



7890A Gas Chromatograph Supplies Quick Reference Guide

Agilent Supplies for Agilent Instruments

Agilent Technologies is committed to optimizing your laboratory's productivity. As part of this long-term commitment, we have designed our supplies to match our instruments precisely. You get consistent results and optimum instrument performance, all day, every day.

For your convenience, the reference list below contains the most commonly ordered supplies and parts.

| Description | Part No. | Notes |
|--|-------------|--|
| Column Installation Supplies | | |
| Universal column nut | 5181-8830 | |
| Ferrules, 10/pk | | |
| Graphite | 5080-8853 | Ferrule ID (mm) Column ID (mm) |
| Graphite | 5080-8773 | 0.5 0.1, 0.2, 0.25, 0.32 |
| Vespel/Graphite | 5080-8773 | 1.0 0.53 |
| Vespel/Graphite | 5181-3323 | 0.4 0.1, 0.2, 0.25 |
| Vespel/Graphite | 5062-3514 | 0.5 0.32 |
| Vespel/Graphite | 5062-3512 | 0.8 0.45, 0.53 |
| Column ferrule installation tool | 19251-80680 | Positions ferrule onto capillary column for proper installation |
| Diamond-tipped column cutting pencil | 420-1000 | |
| Non-Stick Inlet Septa | | |
| 11 mm Certified BTO septa, 50/pk | 5183-4757 | Bleed and temperature optimized. Maximum inlet temp. 400°C. Change after 200-300 injections. Ideal for MS. |
| 11 mm Advanced Green septa, 50/pk | 5183-4759 | Popular all purpose septa. Maximum inlet temp. 350°C. |
| 11mm 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 | |
| Split/ Splitless Inlet Supplies | | |
| Splitless, single-taper MS certified liner with glass wool, 25/pk | 5188-6566 | Liners should be changed regularly to prevent performance decline; frequency depends on sample cleanliness. |
| 5/pk | 5188-6567 | |
| 1/pk | 5188-6568 | |
| Split liner, single taper MS certified liner with restriction to hold glass wool | 5188-6576 | |
| Liner, splitless, single-taper, glass wool, deactivated | 5062-3587 | Ships with instrument |
| Split, single taper, low pressure drop, glass wool | 5183-4647 | |
| Splitless liner, single taper, without glass wool | 5181-3316 | For reactive phenols, organic acids, pesticides, amines, drugs of abuse, reactive polar compounds, and thermally labile compounds. |
| Non-Stick Fluorocarbon O-ring , 10/pk | 5188-5365 | Plasma treated to prevent sticking. Change with every liner change. |
| Certified gold plated seal kit, includes washer | 5188-5367 | Agilent exclusive metal injection molding process provides superior results. |
| Split vent trap PM kit Includes 1 cartridge and 2 O-rings | 5188-6495 | Replace annually to protect lab from emissions. |



| Description | Part No. | Notes |
|--|-------------|--|
| Cool On-Column Inlet Supplies | | |
| 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, 1 ring | 19245-20510 | |
| For 250 µm columns, 6 rings | 19245-20515 | |
| For 320 µm columns, 5 rings | 19245-20525 | |
| Inserts for capillary columns | 19245-20580 | |
| Packed Column Inlet Supplies | | |
| 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 internal volume | 5080-8732 | |
| Flame Ionization Detector (FID) Supplies | | |
| Ignitor glow plug assembly | 19231-60680 | |
| Blanking plug, finger-tight style | 5020-8294 | |
| FID collector assembly | G1531-60690 | |
| High-temperature jet, SimDis 0.018 in. ID tip | G1531-80620 | |
| Jet, 0.011 in. ID tip, capillary adaptable | 19244-80560 | |
| Jet, packed standard 0.018 in. ID tip | 18710-20119 | |
| FID flow measuring insert | 19301-60660 | |
| FID cleaning kit | 9301-0985 | |
| Nitrogen Phosphorus Detector (NPD) Supplies | | |
| Blos NPD bead assembly | G3434-60806 | Superior lifetime, stability and sensitivity for phosphorus. |
| NPD white ceramic bead assembly | G1534-60570 | |
| Capillary with extended jet, 0.011 in./ 0.29 mm ID tip, 70.5 mm length for adaptable fittings | G1534-80590 | |
| Capillary with extended jet, 0.011 in./0.29 mm ID tip, 51.5mm length for capillary-optimized fittings | G1534-80580 | |
| Electron Capture Detector (ECD) Supplies | | |
| Micro ECD wipe test kit | 18713-60050 | |
| Tools and Installation Supplies | | |
| GC Installation Kit with Renewable Gas Purifiers | 19199C | |
| GC Installation Kit with Tools (no gas purifiers) | 19199M | |
| Handheld electronic gas leak detector Includes probe, unit, AC power adapter/battery charger, battery, and user manual. | G3388A | Identify source of leaks which cause detector noise and baseline instability, shorten column life and waste carrier gas. Minimum detection limit 0.01 mL/min H ₂ and He. |
| Precision gas flow meter | 5067-0223 | For carrier and fuel gases used in GC including N ₂ , air, CO ₂ , H ₂ , He, Ar/methane. Flow rate range 5-500 mL/min. Displays mass flow, volumetric flow, temperature and pressure simultaneously. |

| Description | Part No. | Notes |
|---|-------------|--|
| Gas Management Supplies | | |
| Renewable gas purifier system startup kit Includes one G3440-80007 base, one G3440-60003 renewable gas purifier cartridge, wall or bench mount hardware, and instruction manual. | G3440-60004 | Removes oxygen, moisture, and hydrocarbons with dual indicators. |
| Renewable gas purifier cartridge, new | G3440-60003 | |
| Renewable gas purifier recycled cartridge | G3440-69003 | |
| CGA 580 Regulator, 125 psig max (8.6 bar), He, Ar, N ₂ | 5183-4644 | U.S. only |
| OT3 oxygen/moisture trap | OT3-2 | |
| Capillary Flow Technology Supplies | | |
| Ultimate union kit, deactivated | G3182-61580 | Ideal for joining retention gaps or guards to column. |
| 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 | |
| SilTite metal ferrules, 0.10-0.25 mm ID capillary columns | 5188-5361 | No need to retighten after oven cycling. |
| SilTite metal ferrules, 0.32 mm ID capillary columns | 5188-5362 | |
| SilTite metal ferrules, 0.53 mm ID capillary columns | 5188-5363 | |

To learn more about Agilent's complete offering of parts and supplies for your GC instrument:

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