



Agilent 7890B GC Supplies

Quick reference guide



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 your own spares on site to minimize instrument downtime.

Save time finding instrument supplies by using our interactive parts finder tool at:

www.agilent.com/chem/PartsFinder

Gas management	Part No.
Agilent Gas Clean starter kits	
Gas Clean carrier gas kit for 7890 (1/8 in)	CP17988
Gas Clean FID filter kit (includes 4 filters for carrier gas and detector gases, 1/8 in)	CP736530
Replacement filters	
Gas Clean carrier gas filter	CP17973
Gas Clean oxygen filter	CP17970
Gas Clean moisture filter	CP17971
Gas Clean hydrocarbon filter	CP17972
ADM flow meters	
ADM 1000, 9 V battery, no RS-232 data output (non-corrosive gases only)	220-1170
ADM 2000, battery or 120 VAC, with RS-232 data output	220-1171-U
ADM 2000E, AC adaptor, 220 V	220-1171-E
Carrying case for ADM meters	907-0056
Gas leak detector, handheld electronic	G3388B
Precision gas-flow meter. For carrier and fuel gases used in GC including N ₂ , air, CO ₂ , H ₂ , He, Ar/methane. Flow rate range of 5 to 500 mL/min. Displays mass flow, volumetric flow, temperature and pressure simultaneously.	5067-0223

Ferrules, 10/pk	Graphite	Vespel/graphite	UltiMetal Plus Flexible Metal
Ferrule id 0.4 mm, column id 0.1, 0.2, 0.25 mm	500-2114	5181-3323	G3188-27501
Ferrule id 0.5 mm, column id 0.1, 0.2, 0.25, 0.32 mm	5080-8853		
Ferrule id 0.5 mm, column id 0.32 mm		5062-3514	G3188-27502
Ferrule id 0.8 mm, column id 0.45, 0.53 mm	500-2118	5062-3512	G3188-27503
Ferrule id 1.0 mm, column id 0.53 mm	5080-8773		



Column installation	Part No.	Notes
Universal column nut	5181-8830	
Column ferrule installation tool	19251-80680	Positions ferrule onto capillary column for proper installation.
Diamond-tipped column cutting pencil	420-1000	

Nitrogen phosphorus detector (NPD)	Part No.	Notes
Bios NPD bead assembly	G3434-60806	Superior lifetime, stability and sensitivity for phosphorus.
NPD white ceramic bead assembly	G1534-60570	
Capillary with extended jet for adaptable fittings 70.5 mm long, 0.011 in/0.29 mm id tip	G1534-80590	
Capillary with extended jet for capillary-optimized fittings, 51.5 mm long, 0.011 in/0.29 mm id tip	G1534-80580	
Ferrule pre-swage tool, capillary flow	G2855-60200	
Swaging nut, Ultimate Union	G2855-20555	For use with Flexible Metal ferrules.
Flexible Metal ferrule, UltiMetal Plus, without hole, plug	G3188-27504	

Tools and installation	Part No.	Notes
GC installation kit with Gas Clean gas purifiers	19199N	Contains 1/8 in brass fittings, 50 ft 1/8 in copper tubing, tubing cutter, 2 ball valves, split vent trap, and CP736530 Gas Clean filter kit.
GC installation kit with tools (no gas purifiers)	19199M	Contains GC tool kit, 1/8 in fittings, 50 ft 1/8 in copper tubing, and 2 ball valves.
Handheld electronic gas-leak detector, includes probe, unit, AC power adaptor/battery charger, battery, and user manual	G3388B	Identify source of leaks which cause detector noise and baseline instability, shorten column life and waste carrier gas. Minimum detection limit is 0.0005 mL/min H ₂ and He.

Non-stick inlet septa	Part No.	Notes
11 mm certified BTO septa, 50/pk	5183-4757	Bleed and temperature optimized. Maximum inlet temp 400 °C. Change after 200 to 300 injections. Ideal for MS.
11 mm Advanced Green septa, 50/pk	5183-4759	Popular all purpose septa. Maximum inlet temp 350 °C.
11 mm long life septa, 50/pk	5183-4761	Pre-pierced, up to 400 injections. Maximum inlet temp 350 °C.
5 mm BTO septa, 50/pk	5183-4758	For on-column inlet.
5 mm Advanced Green septa, 50/pk	5183-4760	
5 mm long life septa, 50/pk	5183-4762	

Capillary flow technology	Part No.	Notes
Ultimate union kit, deactivated	G3182-61580	Ideal for joining retention gaps or guards to column.
Capillary flow technology tee, inert	G3184-60065	
Internal nut	G2855-20530	
Swaging nut	G2855-20555	
Column storage fitting	G2855-20590	
Fused silica, deactivated, 0.15 mm x 1 m	160-2625-1	Use for Deans switching and effluent splitting.
Fused silica, deactivated, 0.15 mm x 5 m	160-2625-5	
Fused silica, deactivated, 0.15 mm x 10 m	160-2625-10	
UltiMetal Plus Flexible Metal ferrule 0.4 mm id/0.1-0.25 µm id (10/pk)	G3188-27501	No need to retighten after oven cycling.
UltiMetal Plus Flexible Metal ferrule 0.5 mm id/0.32 µm id (10/pk)	G3188-27052	
UltiMetal Plus Flexible Metal ferrule 0.8 mm id/0.45-0.53 µm id (10/pk)	G3188-27503	

