

Kits, Fittings, Tools and Accessories

GC Installation Kits

Agilent Installation Kits for GC are designed to provide you with the essential items necessary for a successful installation while providing a substantial cost saving over individual purchases.

GC Installation Kit with Gas Purifiers

| Description | Unit | Part No. |
|--|-------|-----------|
| GC Installation Kit with Gas Purifiers | | 19199N |
| Gas Clean Filter Kit, 1/8 in | | CP736530 |
| Snoop, 8 oz (236 mL) bottle | | 9300-0311 |
| 1/8 in brass nut and ferrule set | 20/pk | 5080-8750 |
| Copper tubing, 1/8 in, 50 ft | | 5180-4196 |
| 1/8 in tee, brass | 2/pk | 5180-4160 |
| 1/8 in cap, brass | 6/pk | 5180-4121 |
| Universal/external split vent trap with 3 cartridges | | RDT-1020 |
| Tubing Cutter | | 8710-1709 |



Gas Clean Filters



Low dead volume tee, 5180-4160



1/8 in brass cap, 5180-4121



GC Installation Kit with Tools (no gas purifiers),
19199M

GC Installation Kit with Tools (no gas purifiers)

| Description | Unit | Part No. |
|---|-------|-----------|
| GC Installation Kit with Tools (no gas purifiers) | | 19199M |
| Snoop, 8 oz (236 mL) bottle | | 9300-0311 |
| 1/8 in brass nut and ferrule set | 20/pk | 5080-8750 |
| Copper tubing, 1/8 in, 50 ft, precleaned | | 5180-4196 |
| 1/8 in tee, brass | 2/pk | 5180-4160 |
| Tubing cutter, 1/8 to 5/8 in od tubing | | 8710-1709 |
| 1/8 in cap, brass | 6/pk | 5180-4121 |
| Nut driver, 7 mm | | 8710-1217 |
| Screwdriver, Torx T10 | | 5182-3466 |
| Screwdriver, Torx T20 | | 5182-3465 |
| Open end wrench, 1/4 and 5/16 in | | 8710-0510 |
| Open end wrench, 7/16 and 9/16 in | | 8710-0803 |
| Open end wrench, 7/16 and 3/8 in | | 8710-0972 |
| Wrench, 1/2 and 7/16 in | | 8710-0806 |

GC Basic Installation Kit

| Description | Part No. |
|--|-----------|
| GC Basic Installation Kit | 5182-3453 |
| Includes copper tubing, column nuts, a gas trap for the carrier gas, and five wrenches | |

Tubing

| Description | OD (in) | ID (mm) | Length | Part No. |
|---------------------------------------|---------|---------|--------|------------|
| Precleaned Copper tubing | 1/8 | 2.1 | 50 ft | 5180-4196 |
| Precleaned Copper tubing | 1/4 | 4.83 | | 3700014600 |
| Precleaned Copper tubing | 1/8 | 2.1 | 12 ft | 5021-7107 |
| Copper tubing | 1/16 | 3.25 | 50 ft | AL30509 |
| Pretreated 316 stainless steel tubing | 1/8 | 2.1 | 25 m | CP4026 |
| Pretreated 316 stainless steel tubing | | | 20 ft | 7157-0210 |
| Pretreated 316 stainless steel tubing | | | 10 m | CP4025 |
| Pretreated 316 stainless steel tubing | | | 5 m | CP4024 |
| Pretreated 316 stainless steel tubing | 1/4 | 4.3 | 25 m | CP4032 |
| Pretreated 316 stainless steel tubing | | | 5 m | CP4030 |
| Pretreated 316 stainless steel tubing | | | 1 m | CP4013 |
| PFA tubing | 1/16 | 0.76 | 25 ft | AL45734 |

