





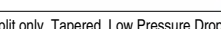




GC Accessories

Inlet Liners

- :: Deactivated for maximum inertness
- :: Meets or exceeds original manufacturers' specifications
- :: Use liners packed with fused silica wool for the Agilent™ 7673 Autosampler

Description	ID (mm)	OD (mm)	Length (mm)	Glass Type	Deactivated	Agilent™ P/N	Part Number
Deactivated Injection Port Liners							
Tapered Liner - 1 End 	4.0	6.45	78.5	Borosilicate	Yes	5181-3316	IS-4209
Tapered Liner - 1 End w/wool* 	4.0	6.45	78.5	Borosilicate	Yes	5062-3587	IS-4210
Tapered Liner - Both Ends 	4.0	6.45	78.5	Borosilicate	Yes	5181-3315	IS-4211
Split/Splitless Liner w/wool* 	4.0	6.3	78.5	Borosilicate	Yes	19251-60540	IS-4212
Cup Split Liner+ 	4.0	6.3	78.5	Borosilicate	No	18740-80190	IS-4202
Direct Liner 	1.5	6.45	78.5	Borosilicate	Yes	18740-80200	IS-4215
Direct Connect Dual Taper, Bottom Hole 	4.0	6.3	78.5	Borosilicate	Yes	G1544-80700	IS-4217
Split only, Tapered, Low Pressure Drop 	4.0	6.3	78.5	Borosilicate	Yes	5183-4647	IS-4220
GP Split, 1 Taper Liner w/wool 	4.0	6.3	78.5	Borosilicate	Yes	5183-4711	IS-4221

+ The Cup Split Liner (IS-4202) contain small amounts of packing (10% CH-1 on 80/100 Chromosorb-WHP) retained by silanized glasswool.

* Containing deactivated quartz wool packing to ensure vaporization of your sample before reaching the column entrance. The liner is made of borosilicate glass.

Liners for other brands available. See www.chrom4.com for details.

Agilent™ Compatible Accessories

Ferrules (10 per pack)

Ferrule Size	Tubing Size	Style	100% Graphite	Agilent™ Part Number	85% Polyimide 15% Graphite	Agilent™ Part Number
Agilent™ Ferrules						
1/16"	0.4mm	-	OV-GF-04	500-2004	OV-MS-04	5062-3508
1/16"	0.4mm	HP/Agilent Short	OV-GF-04-HP	500-2114	OV-MS-04-HP	5181-3323
1/16"	0.5mm	-	OV-GF-05	-	OV-MS-05	5062-3506
1/16"	0.5mm	HP/Agilent Short	OV-GF-05-HP	5080-8853	OV-MS-05-HP	5062-3514
1/16"	0.8mm	-	OV-GF-08	500-2008	OV-MS-08	5062-3538
1/16"	0.8mm	HP/Agilent Short	OV-GF-08-HP	500-2118	OV-MS-08-HP	5062-3512
1/16"	1.00mm	-	OV-GF-10	500-2010	OV-MS-10	-
1/16"	1.0mm	HP/Agilent Short	OV-GF-10-HP	5080-8773	OV-MS-10HP	-
1/16"	1.2mm	-	OV-GF-12	500-2012	OV-MS-12	-
1/16"	1/16"	-	OV-GF-01	0100-1326	OV-MS-01	-
1/8"	1/8"	-	OV-GF-02	0100-1325	OV-MS-02	-
1/4"	1/4"	-	OV-GF-03	0100-1324	OV-MS-03	-
1/8"	1/16"	-	OV-GF-68	0100-1336	OV-MS-68	-
1/4"	1/16"	-	OV-GF-64	0100-1335	OV-MS-64	-
1/4"	1/8"	-	OV-GF-81	0100-1334	OV-MS-81	-
1/16"	0.4mm	2-Hole	OV-GF-14	-	OV-MS-14	5062-3580
1/16"	0.5mm	2-Hole	OV-GF-25	-	OV-MS-15	5062-3581
1/16"	0.5mm	No-Hole	OV-GF-01-NH	-	OV-MS-01-NH	5181-3308

Ferrules (10 per pack)

Ferrule Size	Tubing Size	60% Polyimide 40% Graphite	100% Polyimide	100% Teflon
Capillary Ferrules				
1/16"	0.4mm	OV-GH-04	OV-HF-04	OV-TF-04
1/16"	0.4mm	OV-GH-04-HP	OV-HF-04-HP	-
1/16"	0.5mm	OV-GH-05	OV-HF-05	OV-TF-05
1/16"	0.5mm	OV-GH-05-HP	OV-HF-05-HP	-
1/16"	0.8mm	OV-GH-08	OV-HF-08	OV-TF-08
1/16"	0.8mm	OV-GH-08-HP	OV-HF-08-HP	-
1/16"	1.0mm	OV-GH-10	OV-HF-10	OV-TF-10
1/16"	1.2mm	OV-GH-12	OV-HF-12	OV-TF-12
Straight Ferrules				
1/16"	1/16"	OV-GH-01	OV-HF-01	OV-TF-01
1/8"	1/8"	OV-GH-02	OV-HF-02	OV-TF-02
3/16"	3/16"	-	-	OV-TF-316
1/4"	1/4"	OV-GH-03	OV-HF-03	OV-TF-03
3/8"	3/8"	-	-	OV-TF-138
1/2"	1/2"	-	-	OV-TF-13



