

Agilent 5973, 5975, and 5977 Series GC/MSD Supplies



Agilent supplies for Agilent instruments

Agilent is committed to optimizing your laboratory's productivity. We have produced this list of the most commonly ordered supplies and parts for the Agilent 5973, 5975, and 5977 series GC/MSD. Keep this list so you can quickly find the supplies you need and minimize instrument downtime.

| Electron Ionization Ion Source Supplies | Stainless Source Part Number | Inert Source Part Number | Extractor Source Part Number |
|--|------------------------------|--------------------------|------------------------------|
| El extractor transfer tip (captive type) | | | G3870-20542 |
| Spring, transfer line | | | G7005-20024 |
| Transfer line socket | G1099-20136 | G1099-20136 | |
| High temperature filament, 1/pk | G7005-60061 | G7005-60061 | G7005-60061 |
| Cap screw, gold-plated, 1/pk ** | G3870-20021 | G3870-20021 | G3870-20021 |
| Repeller | G1099-20132 | G2589-20044 | G2589-20044 |
| Repeller insulator, 1/pk*** | G1099-20133 | G1099-20133 | G1099-20133 |
| Draw out plate, 3 mm | 05971-20134 | G2589-20100 | G3870-20444* |
| Draw out plate, 6 mm | G3163-20530 | G2589-20045 | G3870-20448* |
| Draw out plate, 9 mm | | G3440-20022 | G3870-20449* |
| Insulator, extractor lens ring | | | G3870-20445 |

* Extractor lens

** Qty required: 4

*** Qty required: 2

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Having trouble selecting the appropriate aperture diameters for the Agilent 5977A/B series ion sources?

[Click here](#) to download publication number 5991-2106EN

| Electron Ionization Ion Source Supplies | Stainless Source Part Number | Inert Source Part Number | Extractor Source Part Number |
|---|------------------------------|--------------------------|------------------------------|
| Wire, extractor lens | | | G7000-60827 |
| Jumper, extractor body | | | G3870-60827 |
| Draw out cylinder | G1072-20008 | G1072-20008 | |
| Ion focus lens | 05971-20143 | 05971-20143 | 05971-20143 |
| Entrance lens | G3170-20126 | G3170-20126 | G3170-20126 |
| Lens insulator | G3170-20530 | G3170-20530 | G3870-20530 |
| Setscrew M3x3L, gold-plated | G1999-20022 | G1999-20022 | G3870-20446 |
| Ion source body | G1099-20130 | G2589-20043 | G3870-20440 |
| Agilent 5977 GC/MSD ion source assembly | G3870-67750 | G3870-67700 | G3870-67720 |
| Ion source storage box | G1999-65001 | G1999-65001 | G1999-65001 |

| Chemical Ionization Ion Source Supplies | Part Number |
|---|-------------|
| Interface tip seal (captive type) | G3870-20542 |
| Interface tip seal/spring (noncaptive type) | G1999-60412 |
| High temperature filament, 2/pk | G7005-60072 |
| Cap screw, gold-plated, 1/pk* | G3170-20123 |
| Repeller | G1999-20432 |
| Repeller insulator* | G1999-20433 |
| Draw out plate | G1999-20446 |
| Draw out cylinder | G1999-20444 |
| Ion focus lens | G1999-20443 |
| Entrance lens | G3170-20126 |
| Lens insulator | G3170-20540 |
| Setscrew M3x3L, gold-plated | G1999-20022 |
| Source body | G3170-20430 |
| 350 CI ion source assembly | G3170-65404 |

*Qty required: 2

| MSD Filaments for Agilent 5977, 5975, and 5973 Series GC/MSD | Part Number |
|--|-------------|
| Filament (EI), 1/pk | G7005-60061 |
| Filament (CI), 2/pk | G7005-60072 |
| High efficiency (HES) dual filament, 1/pk | G7002-60001 |

| High Efficiency Source (HES) Supplies | Part Number |
|--|-------------|
| Interface tip seal (captive type) | G3870-20542 |
| High efficiency dual filament, 1/pk | G7002-60001 |
| Filament block | G7002-20019 |
| M2 x 6 mm pan head Torx screw, gold-plated, 1/pk* | G7002-20109 |
| Repeller assembly | G7002-67057 |
| Extractor spacer lens | G7002-20064 |
| Extractor lens 5 (3 mm opening) – standard | G7004-20061 |
| Extractor lens 5 (4 mm opening) – optional | G7004-20105 |
| Post extractor 1 lens (lens 4) | G7004-20004 |
| Post extractor 2 lens (lens 3) | G7004-20090 |
| Ion focus lens (lens 2) | G7004-20068 |
| Entrance lens (lens 1 - extended) | G7004-20065 |
| HES lens kit (1,2,3,4,5) | G7004-67255 |
| Lens insulator/holder | G7002-20074 |
| Lens insulator lock ring | G7002-20126 |
| Source body | G7002-20084 |
| Crest cup, M2 x 0.4 x 12 mm long, gold-plated, 1/pk* | G7002-20083 |
| High efficiency ion source assembly | G7004-67056 |

*Qty required: 2

Having trouble identifying the key MS parts you need?