Fittings

Nuts, Front and Back Ferrule Sets

| Description | Unit | Brass | Stainless Steel |
|-------------|-------|-----------|-----------------|
| 1/16 in | 10/pk | | 5180-4149 |
| 1/8 in | 20/pk | 5080-8750 | 5080-8751 |
| 1/4 in | 20/pk | 5080-8752 | 5080-8753 |

Nuts

| Description | Unit | Brass | Stainless Steel |
|-------------------|-------|-----------|-----------------|
| 1/16 in, male nut | 10/pk | SWB1021 | 5180-4102 |
| 1/16 in | 1/ea | | 0100-0053 |
| 1/8 in | 10/pk | 5180-4103 | 5180-4104 |
| 1/8 in | 1/ea | 0100-0058 | 0100-0057 |
| 1/4 in | 10/pk | 5180-4105 | 5180-4106 |

Front Ferrules

| Description | Unit | Brass | Stainless Steel |
|--------------------------|-------|------------|-----------------|
| 1/16 in | 10/pk | | 5180-4108 |
| 1/4 in | 1/ea | 2869463500 | |
| 1/16 in, Valco one piece | 10/pk | | 5181-1292 |
| 1/8 in | 10/pk | 5180-4109 | 5180-4110 |
| 1/4 in | 10/pk | 5180-4111 | SWSS4031 |



Brass nut and ferrule set, 5080-8750



Stainless steel front ferrules, 5180-4108



Front ferrules, stainless steel, 5181-1292



Front ferrules, 5180-4109



Front ferrules, 5180-4111



Back ferrules, 5180-4115



Back ferrules, 5180-4117



1/8 in brass cap, 5180-4121



1/4 in brass cap, 5180-4120



1/8 in plug, 5180-4124



1/4 in plug, 5180-4125

Back Ferrules

| Description | Unit | Brass | Stainless Steel |
|-------------|-------|-----------|-----------------|
| 1/16 in | 10/pk | 5180-4113 | 5180-4114 |
| 1/8 in | 10/pk | 5180-4115 | 5180-4116 |
| 1/4 in | 10/pk | 5180-4117 | SWSS4041 |

Caps

| Description | Unit | Brass |
|-------------|------|-----------|
| 1/8 in | 6/pk | 5180-4121 |
| 1/4 in | 6/pk | 5180-4120 |

Plugs

| Description | Unit | Brass |
|-------------|------|-----------|
| 1/8 in | 6/pk | 5180-4124 |
| 1/8 in | 1/ea | 0100-0071 |
| 1/6 in | 1/ea | 0100-1315 |
| 1/4 in | 6/pk | 5180-4125 |

Blanking Nut

| Description | Unit | Stainless Steel |
|-------------|------|-----------------|
| 1/16 in | 1/ea | 01080-83202 |



Stainless steel blanking nut, 01080-83202

Adapter

| Description | Unit | Brass |
|-----------------|------|-----------|
| 1/8 in x 1/8 in | 1/ea | 0100-0420 |



Brass adapter, 0100-0420

Hose Connector

| Description | Unit | Brass |
|-------------|-------|-----------|
| 1/16 in | 10/pk | 5180-4148 |



Low dead volume tee, 0100-0782

Tees

| Description | Unit | Brass | Stainless Steel |
|------------------------------------|------|-----------|-----------------|
| 1/16 in | 1/ea | 0100-0680 | 0100-0782 |
| 1/8 in | 1/ea | 0100-0090 | 0100-0542 |
| | 2/pk | 5180-4160 | |
| 1/8 in, for O ₂ gas mix | 1/ea | | 0100-0542 |
| 1/4 in | 1/ea | 0100-0088 | 0100-0089 |
| | 2/pk | 5180-4129 | |
| 1/6 in, low dead volume | 1/ea | | 0100-0969 |



