

Quick Reference Guide

Agilent 7890B GC Supplies

Agilent supplies for Agilent instruments

Agilent is committed to optimizing your laboratory's productivity, so we have produced this list of the most commonly ordered supplies and parts for the 7890B GC. Keep this list handy so you can quickly find the supplies you need and minimize instrument downtime.

Save time finding instrument supplies by using our interactive parts finder tool at: www.agilent.com/chem/partsfinder



Sample introduction supplies

Vials	Color	Part No.
A-Line crimp top vial, 2 mL, with write-on spot	Clear	5190-9591
	Amber	5190-9592
A-Line screw top vial, 2 mL, with write-on spot	Clear	5190-9589
	Amber	5190-9590
Crimp cap, PTFE/white silicone septum	Silver	5182-0552
Screw cap, PTFE/white silicone septum	Blue	5190-7021

Gas supplies

Gas Clean Filters	Part No.
Gas Clean carrier gas kit (1/8")	CP17988
Gas Clean FID filter kit (includes 4 filters for carrier gas and detector gases, 1/8")	CP736530

Replacement Filters	Part No.
Gas Clean carrier gas filter	CP17973
Gas Clean oxygen filter	CP17970
Gas Clean moisture filter	CP17971
Gas Clean hydrocarbon filter	CP17972



Inlet supplies

Inlet Septa	Qty.	Part No.
BTO septa	50/pk	5183-4757
Bleed and temperature optimized. Maximum inlet temp 400 °C. Change after 200-300 injections. Ideal for MS.	100/pk	5183-4757-100
Advanced Green septa	50/pk	5183-4759
Popular all purpose septa. Maximum inlet temp 350 °C.	100/pk	5183-4759-100
Long-life septa	50/pk	5183-4761
Up to 400 injections. Maximum inlet temp 350 °C.	100/pk	5183-4761-100

Other Inlet Supplies	Qty.	Part No.
Non-stick fluorocarbon O-rings	10/pk	5188-5365
Change with every liner to ensure leak-free seal.	100/pk	5190-2269
Gold seals	1/pk	5188-5367
Replace regularly to ensure leak-free seal and maintain chromatographic performance.	10/pk	5190-2209
Gold seal with washer	1/pk	5190-6144
Ultra Inert gold seal with washer	10/pk	5190-6145
Split vent trap PM kit		5188-6495
Includes one cartridge and two O-rings. Replace at least annually to prevent buildup and protect lab from emissions.		

Inlet Liners	Qty.	Ultra Inert Deactivation*	Agilent Original Deactivation
Split straight liner with glass wool	1/pk	5190-2294	19251-60540
990 µL, 4 mm id	5/pk	5190-3164	5183-4691
	25/pk	5190-3168	5183-4692
Split single taper liner with glass wool	1/pk	5190-2295	5183-4647
900 µL, 4 mm id	5/pk	5190-3165	5183-4701
	25/pk	5190-3169	5183-4702
Splitless single taper liner with glass wool	1/pk	5190-2293	5062-3587
900 µL, 4 mm id	5/pk	5190-3163	5183-4693
	25/pk	5190-3167	5183-4694

*Ultra Inert liners have a pre-installed O-ring.

Fritted Liners	Qty.	Part No.
Splitless single taper, Ultra Inert with glass frit	1/pk	5190-5112
	5/pk	5190-5112-005
	25/pk	5190-5112-025
Universal single taper, Ultra Inert with glass frit	1/pk	5190-5105
	5/pk	5190-5105-005
	25/pk	5190-5105-025



Column connection supplies

Installing your GC column carefully and correctly is a critical task to ensure a high-quality chromatogram. Need a refresher? Check out our [column installation video](#). Make a clean cut with Agilent's ceramic scribes ([5181-8836](#)). Also check out our [GC Column Selector Tool](#), which helps you navigate to the best column choice for your application. Guidance can be by manufacturer's part number cross-reference, desired phase chemistry, USP designation, regulatory method, or by application.