Try the Parts Finder selection tool today: www.agilent.com/chem/partsfinder

| MS Interface Connections | Part Number |
|--|-------------|
| Recommended | |
| Column nut, self tightening, for MSD | 5190-5233 |
| Ferrule, 0.4 mm, VG, 0.1 - 0.25 column, 10/pk, short | 5181-3323 |
| Ferrule, 0.5 mm, VG, 0.32 column, 10/pk, short | 5062-3514 |
| Traditional brass nut | |
| Column nut for MS interface | 05988-20066 |
| Ferrule, 0.4 mm, VG cond, 0.1 - 0.25 column, 10/pk, long | 5062-3508 |
| Ferrule, 0.5 mm, VG cond, 0.32 column, 10/pk, long | 5062-3506 |
| Flexible Metal ferrule – for CFT devices | |
| Swaging nut, CFT devices | G2855-20555 |
| Ferrule, flexi inert, 0.25 mm column, 10/pk | G3188-27501 |
| Ferrule, flexi inert, 0.32 mm column, 10/pk | G3188-27502 |
| Ferrule preswaging tool, capillary flow | G2855-60200 |
| Flexible Metal ferrule plug (no hole), UltiMetal Plus, 10/pk | G3188-27504 |
| Tools | |
| Column installation tool for Agilent 5973/5975/5977 | G1099-20030 |

| Inlet Connections | Part Number |
|--|-------------|
| Recommended | |
| Column nut, self tightening, for inlet/GC detector | 5190-6194 |
| Ferrule, 0.4 mm, VG, 0.1 - 0.25 column, 10/pk, short | 5181-3323 |
| Ferrule, 0.5 mm, VG, 0.32 column, 10/pk, short | 5062-3514 |
| Flexible Metal ferrule/inert flow path | |
| Column nut, for long ferrule | 05921-21170 |
| Ferrule, flexi inert, 0.1 - 0.25 mm column, 10/pk | G3188-27501 |
| Ferrule, flexi inert, 0.32 mm column, 10/pk | G3188-27502 |
| Traditional | |
| Universal column nut, 2/pk | 5181-8830 |
| Tools | |
| Column install preswaging tool, metal ferrules | G3440-80218 |
| Column install preswaging tool, graphite ferrules | G3440-80217 |

| Electron Multipliers and Replacement Horn | Part Number |
|--|-------------|
| Agilent 5977 and 5975 series GC/MSD | |
| Triple axis detector assembly* | G3170-80105 |
| Electron multiplier | G3170-80103 |
| EM signal wire, low noise detector | G3170-80008 |
| Agilent 5975 and 5973 series GC/MSD | |
| Electron multiplier replacement horn (use with electron multipliers with "straight" horns) | 05971-80103 |
| High energy dynode | G1099-80001 |
| Agilent 5977B series GC/MSD | |
| Electron multiplier | G7002-80103 |

* Includes EM, HED, and bracket

| Pump Supplies | Part Number |
|---|-------------|
| Quiet Cover for GC/MS, for Agilent DS42, DS42i, Edwards E2M1.5, and Pfeiffer Duo 2.5 and Duo 3.0 vacuum pumps | G6014B |
| Agilent Vacuum Fluid 45 Gold, 1 L | 6040-0834 |
| High vacuum grease, 25 g | 6040-0289 |
| Diffusion pump fluid, 18.5 mL* | 6040-0809 |
| IDP series tip seal kit for Agilent 5975T LTM GC/MS | IDP3TS |
| Oil-mist filter for RV5 pump | G6600-80043 |
| Oil-mist filter for DS42 or DS42i | SR03706556 |
| IDP-3 scroll pump, for Agilent Turbo 5973, 5975, and 5977 series GC/MSD; includes the hose and fitting to upgrade any Agilent Turbo 5973, 5975, and 5977 series GC/MSD system to the IDP-3 pump | G6696A |
| IDP-3 tip seal maintenance kit; includes tip seal, tools, gloves, mask, and instructions | G7077-67018 |
| IDP-3 tip seal kit | 5190-9561 |
| Oil-mist filter for Pfeiffer duo 2.5/3.0 vacuum pumps | G1099-80039 |
| Foreline hose, imbedded spring | G7077-60119 |