Stainless steel tee, 0100-0542



Low dead volume tee, 5180-4160



Brass cross, 0100-0161



Brass cross, 0100-0985



Brass union, 0100-1316



Stainless steel union, 0100-0124



1/8 in brass union, 5180-4127



1/4 in brass union, 5180-4128



ZDV union with fittings, 0100-0900

Crosses

| Description | Unit | Brass |
|-------------|------|-----------|
| 1/8 in | 1/ea | 0100-0161 |
| 1/8 in | 1/ea | 0100-0996 |
| 1/4 in | 1/ea | 0100-0985 |

Elbows

| Description | Unit | Brass |
|-------------|------|-----------|
| 1/8 in | 1/ea | 0100-0091 |
| 1/8 in | 1/ea | 0100-0092 |

Unions

| Description | Unit | Brass | Stainless Steel |
|-------------|------|-----------|-----------------|
| 1/16 in | 1/ea | 0100-1316 | 0100-0124 |
| 1/8 in | 2/pk | 5180-4127 | |
| | 1/ea | | 0100-0126 |
| 1/4 in | 2/pk | 5180-4128 | |
| | 1/ea | | 0100-0128 |

Zero Dead Volume Unions

| Description | Unit | Stainless Steel |
|-------------|------|-----------------|
| 1/16 in | 1/ea | 0100-0900 |

Bulkhead Unions

| Description | Unit | Brass | Stainless Steel |
|-------------|------|-----------|-----------------|
| 1/8 in | 1/ea | 0100-0132 | 0100-0133 |

Connectors (Swagelok to Male NPT)

| Description | Unit | Brass | Stainless Steel |
|--------------------------|------|-----------|-----------------|
| 1/16 in (A) x 1/4 in (B) | 1/ea | | CP741648 |
| 1/8 in (A) x 1/4 in (B) | 2/pk | 5180-4143 | |
| 1/8 in (A) x 1/8 in (B) | 1/ea | 0100-0110 | 0100-0111 |
| 1/4 in (A) x 1/4 in (B) | 1/ea | 0100-0208 | 0100-1189 |
| | 2/pk | 5180-4145 | |



Connector (Swagelok-style to male NPT), 5180-4143



Connector (Swagelok-style to male NPT), 5180-4145



Connector (Swagelok-style to female NPT), 0100-0118



Connector (Swagelok-style to female NPT), 0100-0119

Connectors (Swagelok to Female NPT)

| Description | Unit | Brass | Stainless Steel |
|--------------------------|------|-----------|-----------------|
| 1/8 in (A) x 1/4 in (B) | 1/ea | 0100-0118 | SWSS20074 |
| 1/4 in (A) x 1/4 in (B)* | 1/ea | 0100-0119 | |

*Required for plumbing 1/4 in tubing to regulators

Reducing Unions

| Description | Unit | Brass | Stainless Steel |
|------------------|------|-----------|-----------------|
| 1/16 in x 1/8 in | 2/pk | 5180-4130 | |
| | 1/ea | | 0100-0241 |
| 1/8 in x 1/4 in | 2/pk | 5180-4131 | |
| | 1/ea | | 0100-0121 |



Reducing union, 5180-4130



Reducing union, 5180-4131



Reducing union, 0100-0241



Reducing union, 0100-0121



Reducer, 5180-4135



Reducer, 5180-4134



Front ferrules, 5180-4109



Front ferrules, 5180-4111



Back ferrules, 5180-4115



1/4 in brass cap, 5180-4120



1/8 in brass cap, 5180-4121



1/8 in plug, 5180-4124



1/8 in brass union, 5180-4127



1/4 in brass union, 5180-4128



Low dead volume tee, 5180-4160

Reducers

| Description | Unit | Brass | Stainless Steel |
|-------------------------|------|-----------|-----------------|
| 1/8 in (A) x 1/4 in (B) | 2/pk | 5180-4135 | |
| 1/6 in (A) x 1/8 in (B) | 1/ea | | 0100-0073 |
| 1/4 in (A) x 1/8 in (B) | 2/pk | 5180-4134 | |

