50	
1/4" X 3/16"	3/16" TUBE O.D.	10/pk	32039	OEM
		50/pk	32039-50	
1/4" X 0.4 mm	0.2 - 0.25 mm	10/pk	32040	OEM
		50/pk	32040-50	
1/4" X 0.5 mm	0.32 mm	10/pk	32041	OEM
		50/pk	32041-50	
1/4" X 0.8 mm	0.53 mm	10/pk	32042	OEM
		50/pk	32042-50	
1/4" X 1.0 mm	0.65 mm	10/pk	32043	OEM
		50/pk	32043-50	
1/4" X 1.2 mm	0.75 mm	10/pk	32044	OEM
		50/pk	32044-50	
1/4" X 4.0 mm	4.0 mm TUBE O.D.	10/pk	32045	OEM
		50/pk	32045-50	
1/4" X 6.0 mm	6.0 mm TUBE O.D.	10/pk	32046	OEM
		50/pk	32046-50	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Teflon® Ferrules

Teflon® Ferrules

- 250° C Upper Temperature Limit
- Non Sticking. One Piece Ferrule Design
- 100% Teflon® (PTFE). Chemically Inert
- Packaged in "Ultra Clean" Glass Bottles



Description	Qty	Part#	Price \$
Teflon® Ferrules, 250°C, 1/16 in. Fitting to 1/16 in. OD Tube	10/pk 50/pk	392611775 392611775-50	OEM
Teflon® Ferrules, 250°C, 1/16 in. Fitting to No Hole (Blanks)	10/pk 50/pk	392611776 392611776-50	OEM
Teflon® Ferrules, 250°C, 1/8 in. Fitting Reducing to 1/16 in. OD Tube	10/pk 50/pk	392611777 392611777-50	OEM
Teflon® Ferrules, 250°C, 1/8 in. Fitting to 1/8 in. OD Tube	10/pk 50/pk	392611778 392611778-50	OEM
Teflon® Ferrules, 250°C, 1/4 in. Fitting Reducing to 6 mm OD Tube	10/pk 50/pk	392611783 392611783-50	OEM
Teflon® Ferrules, 250°C, 1/4 in. Fitting to No Hole (Blanks)	10/pk 50/pk	392611784 392611784-50	OEM
Teflon® Ferrules, 250°C, 1/8 in. Fitting to No Hole (Blanks)	10/pk 50/pk	392611779 392611779-50	OEM
Teflon® Ferrules, 250°C, 1/4 in Fitting Reducing to 1/16 in. OD Tube	10/pk 50/pk	392611780 392611780-50	OEM
Teflon® Ferrules, 250°C, 1/4 in. Fitting Reducing to 1/8 in. OD Tube	10/pk 50/pk	392611781 392611781-50	OEM
Teflon® Ferrules, 250°C, 1/4 in. Fitting Reducing to 1/4 in. OD Tube	10/pk 50/pk	392611782 392611782-50	OEM

Capillary Ferrules for 1/16" Compression-Type Ferrules

- 100% Teflon® (PTFE)
- Standard Capillary Ferrules
- 250° C Upper Temperature Limit
- Non Sticking, One Piece Ferrule Design
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" x No Hole	No Hole	10/pk	32316	OEM
		50/pk	32316-50	
1/16" X 1/16"	1/16" TUBE O.D.	10/pk	32317	OEM
		50/pk	32317-50	
1/16" X 0.3 mm	0.1 mm	10/pk	32318	OEM
		50/pk	32318-50	
1/16" X 0.4 mm	0.2 - 0.25 mm	10/pk	32319	OEM
		50/pk	32319-50	
1/16" X 0.5 mm	0.32 mm	10/pk	32320	OEM
		50/pk	32320-50	
1/16" X 0.8 mm	0.45 - 0.53 mm	10/pk	32321	OEM
		50/pk	32321-50	
1/16" X 1.0 mm	0.65 mm	10/pk	32322	OEM
		50/pk	32322-50	
1/16" X 1.2 mm	0.75 mm	10/pk	32323	OEM
		50/pk	32323-50	