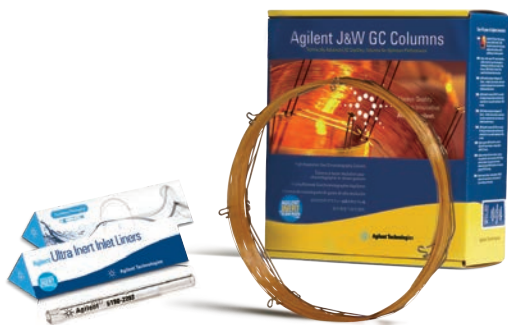
* Qty required for Agilent 5977, 5975, and 5973 series GC/MSD: 2

| Gas Clean Filters | Part Number |
|--|-------------|
| Gas Clean carrier gas kit for Agilent 7890 GC/MS; includes carrier gas filter, and an 1/8-inch connecting unit with bracket that installs directly on the 7890 GC/MS | CP17988 |
| GC/MS filter kit; includes an 1/8-inch connecting unit and GC/MS filters, 2/pk | CP17976 |
| Chemical ionization gas purifier for methane | 5190-9071 |
| Gas Clean CO ₂ filter | CP17969 |
| Gas Clean carrier filter GC/MS | CP17973 |
| Gas Clean oxygen filter | CP17970 |
| Gas Clean moisture filter | CP17971 |
| Gas Clean charcoal hydrocarbon filter | CP17972 |
| Gas Clean kit for Agilent 8890 and 8860 GC system; includes carrier gas filter, 1/8-inch connecting unit with bracket, and Gas Clean sensor | CP179880 |

| Ion Vacuum Gauges | Part Number |
|--|-------------|
| Agilent 5977 series GC/MSD | |
| Micro-ion vacuum gauge | G3870-80030 |
| Agilent 5975 series GC/MSD | |
| Micro-ion vacuum gauge | G3170-80001 |
| Agilent 5975T LTM GC/MS | |
| Ion gauge controller | G3880-80010 |
| Ion gauge tube | G3880-80011 |
| Agilent 5973 series GC/MSD | |
| Triode gauge tube for measuring vacuum | 0960-0897 |

| Tools | Part Number |
|--|-------------|
| Screwdriver, 3 in Pozidriv shaft No. 1 pt, fits No. 2-4 screws | 8710-0899 |
| Screwdriver, 4 in Pozidriv shaft No. 2 pt, fits No. 5-10 screws | 8710-0900 |
| Open end wrench, 1/4 inch and 5/16 inch | 8710-0510 |
| Ball driver, 1.5 mm | 8710-1570 |
| Hex nut driver, 5.5 mm | 8710-1220 |
| Screwdriver, Torx T20 | 8710-1615 |
| Screwdriver, Torx T15 | 8710-1622 |
| Screwdriver, Torx T10 | 5182-3466 |
| Hand-held tool, M5, for plug removal of the foreline pump | 8710-1838 |
| Hex key, 8 mm, for DS42 | 8710-2326 |

| Cleaning and Maintenance Supplies | Part Number |
|---|-------------|
| Nylon gloves, lint-free, large, one pair | 8650-0030 |
| Nylon gloves, lint-free, small, one pair | 8650-0029 |
| Industrial wipes, lint-free, 23 x 23 cm, 100% cotton, 300/pk | 9310-4828 |
| Cloths, lint-free, 23 x 23 cm, 100% cotton, 15/pk | 05980-60051 |
| Ion source cleaning kit; includes lint-free cloths (15/pk), abrasive sheets (5/pk), cotton swabs (100/pk), lint-free nylon gloves, alumina powder, abrasive | 5181-8863 |
| Cotton swabs, 100/pk | 5080-5400 |
| Aluminum oxide powder, 100 g (recommended) | 393706201 |
| GC/MS tuning standard, certified, PFTBA 0.5 mL standard | 05971-60571 |
| Tuning standards, certified, PFTBA, 10 g, 5.32 mL | 8500-0656 |
| Tuning standards, PFDTD, 1 mL | 8500-8510 |
| GC/MS checkout standard, for High Mass, PFHT | 5188-5357 |
| Replacement glass bulb for PFTBA and PFDTD test sample (for Agilent 5975 and 5977 GC/MSD systems) | G3170-80002 |
| Replacement glass vial for PFTBA and PFDTD test sample (for Agilent 5973 GC/MSD system) | 05980-20018 |
| MSD tool kit; includes source hold tool, lint-free cloth, cotton swabs, lint-free nylon gloves, abrasive sheets, wrenches, driving tools | G7077-60566 |
| GC/MS checkout standard | 05970-60045 |



Agilent Inert Flow Path solutions

Ensure a reliably inert GC flow path for higher sensitivity, accuracy, and reproducibility... especially at trace levels. Flow path inertness is vital to your analysis; it is also on the cutting edge of GC. As the GC industry's premier measurement company, Agilent is uniquely positioned to ensure the inertness of every surface that touches your sample, so you can achieve the parts-per-billion—or parts-per-trillion—detection levels that today's analyses demand.

By minimizing activity along every step of the GC and GC/MS flow path, Agilent Inert Flow Path solutions improve system performance, ensure better results, and allow you to process more samples without unplanned maintenance and recalibration.

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www.agilent.com/chem/5977b

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