Ferrules	Ferrule ID	Fits Column ID			Part No.
		250 µm	320 µm	530 µm	
Graphite*	0.4	Yes	No	No	500-2114
	0.5	Yes	Yes	No	5080-8853
	1.0	No	No	Yes	5080-8773
Vespel graphite	0.4	Yes	No	No	5181-3323
	0.5	No	Yes	No	5062-3514
	0.8	No	No	Yes	5062-3512
Flexible Metal**	0.4	Yes	No	No	G3188-27501
	0.5	No	Yes	No	G3188-27502
	0.8	No	No	Yes	G3188-27503
Gold-plated***	0.4	Yes	No	No	G2855-28501
	0.5	No	Yes	No	G2855-28502
	0.8	No	No	Yes	G2855-28503

*Do not use graphite ferrules with MS or oxygen-sensitive detectors.

**Use Flexible Metal ferrules in GC inlets and non-MS detectors with a deep well column nut ([05921-21170](#)).

***Recommended for CFT usage only.

Column Nuts	Ferrule Compatibility			Part No.
	Graphite	Vespel Graphite	Flexible Metal	
Standard	Yes	Yes	No	5181-8830
Deep well	No	No	Yes	05921-21170
Self-Tightening	No	Yes	No	G3440-81011

Self-Tightening Column Nuts	Part No.
Column nut, MSD	G3440-81013
Column nut, inlet/detector	G3440-81011
Short graphite/polyimide ferrules	
0.1 to 0.25 mm columns	5181-3323
0.32 mm columns	5062-3514
0.45 to 0.53 mm columns	5062-3512

Detector supplies

FID Supplies		Details	Part No.
	FID jet, universal fit	0.011 inch id	5200-0176
		0.018 inch id	5200-0177
		0.030 inch id	5200-0178
	Igniter (glow plug) assembly with O-ring		19231-60680
	Collector body		G1531-20690
	Collector body, Hastelloy		G1531-21090
	Collector insulator		G1531-20700

MSD Supplies	Details	Part No.
MSD transfer line interface nuts	Brass	05988-20066
	Self-Tightening*	G3440-81013
MSD ferrules**	100 µm column id	5062-3507
	250 µm column id	5062-3508
	320 µm column id	5062-3506
El filament		G7005-60061

*Use with short vespel/graphite ferrules ([5181-3323](#) or [5062-3514](#)).

**Use only with brass nuts ([05988-20066](#)). Not suitable for Self-Tightening nuts.

Handheld Diagnostics Tools	Part No.
ADM Flow Meter	G6691A
Annual replacement cartridge for ADM Flow Meter	G6692A
Electronic leak detector	G3388B

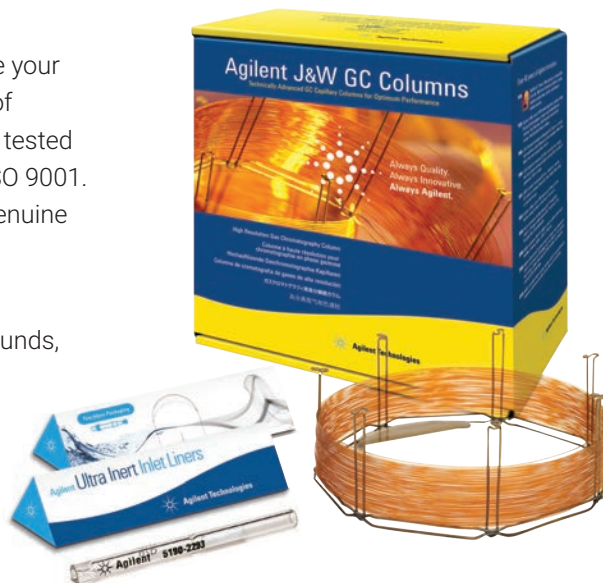


Agilent supplies—to help you get the results you need

For greater confidence in your chromatography results, you can optimize your total system with quality Agilent columns and supplies. Our wide range of columns, supplies, kits, and accessories is designed, manufactured, and tested to rigorous Agilent specifications, under a quality system registered to ISO 9001. Why risk compromising your analytical results with anything less than genuine Agilent supplies?

When choosing your columns, Agilent J&W GC columns offer the lowest bleed levels, the best inertness for acids/bases/mixed functional compounds, and the tightest column-to-column reproducibility.

For Agilent's complete listing of columns and supplies, visit www.agilent.com/chem/gc



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