1/16" Two Hole Capillary Ferrules

- 100% Teflon® (PTFE)
- 250° C Upper Temperature Limit
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/16" X 0.4 mm (2-hole)	0.2 - 0.25 mm	10/pk	32326	OEM
		50/pk	32326-50	
1/16" X 0.5 mm (2-hole)	0.32 mm	10/pk	32327	OEM
		50/pk	32327-50	
1/16" X 0.8 mm (2-hole)	0.53 mm	10/pk	32328	OEM
		50/pk	32328-50	

Standard, Capillary & Reducing 1/8" Ferrules

- 100% Teflon® (PTFE)
- 250° C Upper Temperature Limit
- Non Sticking. One Piece Ferrule Design
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" x No Hole	No Hole	10/pk	32331	OEM
		50/pk	32331-50	
1/8" X 1/8"	1/8" TUBE O.D.	10/pk	32332	OEM
		50/pk	32332-50	
1/8" X 1/16"	1/16" TUBE O.D.	10/pk	32333	OEM
		50/pk	32333-50	
1/8" X 0.4 mm	0.2 - 0.25 mm	10/pk	32334	OEM
		50/pk	32334-50	
1/8" X 0.5 mm	0.32 mm	10/pk	32335	OEM
		50/pk	32335-50	
1/8" X 0.8 mm	0.45 - 0.53 mm	10/pk	32336	OEM
		50/pk	32336-50	
1/8" X 1.0 mm	0.65 mm	10/pk	32337	OEM
		50/pk	32337-50	
1/8" X 1.2 mm	0.75 mm	10/pk	32338	OEM
		50/pk	32338-50	

Two Hole 1/8" Ferrules

- 100% Teflon® (PTFE)
- 250° C Upper Temperature Limit
- Non Sticking. One Piece Ferrule Design
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/8" X 0.5 mm (2-hole)	0.32 mm	10/pk	32341	OEM
		50/pk	32341-50	
1/8" X 0.8 mm (2-hole)	0.53 mm	10/pk	32342	OEM
		50/pk	32342-50	

Teflon® Ferrules

Standard, Capillary & Reducing 1/4" Ferrules

- 100% Teflon® (PTFE)
- 250° C Upper Temperature Limit
- Non Sticking. One Piece Ferrule Design
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
1/4" x No Hole	No Hole	10/pk	32345	OEM
		50/pk	32345-50	
1/4" X 1/4"	1/4" TUBE O.D.	10/pk	32346	OEM
		50/pk	32346-50	
1/4" X 1/8"	1/8" TUBE O.D.	10/pk	32347	OEM
		50/pk	32347-50	
1/4" X 1/16"	1/16" TUBE O.D.	10/pk	32348	OEM
		50/pk	32348-50	
1/4" X 3/16"	3/16" TUBE O.D.	10/pk	32349	OEM
		50/pk	32349-50	
1/4" X 0.4 mm	0.2 - 0.25 mm	10/pk	32350	OEM
		50/pk	32350-50	
1/4" X 0.5 mm	0.32 mm	10/pk	32351	OEM
		50/pk	32351-50	
1/4" X 0.8 mm	0.53 mm	10/pk	32352	OEM
		50/pk	32352-50	
1/4" X 1.0 mm	0.65 mm	10/pk	32353	OEM
		50/pk	32353-50	
1/4" X 1.2 mm	0.75 mm	10/pk	32354	OEM
		50/pk	32354-50	
1/4" X 4.0 mm	4.0 mm TUBE O.D.	10/pk	32355	OEM
		50/pk	32355-50	
1/4" X 6.0 mm	6.0 mm TUBE O.D.	10/pk	32356	OEM
		50/pk	32356-50	

Large ID Ferrules

- 100% Teflon® (PTFE)
- 250° C Upper Temperature Limit
- Packaged in "Ultra Clean" Glass Bottles



Description	Fits Column ID	Qty.	Part#	Price \$
3/8" x 3/8"	3/8" TUBE O.D.	10/pk	32359	OEM
		50/pk	32359-50	
3/8" x No Hole	No Hole	10/pk	32360	OEM
		50/pk	32360-50	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Specialty Ferrules

Specialty Ferrules

- Special Application Ferrules
- Available In Polyimide, Polyimide/Graphite and Brass
- Fits Some Varian & Bruker GC's