Liners for split/splitless and multimode inlets	Ultra Inert*	Agilent original deactivation	Notes
Split liners			Liners should be changed regularly to prevent performance decline; frequency depends on sample cleanliness.
<i>Straight liner with glass wool, 990 µL, 4 mm id</i>			
1/pk	5190-2294	19251-60540	
5/pk	5190-3164	5183-4691	
25/pk	5190-3168	5183-4692	
100/pk	5190-3172		
Splitless liners			Liners should be changed regularly to prevent performance decline; frequency depends on sample cleanliness.
<i>Single taper liner, 900 µL, 4 mm id</i>			
1/pk	5190-2292	5181-3316	
5/pk	5190-3162	5183-4695	
25/pk	5190-3166	5183-4696	
100/pk	5190-3170	5190-2270	
<i>Single taper liner with glass wool, 900 µL, 4 mm id</i>			
1/pk	5190-2293	5062-3587	
5/pk	5190-3163	5183-4693	
25/pk	5190-3167	5183-4694	
100/pk	5190-3173	5190-2271	
Universal liners			Liners should be changed regularly to prevent performance decline; frequency depends on sample cleanliness.
<i>Low pressure drop liner with glass wool, 870 µL, 4 mm id</i>			
1/pk	5190-2295	5183-4647 / 5183-4711	
5/pk	5190-3165	5183-4701 / 5183-4712	
25/pk	5190-3169	5183-4702 / 5183-4713	
100/pk	5190-3172	5190-2275	
Certified gold-plated seal kit, includes washer			Agilent exclusive metal injection molding process provides best sealing surface to prevent leaks.
Gold seal, 10/pk	5190-2209		
Ultra Inert gold seals			
Ultra Inert gold seal and washer, 1/pk	5190-6144		
Ultra Inert gold seal and washer, 10/pk	5190-6145		
Ultra Inert gold seal and washer, 50/pk	5190-6149		
Split vent trap PM kit, includes one cartridge and two O-rings			Replace annually to protect lab from emissions.
Certified non-stick fluorocarbon O-ring			Should be changed with every liner to ensure leak free seal.
10/pk	5188-5365		
100/pk	5190-2269		

* Ultra Inert liners have a pre-installed O-ring, except for 100/pk



Programmed temperature vaporizer inlet	Part No.
Septumless head PTV inlet liner, multi baffled	5183-2037
High temp PTV inlet liner	5188-5356

Cool on-column inlet	Part No.
Septum nut for 320 µm columns	19245-80521
Septum nut base for 530 µm assembly	G1545-80520
Spring	19245-60760

Inserts

For 200 µm columns, one ring	19245-20510
For 250 µm columns, six rings	19245-20515
For 320 µm columns, five rings	19245-20525
For 530 µm columns	19245-20580

Packed column inlet	Part No.
O-ring, fluorocarbon, 12/pk	5080-8898
Ferrule, 1/4 in, Vespel	5080-8774
1/4 in nut, brass, 10/pk	5180-4105
Disposable glass liner, 170 µL	5080-8732

Flame ionization detector (FID)	Part No.
Blanking plug, finger-tight style	5020-8294
Jet, capillary, standard, 0.011 in tip	G1531-80560
High temperature jet, simdis, 0.018 in id tip	G1531-80620
Jet, capillary, adaptable, 0.011 in id tip	19244-80560
Jet, packed, adaptable, 0.018 in id tip	18710-20119
FID flow measuring insert	19301-60660
FID cleaning kit	9301-0985

Electron capture detector (ECD)	Part No.
Micro ECD wipe test kit	18713-60050

Inert Flow Path upgrade kit	Part No.
Inert Flow Path upgrade kit, 7890	G3970A
<i>Contains:</i>	
Cap inlet shell weldment assembly, UltiMetal Plus treated	G3452-60570
Weldment assembly, inert top, 7890	G3452-60735
Ultra Inert gold seal and washer	5190-6144
Ultra Inert single taper splitless liner with glass wool	5190-2293
UltiMetal Plus Flexible Metal ferrule with 0.4 mm id	G3188-27501

Agilent supplies - to help you get the results you need

For greater confidence in your chromatography results, optimize your whole system with quality Agilent columns, supplies, kits and accessories. All are designed, manufactured, and tested to rigorous Agilent specifications, under a quality system registered to ISO 9001.

Agilent J&W GC columns excel in quality and performance, with the lowest bleed levels, the best inertness for acids/bases/mixed functional compounds, and the tightest column-to-column reproducibility.



Why risk compromising your analytical results with anything less than genuine Agilent supplies?

For Agilent's complete listing of columns and supplies, visit us online at:

www.agilent.com/chem/supplies

This information is subject to change without notice.

© Agilent Technologies, Inc. 2013

Published in UK, July 29, 2013

5990-8916EN



Agilent Technologies