Fittings Kit

| Description | Unit | Part No. |
|--|-------|-----------|
| Fittings Kit: Includes items below | | 5180-4161 |
| 1/8 in nut, brass | 10/pk | 5180-4103 |
| 1/4 in nut, brass | 10/pk | 5180-4105 |
| 1/8 in front ferrule, brass | 10/pk | 5180-4109 |
| 1/4 in front ferrule, brass | 10/pk | 5180-4111 |
| 1/8 in back ferrule, brass | 10/pk | 5180-4115 |
| 1/4 in back ferrule, brass | 10/pk | 5180-4117 |
| 1/4 in cap, brass | 6/pk | 5180-4120 |
| 1/8 in cap, brass | 6/pk | 5180-4121 |
| 1/8 in plug, brass | 6/pk | 5180-4124 |
| 1/4 in plug, brass | 6/pk | 5180-4125 |
| 1/8 in union, brass | 2/pk | 5180-4127 |
| 1/4 in union, brass | 2/pk | 5180-4128 |
| 1/8 in tee, brass | 2/pk | 5180-4160 |
| 1/4 in tee, brass | 2/pk | 5180-4129 |
| 1/8 x 1/4 in reducing union, brass | 2/pk | 5180-4131 |
| 1/4 in (A) x 1/8 in (B) reducer, brass | 2/pk | 5180-4134 |
| 1/8 in (A) x 1/4 in (B) reducer, brass | 2/pk | 5180-4135 |

Tools

General Laboratory Tool Kit

The general laboratory tool kit includes the following items:

- Toolbox
- Flashlight
- 8 in bastard file
- 6 in adjustable wrench
- 12 in adjustable wrench for use with regulator
- No. 1 pt, 3 in Pozidriv shaft, fits no. 2-4 screws
- No. 2 pt, 4 in Pozidriv shaft, fits no. 5-10 screws
- Flathead screwdriver, 2 in steel shaft, 1/8 in blade
- Flathead screwdriver, 4 in steel shaft, 1/4 in blade
- Hex key set, 1.5, 2, 2.5, 3, 4, 5, and 6 mm keys
- 6 in long jaw needle nose pliers with side cutters
- Three open-end wrenches (1/4 x 5/16 in, 1/2 x 9/16 in, 7/16 x 3/8 in)
- Snoop-liquid leak detector
- PTFE tape

| Description | Part No. |
|-----------------------------|-----------|
| General laboratory tool kit | 5180-4162 |

Wrenches

| Description | Part No. |
|---|-----------|
| Open end wrench, 1/4 and 5/16 in | 8710-0510 |
| Wrench, 1/2 and 7/16 in | 8710-0806 |
| Open end wrench, 7/16 and 9/16 in | 8710-0803 |
| Open end wrench, 7/16 and 3/8 in | 8710-0972 |
| Adjustable wrench, 12 in, for use with regulators | 8710-1712 |
| Open end wrench, 9/16 and 5/8 in | 8720-0010 |
| Open end wrench, 1/2 and 9/16 in | 8720-0025 |
| Open end wrench, 14 mm | 8710-1924 |
| Open end wrench, 12 mm, 116 mm long | 8710-1841 |
| Open end wrench, 4 mm | 8710-1534 |

LC Tool Kits

| Description | Part No. |
|----------------------|-------------|
| HPLC system tool kit | G4203-68708 |
| Compact tool kit | G4296-68715 |

Screwdrivers

| Description | Part No. |
|---|-----------|
| Screwdriver, 3 in Pozidriv shaft No. 1 pt | 8710-0899 |
| Screwdriver, 4 in Pozidriv shaft No. 2 pt | 8710-0900 |
| Screwdriver, Torx T10 | 5182-3466 |
| Screwdriver, Torx T20 | 5182-3465 |



General laboratory tool kit, 5180-4162



HPLC system tool kit, G4203-68708

Pliers and Tweezers

| Description | Part No. |
|---|-----------|
| Needle nose pliers, pointed serrated jaws | 8710-0004 |
| Tweezers, 4-3/4 in long | 8710-0007 |
| Truarc pliers | 8710-0018 |