Specialty 60% Polyimide (Vespel®) /40% Graphite Ferrules

- Stable to 400°C
- Minimal Torque Required to Seal
- Reusable, One-piece Design, Precision Drilled
- Excellent for Vacuum & High Pressure Applications
- Packaged in "Ultra Clean" Glass Bottles



Description	I.D.	Qty.	Part#	Price \$
1/16" 60% Polyimide (Vespel®)/40% Graphite, 0.145"-0.150" Height	0.048"-0.050"	10/pk	DY50502500-10	OEM

Specialty Brass Ferrules

- To Fit Special Varian/Bruker/Agilent Fittings
- High Temperature Rating



Description	I.D.	O.D.	Qty.	Part#	Price \$
Brass, 40° Angle, 0.160" Height	0.050"	0.246"	10/pk	393753801-10	OEM

Specialty 100% Polyimide (Vespel®) Ferrules

- 350° C Upper Temperature Limit. One Piece Ferrule Design
- May Bleed at Higher Temperatures
- Excellent Physical Properties 100% High Temperature Polyimide (Vespel®)
- Does not Cold Flow
- Packaged in "Ultra Clean" Glass Bottles



Description	I.D.	O.D.	Qty.	Part#	Price \$
Vaporizer, 100% Polyimide (Vespel®), 20° Angle	0.198" - 0.200"	0.3325"	10/pk	393733901-10	OEM

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

GC Purifiers

Fit over 80 different models of Gas Chromatographs

- ◆ Agilent
- ◆ Beckman
- ◆ Bruker
- ◆ Carlo Erba
- ◆ Chrompack
- ◆ CTC Analytics
- ◆ Dani
- ◆ Dynatech
- ◆ Gilson
- ◆ Hewlett Packard
- ◆ Hitachi
- ◆ Merck
- ◆ Perkin-Elmer
- ◆ Pharmacia
- ◆ Shimadzu
- ◆ Siemens
- ◆ Spark
- ◆ Spectra-Physics
- ◆ Varian

We offer several types of purifiers for removal of moisture, hydrocarbon, oxygen, and other chemicals from carrier gases.

All have been proven cost effective in preventing column degradation, eliminating baseline drift and maximizing the accuracy of analytical data.

They have been designed for optimum rate and breakthrough capacity. For best overall results in contaminant removal they should be used in combination.

Hydrocarbon/Water Gas Purifier

- Conditions eight cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm Hydrocarbon and Water.
- Pressure rating : 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.3" OD x 11" L
- Spun Aluminum Chamber



Description	Old Varian Liner #	Qty	Part#	Price \$
Hydrocarbon/Water Gas Purifier	03-949862-00	1/pk	394986200	OEM
		5/pk	394986200-5	

Oxygen Gas Purifier

- Conditions four cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm O².
- Pressure rating : 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.3" OD x 11" L
- Spun Aluminum Chamber



Description	Old Varian Liner #	Qty	Part#	Price \$
Oxygen Gas Purifier	03-949770-02	1/pk	394977002	OEM
		5/pk	394977002-5	

Hydrocarbon/Water Gas Purifier w/ Moisture Indicator

- Moisture indicator changes color when saturated
- Removes Moisture & Hydrocarbons
- Made from Clear Lexan®
- 1/8" Brass Fitting
- Volume: 200cc Size: 2" OD x 10.25" L
- Pressure Rating: 100 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Hydrocarbon/Water Gas Purifier w/ Moisture Indicator	1/pk	30000	OEM
	5/pk	30000-5	

Pencil Filters

- Removes moisture and hydrocarbons
- Usable in small areas
- 1/8" Brass Fittings
- Aluminum chamber
- Various lengths available
- Custom materials available



Description	Qty	Part#	Price \$
Filter, 4.81 in., Clear, Flow Module (Moisture/Hydrocarbons)	1/pk	391713401	OEM
	5/pk	391713401-5	
Filter, 4.81 in., Gold, Flow Module (Hydrocarbons)	1/pk	391713402	OEM
	5/pk	391713402-5	
Filter, 2.02 in., Clear, Flow Module, Short (Hydrocarbons)	1/pk	391895901	OEM
	5/pk	391895901-5	
Filter, 1.62 in., Gold, Flow Module (Moisture/Hydrocarbons)	1/pk	391895902	OEM
	5/pk	391895902-5	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Visalite 6000™ High Capacity Gas Purifiers

