



Agilent 7890B GC Supplies

Agilent supplies for Agilent instruments

Agilent Technologies 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 Bleed and temperature optimized. Maximum inlet temp 400 °C. Change after 200-300 injections. Ideal for MS.		50/pk	5183-4757	
		100/pk	5183-4757-100	
Advanced Green septa Popular all purpose septa. Maximum inlet temp 350 °C.		50/pk	5183-4759	
		100/pk	5183-4759-100	
Long-life septa Up to 400 injections. Maximum inlet temp 350 °C.		50/pk	5183-4761	
		100/pk	5183-4761-100	
Other inlet supplies		Qty.	Part No.	
Non-stick fluorocarbon O-rings Change with every liner to ensure leak-free seal.		10/pk	5188-5365	
		100/pk	5190-2269	
Gold seals Replace regularly to ensure leak-free seal and maintain chromatographic performance	Gold seal with washer	1/pk	5188-5367	
		10/pk	5190-2209	
	Ultra inert gold seal with washer	1/pk	5190-6144	
		10/pk	5190-6145	
Split vent trap PM kit Includes one cartridge and two O-rings. Replace at least annually to prevent buildup and protect lab from emissions.			5188-6495	
Inlet Liners		Qty.	Ultra Inert deactivation*	Agilent original deactivation
Split straight liner with glass wool	990 µL, 4 mm id 	1/pk	5190-2294	19251-60540
		5/pk	5190-3164	5183-4691
		25/pk	5190-3168	5183-4692
Split/splitless single taper with glass wool	900 µL, 4 mm id 	1/pk	5190-2295	5183-4647 5183-4711
		5/pk	5190-3165	5183-4701 5183-4712
		25/pk	5190-3169	5183-4702 5183-4713
Splitless single taper liner with glass wool	900 µL, 4 mm id 	1/pk	5190-2293	5062-3587
		5/pk	5190-3163	5183-4693
		25/pk	5190-3167	5183-4694

*Ultra inert liners have a pre-installed O-ring



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 [here](#). Make a clean cut with Agilent's ceramic scribes, part no. [5181-8836](#).

Ferrules

Ferrule material	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
VespelGraphite	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


*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, part no. [05921-21170](#)

Column Nuts

Column nut	Ferrule compatibility			Part No.
	Graphite	VespelGraphite	Flexible Metal	
Standard	Yes	Yes	No	5181-8830
Deep well	No	No	Yes	05921-21170
Self-tightening	No	Yes	No	5190-6194

Detector Supplies

FID supplies	Details	Part No.
Jets 	Capillary only fitting ("short")	0.29 mm (0.011") tip G1531-80560
		0.47 mm (0.018") tip, high temp G1531-80620
	Adaptable fitting ("long")	0.29 mm (0.011") tip, capillary 19244-80560
		0.47 mm (0.018") tip, high temp, capillary 19244-80620
		0.47 mm (0.018") tip, packed 18710-20119
		0.76 mm (0.030") tip, packed, wide bore 18789-80070
	Ignitor (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* 5190-5233	
MSD ferrules**	100 µm column i.d. 5062-3507	
	250 µm column i.d. 5062-3508	
	320 µm column i.d. 5062-3506	
El Filament G7005-60061		

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



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

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

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/supplies



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