Tube Cutters and Replacement Blades

| Description | Unit | Part No. |
|--|------|-----------|
| Precision tubing cutter for 1/16 in stainless steel tubing | | 5190-1442 |
| Hi-duty tubing cutter, 1/8 to 1-1/8 in od tubing | | 8710-1707 |
| Hi-duty tubing cutter blades | 5/pk | 8710-1708 |
| Tubing cutter, 1/8 to 5/8 in od tubing | | 8710-1709 |
| Plastic tubing cutter | | 8710-1930 |
| Blades for plastic cutter, 5/pk | 5/pk | 8710-1931 |



Plastic tubing cutter, 8710-1930

Hex Keys

| Description | Part No. |
|---|-----------|
| Hex key set: 1.5, 2, 2.5, 3, 4, and 5 mm keys, 1090A (5880/90A) | 8710-0641 |
| Hex key, 4 mm, 15 cm long, T-handle | 8710-2392 |
| Hex key, 3 mm, 12 cm long, straight handle | 8710-2411 |
| Hex key, 2.5 mm, 15 cm long, straight handle | 8710-2412 |
| Hex key, 1.5 mm, 10 cm long, straight handle | 8710-2393 |
| Hex key, 9/64 in, 15 cm long, T-handle | 8710-2394 |
| Hex key, 4.0 mm, 10 cm long, straight handle | 5965-0027 |
| Hex key, 2.5 mm, 10 cm long, straight handle | 5965-0028 |
| Tool kit hex keys, Rheotool* | 5064-8211 |
| Includes 3 hex keys, 4 mm, 1.5 mm, and 9/64 in, with straight or T-handle plus Rheotool | |



Hex keys, Rheotool, 5064-8211

*These tools are recommended for easier repair and maintenance of LC modules.

GC Column Accessories

Capillary Column Installation Kit

The Capillary Column Installation Kit contains:

- Diamond-tipped pencil
- 20x magnifier
- Ferrule removal tool
- Septum removal tool
- Refillable 2 oz bottle of Snoop

| Description | Part No. |
|--|----------|
| Capillary Column Installation Kit with diamond-tipped cutting pencil | 430-2000 |



Column installation kit, 430-2000

Capillary Column Rinse Kit

This kit makes solvent rinsing easy! Solvent rinsing removes many contaminants that accumulate in columns. The contaminants are removed by passing solvents through the column. Only bonded and cross-linked phase columns should be rinsed, or permanent damage to the column will result.

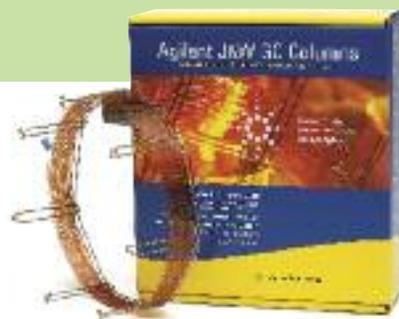
| Description | Part No. |
|----------------------------|----------|
| Capillary Column Rinse Kit | 430-3000 |



Column rinse kit, 430-3000

TIPS & TOOLS

View the latest Agilent J&W GC column focused applications, products and educational resources at www.agilent.com/chem/mygccolumns





Fused silica tubing cutters

Fused Silica Tubing Cutters

We offer a conveniently designed, pencil-shaped tool and a ceramic wafer that allow you to make clean and easy cuts in fused silica, glass and aluminum-clad capillary columns.

| Description | Part No. |
|---|-----------|
| Diamond-tipped column cutting pencil | 420-1000 |
| Ceramic wafer column cutter, 4/pk | 5181-8836 |
| Column cutter with rotating diamond blade | 5183-4620 |
| Replacement diamond blade (for 5183-4620) | 5183-4621 |