Fits over 80 different models of Gas Chromatographs

- ◆ Agilent
- ◆ Beckman
- ◆ Bruker
- ◆ Carlo Erba
- ◆ Chrompack
- ◆ CTC Analytics
- ◆ Dani
- ◆ Dynatech
- ◆ Gilson
- ◆ Hewlett Packard
- ◆ Hitachi
- ◆ Merck
- ◆ Perkin-Elmer
- ◆ Pharmacia
- ◆ Shimadzu
- ◆ Siemens
- ◆ Spark
- ◆ Spectra-Physics
- ◆ Varian

Visalite 6000 Purifiers

Hydrocarbon Gas Purifier

- Conditions more than ten cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm Hydrocarbon
- Spherical high capacity materials
- Pressure rating: 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.30" OD x 11.0" L
- Spun Aluminum Chamber



Description	Qty	Part#	Price \$
Hydrocarbon Gas Purifier	1/pk	30001	OEM
	5/pk	30001-5	

H₂O Gas Purifier

- Conditions more than ten cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm Water
- Spherical high capacity materials
- Pressure rating: 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.30" OD x 11.0" L
- Spun Aluminum Chamber



Description	Qty	Part#	Price \$
100% H ₂ O Gas Purifier	1/pk	30002	OEM
	5/pk	30002-5	

H₂O/Hydrocarbon Gas Purifier

- Conditions more than ten cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm Water and Hydrocarbon
- Spherical high capacity materials
- Pressure rating: 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.30" OD x 11.0" L
- Spun Aluminum Chamber



Description	Qty	Part#	Price \$
H ₂ O/Hydrocarbon Gas Purifier	1/pk	30003	OEM
	5/pk	30003-5	

Oxygen/Hydrocarbon Gas Purifier

- Conditions six cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm O₂ and Hydrocarbon
- Spherical high capacity materials
- Pressure rating : 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.30" OD x 11.0" L
- Spun Aluminum Chamber



Description	Qty	Part#	Price \$
Oxygen/Hydrocarbon Gas Purifier	1/pk	30004	OEM
	5/pk	30004-5	

Visalite 6000 Purifiers

Oxygen/H₂O Gas Purifier

- Conditions five cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm O² and H₂O
- Spherical high capacity materials
- Pressure rating: 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.30" OD x 11.0" L
- Spun Aluminum Chamber



Description	Qty	Part#	Price \$
Oxygen/H ₂ O Gas Purifier	1/pk	30005	OEM
	5/pk	30005-5	

Oxygen Gas Purifier

- Conditions six cylinders of 99.999% purity (200 ft³/ea) to less than 1 ppm O²
- Spherical high capacity materials
- Pressure rating: 250 PSI
- 1/8" Brass Fittings
- Volume: 120cc Size: 1.30" OD x 11.0" L
- Spun Aluminum Chamber



Description	Qty	Part#	Price \$
100% O ₂ Gas Purifier	1/pk	30006	OEM
	5/pk	30006-5	

Hydrocarbon/Water Gas Purifier w/ Moisture Indicator

- Moisture indicator changes color when saturated
- Removes Moisture & Hydrocarbons
- Made from Clear Lexan®
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 200cc Size: 2" OD x 10.25" L
- Pressure Rating: 100 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Hydrocarbon/Water Gas Purifier w/ Moisture Indicator	1/pk	30007	OEM
	5/pk	30007-5	

Visalite 6000 Purifiers

Hydrocarbon Gas Purifier

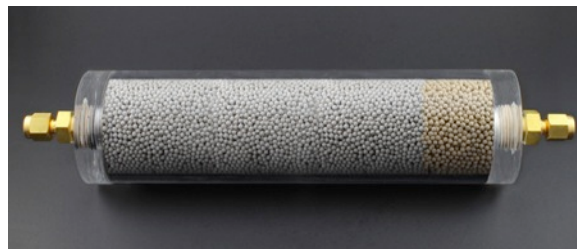
- Removes Hydrocarbons
- Made from Clear Lexan®
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 200cc Size: 2" OD x 10.25" L
- Pressure Rating: 100 PSI
- Removes: HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Hydrocarbon Gas Purifier	1/pk	30008	OEM
	5/pk	30008-5	