Electron Multipliers

Instrument	Analyzer Type	Technique	Part Number
5971, 5972, 5973, 5975, LC/MSD	Quadrupole	GC-MS	DT-2300A

GC Accessories

Press-Fit Connectors

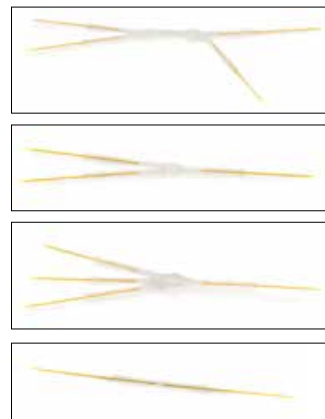
- :: Easy to handle
- :: A simple pressure to assure a perfect seal
- :: Easy to install

ChromGC Press-Fit connectors allow you to simply connect, with a tight seal, different columns or Retention Gaps together in many ways. Our Press-Fit connectors are custom-made to fit any tubing size and to ensure the minimal dead volume.

Press-Fit Union linear connectors, ideal to connect two columns or a Retention Gap to the analytical column.

Press-Fit "Y" three way connectors, ideal to connect two analytical columns to a single injector port or split the exit of one column to a dual detector GC system. Many other configurations are possible using ChromGC "Y" Press-Fit.

ChromGC also produces personalized Multiways Press-Fit connectors for advanced analytical system configurations as MDGC and other custom settings.



Guard Columns - Retention Gaps

- :: Inert
- :: Pretested
- :: Increased analytical column lifetime

Guard columns consist of 5 meters of deactivated fused silica supplied with high temperature string.

All guard columns are extremely inert and each is pretested.

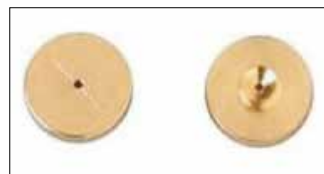
Guard columns are useful in protecting your analytical column from harmful non-volatile contaminants that are commonly found in many environmental and industrial samples.

Attaching the guard column to the front of the analytical column using fused silica connectors, or zero dead volume union, will extend your column's lifetime. The non-volatile contaminants are deposited onto the guard column.

Length	I.D. mm	Catalog Number
5 Meters	0.18	CH-6180-5
5 Meters	0.25	CH-6250-5
5 Meters	0.32	CH-6320-5
5 Meters	0.53	CH-6530-5

Inlet Gold Seals

Instrument	Description	Pack Size	Part Number
For Agilent 7890/6890/6850			
	0.8mm Inlet Seal, Gold-plated Splitless, Gold-plated Washers	2	OV-4300
	0.8mm Inlet Seal, Gold-plated, Splitless, Gold-plated Washers	10	OV-4300-10
	0.8mm Inlet Seal, Gold-plated, Split Double Groove (Cross), Gold-plated Washers	2	OV-4400
	0.8mm Inlet Seal, Gold-plated, Split Double Groove (Cross), Gold-plated Washers	10	OV-4400-10
	Replacement Gold-plated Washers for Inlet Seal	12	OV-4800



GC Septa

Manufacturer	Size	Quantity	Part Number
Perkin Elmer	11mm	50	CHR-HD-P1544
Shimadzu	Plug	50	CHR-HD-S1544

XTRM (Extreme) Columns

What is an XTRM (Extreme) column?

XTRM columns are wall coated open tubular (WCOT) columns consisting of stainless steel tubing that has a special internal surface treatment. This special surface treatment makes the surface similar to deactivated fused silica. The unique surface treatment process permits us to offer XTRM columns in a wide range of internal diameters and phases. Because the special surface treatment permeates the stainless steel surface, rather than the conventional coating, the layer is particularly easy to bend, so the tubing can be coiled to very small diameters.

Compare XTRM columns and fused silica columns:

- Metal columns can be coiled under 4.5 inches without breaking, ideal for small instruments.
- Metal tubing allows XTRM columns to be used to higher temperatures (430°C) than fused silica columns (standard rating is 380°C).
- Coating efficiency (plates/meter) of XTRM columns is comparable to that of fused silica.
- Dormancy of XTRM columns and fused silica columns is comparable, due to the unique properties of the special surface treatment in XTRM columns.
- XTRM columns will not break under stress.

XTRM column phases available from Chrom4:

- CH-1-XTRM
- CH-5-XTRM
- CH-SE54-XTRM
- CH-17-XTRM
- CH-35-XTRM
- CH-SE52-XTRM
- CH-624-XTRM
- CH-SimDis-XTRM

For dimensions and information of the phases listed above, please visit www.chrom4.com or ask your local distributor.