Column Baskets and Hangers

| Description | Part No. |
|---|-------------|
| 13 cm, 5 in basket for 6850 capillary columns | 19091-80060 |
| Column hanger for 5 in basket | G2630-80800 |
| Column hanger clip kit for 7 in basket | G1530-61580 |
| Column hanger for 6890, 5890, 5880A | 1460-1914 |



Column cutting tool, 5183-4620

Miscellaneous Tools

Ferrule Tools

Remove ferrules stuck inside fittings. Screw the stainless steel ferrule tool into the ferrule and pull it out. Use the smaller capillary ferrule tool for capillary column ferrules (0.32 mm id column and smaller). The megabore ferrule tool is used for megabore ferrules. The liner tool can be used to remove polyimide and tubing from inside a megabore liner. The column ferrule installation tool positions a ferrule onto a capillary column for proper installation.

| Description | Part No. |
|---------------------------------------|-------------|
| Capillary ferrule tool | RFT-2500 |
| Megabore ferrule tool | RFT-5300 |
| Column ferrule installation tool | 19251-80680 |
| MS interface column installation tool | G1099-20030 |



Capillary and megabore ferrule tool

20x Magnifier

Examine column ends for proper cuts. Jagged, rough, or non-perpendicular cuts negatively affect chromatographic performance.

| Description | Part No. |
|---------------|----------|
| 20x Magnifier | 430-1020 |



Magnifier, mirror, microprobes

Microprobes

Hardened stainless steel probes remove septum and ferrule pieces stuck in fittings. Five different styles give you all of the angles necessary for getting into those hard-to-reach places.

| Description | Part No. |
|-------------|----------|
| Microprobes | RMP-5005 |

Mirror

Inspect injection ports, the inside of fittings, and other hard-to-reach places.

| Description | Part No. |
|-------------|----------|
| Mirror | 707-0027 |

Snoop

Leak test most pressurized gas systems. We recommend that leak detecting solutions be used with care where there is any possibility of the fluid being aspirated into gas flow streams supplying the column or detector. This squeezable bottle comes with a "Snooper Tube" extendable up to 12 in (30 cm). Electronic leak detectors are preferred. In their absence, a volatile nonreactive solvent like isopropanol may be used. Use caution to avoid aspiration of materials such as Snoop into the column.



Snoop

| Description | Part No. |
|-----------------------------|-----------|
| Snoop, 8 oz (236 mL) bottle | 9300-0311 |
| Snoop, 1 gallon bottle | 460-1002 |



Injection port cleaning kit, 480-0003

Injection Port Cleaning Kit

If changing the liner and trimming the column does not remove contamination from your injection port, you probably need to clean and flush your injection port. Three stainless steel brushes and a scraper are the ideal tools for removing sample residue and septum particles. The stainless steel brushes have diameters of 5 mm, 1/4 in, and 3/8 in.

| Description | Part No. |
|-----------------------------|----------|
| Injection Port Cleaning Kit | 480-0003 |



Septum tool with knurled handle, 450-1000

Miscellaneous Injection Port Tools

| Description | Part No. |
|--------------------------------------|-----------|
| Septum tool, knurled handle | 450-1000 |
| Ferrule removal tool | 440-1000 |
| Capillary inlet cleaning wires, 5/pk | 5180-4153 |
| Cotton swabs, 100/pk | 5080-5400 |



Capillary inlet cleaning wires, 5180-4153

FID Cleaning Kit

This easy-to-use maintenance kit improves sensitivity, reduces noise, and decreases detector spiking.

| Description | Part No. |
|------------------|-----------|
| FID cleaning kit | 9301-0985 |



FID cleaning kit, 9301-0985

12-Piece File Set

This 12-piece file set scores glass, removes burrs from metal tubing, and cleans threads. The files are 5-1/2 in long.

| Description | Part No. |
|-------------------|----------|
| 12-Piece File Set | RSF-1200 |