H₂O Gas Purifier

- Removes Moisture
- Made from Clear Lexan®
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 200cc Size: 2" OD x 10.25" L
- Pressure Rating: 100 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
H ₂ O Gas Purifier	1/pk	30009	OEM
	5/pk	30009-5	

H₂O Gas Purifier w/ Moisture Indicator

- Moisture indicator changes color when saturated
- Removes Moisture
- Made from Clear Lexan®
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 200cc Size: 2" OD x 10.25" L
- Pressure Rating: 100 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
H ₂ O Gas Purifier w/ Moisture Indicator	1/pk	30010	OEM
	5/pk	30010-5	

Visalite 6000 Purifiers

Hydrocarbon Large Gas Purifier

- Lexan® construction
- Removes hydrocarbons
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 825cc Size: 3.75" OD x 7.25" L
- Pressure Rating: 50 PSI
- Removes: HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Hydrocarbon Large Purifier	1/pk	30011	OEM
	5/pk	30011-5	

H₂O Large Gas Purifier

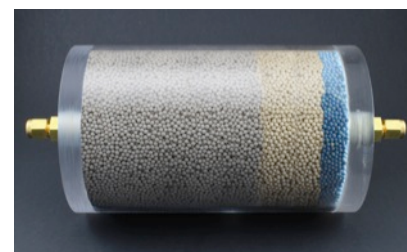
- Lexan® construction
- Removes moisture
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 825cc Size: 3.75" OD x 7.25" L
- Pressure Rating: 50 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
H ₂ O Large Gas Purifier	1/pk	30012	OEM
	5/pk	30012-5	

H₂O Large Gas Purifier w/ Moisture Indicator

- Lexan® construction
- Removes moisture
- Moisture indicator changes color when saturated
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 825cc Size: 3.75" OD x 7.25" L
- Pressure Rating: 50 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
H ₂ O Large Purifier w/ Moisture Indicator	1/pk	30013	OEM
	5/pk	30013-5	

Visalite 6000 Purifiers

Moisture/Hydrocarbon Large Gas Purifier w/ Moisture Indicator

- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Spherical high capacity materials
- 1/8" Brass Fitting
- Volume: 825cc Size: 3.75" OD x 7.25" L
- Pressure Rating: 50 PSI
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Moisture/Hydrocarbon Large Gas Purifier w/ Moisture Indicator	1/pk	30014	OEM
	5/pk	30014-5	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Specialty Gas Purifiers

Specialty Gas Purifiers

We offer several speciality purifiers for removal of Water, Hydrogen Chloride, Sulphur Dioxide, Hydrogen Sulphide, Carbon Dioxide, Hydrocarbons, Oil, and Small Aliphatics. They have been designed for optimum rate and breakthrough capacity.

Indicating Moisture Removal Tube w/ Bracket

- Teflon tube construction w/ aluminum ends, bracket, & Teflon tubing
- Indicating moisture material
- For small areas where moisture is a concern
- Ambient applications
- Teflon Inlet Tube - 0.085" OD
- Pressure Rating: 20 PSI
- Volume: 3.75cc Size: 0.500" OD x 3.25" L



Description	Qty	Part#	Price \$
Indicating Moisture Removal Tube w/ Bracket	1/pk	30015	OEM
	5/pk	30015-5	

Indicating Moisture Removal Tube

- Teflon tube construction w/ aluminum ends & Teflon tubing
- Indicating moisture material
- For small areas where moisture is a concern
- Teflon Inlet Tube - 0.085" OD
- Pressure Rating: 20 PSI
- Volume: 3.75cc Size: 0.500" OD x 3.25" L



Description	Qty	Part#	Price \$
Indicating Moisture Removal Tube	1/pk	30016	OEM
	5/pk	30016-5	

Hydrocarbon/Water Gas Purifier w/ Moisture Indicator

- Moisture indicator changes color when saturated
- Removes Moisture & Hydrocarbons
- Made from Clear Lexan®
- 1/8" Brass Fitting
- Pressure Rating: 100 PSI
- Volume: 200cc Size: 2" OD x 10.25" L
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Hydrocarbon/Water Gas Purifier w/ Moisture Indicator	1/pk	30017	OEM
	5/pk	30017-5	

