

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?

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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	G7005-60005	G7005-60005	G7005-60005

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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