Specialty Gas Purifiers

Indicating Moisture & Hydrocarbon Removal Purifier

- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Spherical high-capacity materials
- Chrome-plated brass quick disconnect couplings to connect 1/4" tubes
- Volume: 250cc Size: 2" OD x 8.5" L
- Pressure Rating: 100 PSI
- Other Fitting options available
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Indicating Moisture & Hydrocarbon Removal Purifier	1/pk	30018	OEM
	5/pk	30018-5	

Hydrocarbon/Moisture Removal w/ Indicating Media

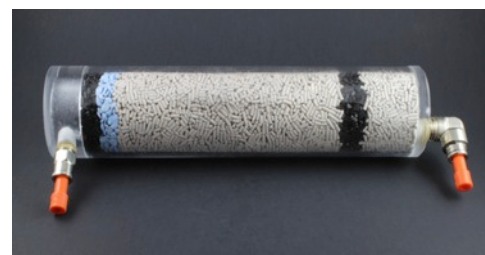
- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Chrome-plated brass quick disconnect couplings to connect 1/4" tubes
- Volume: 250cc Size: 2" OD x 8.5" L
- Pressure Rating: 100 PSI
- Other fitting options available
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Indicating Moisture & Hydrocarbon Removal Purifier	1/pk	30019	OEM
	5/pk	30019-5	

Hydrocarbon/Moisture Purifier

- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Nickel-plated Brass Push to connect fitting: Fits 1/4" Tubing
- Volume: 275cc Size: 2" OD x 9" L
- Pressure Rating: 100 PSI
- Other Fitting options available
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Hydrocarbon/Moisture Purifier	1/pk	30020	OEM
	5/pk	30020-5	

Custom products & bulk pricing available. Email or fax us with your specifications for more information.

Specialty Gas Purifiers

Ultra Fine Moisture/Hydrocarbon/Indicating Purifier

- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Pre & Post Ultra Fine Balston Particulate Filters
- Removes 99.9999% of all particles over 0.1µm
- Anarak o-ring clip-lok fittings
- Square ends for mounting
- Volume: 625cc Size: 3.25" OD x 8.5" L
- Pressure Rating: 20 PSI
- Other Fitting options available
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Ultra Fine Moisture/Hydrocarbon/Indicating Purifier	1/pk	30021	OEM
	5/pk	30021-5	

Moisture/Hydrocarbon Large Purifier w/ Ultra Fine Post Particulate Filter

- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Ultra fine Balston particulate filter on outlet
- Removes 99.99% of all particles over 0.1µm
- Inlet/Outlet Teflon Tubing
- Volume: 825cc Size: 3.75" OD x 7.25" L
- Pressure Rating: 20 PSI
- Other Fitting options available
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Moisture/Hydrocarbon Large Purifier w/ Ultra-Fine Post Particulate Filter	1/pk	30022	OEM
	5/pk	30022-5	

Moisture/Hydrocarbon Jumbo Purifier w/ Ultra-Fine Post Particulate Filter

- Lexan® construction
- Removes moisture and hydrocarbons
- Moisture indicator changes color when saturated
- Ultra Fine Balston Particulate Filter on outlet
- Removes 99.99% of all particles over 0.1µm
- Inlet/Outlet Teflon Tubing
- Volume: 1650cc Size per filter: 3.75" OD x 7.25"L (Dual Filters)
- Pressure Rating: 20 PSI
- Other Fitting options available
- Removes: H₂O, HCl, SO₂, NO₂, H₂S, CO₂, Oil, & Small Aliphatics



Description	Qty	Part#	Price \$
Moisture/Hydrocarbon Jumbo Purifier w/ Ultra-Fine Post Particulate Filter	1/pk	30023	OEM
	5/pk	30023-5	

How to Order

**Authorized Visacon Chromatography
Distributor:**



Questions:

Please contact our Authorized Distributor for your area:
Weber Consulting

Email:

info@hrgc.eu

Phone:

00 36 27 330149

Fax:

00 36 27 336375

Website:

www.hrgc.eu

Mailing Address:

dr. Weber Consulting Ltd.
Kodaly Z. 8a.
H-2131 Göd
Hungary