

Keep Your Lab Flowing: Routine Maintenance Supplies for Agilent LCs

Replace these crucial components as recommended to reduce downtime and protect your valuable analytical data.



**Reliable,
Top-Quality Supplies
You Need to Maintain
Every GC and LC in Your Lab**

Clean and Maintain Your FID with Kits and Replacement Parts

- Cleaning kits for ANY injection port.
- Handy maintenance kits with the most common consumable GC supplies and tools.



Protect Your Instruments and Avoid Downtimes

Easy-to-use Thomson SINGLE StEP filter vials provide fast sample filtration.



Pure Chromatography

www.restek.com



Clean and Maintain Your FID with Kits and Replacement Parts

Use Restek's FID/Injector Cleaning Kit with ANY Injection Port!

Description	cat.#
FID/Injector Cleaning Kit	20120



FID Maintenance Kits

Our FID maintenance kits for Agilent GCs include the most common consumable GC supplies and tools. A parts list makes reordering easy, and all parts meet or exceed the performance of the instrument manufacturer's parts.



Description	Instrument	cat.#
FID Maintenance Kit	for Agilent 5890 GCs	22180
	for Agilent 6850/6890/7890 GCs	22179

FID Ignitor



Description	Instrument	qty.	cat.#
FID Ignitor	for Agilent 5890/6850/6890/7890 GCs (Also fits OI Analytical 4410 detector)	ea.	21001

*Also fits OI Analytical 4410 detector (similar to OI part # 191833).

Replacement FID Jets for Your System

Whether it's Agilent, PerkinElmer, Shimadzu, or Thermo Scientific, we have you covered.



Find the full selection at www.restek.com/jets

All You Need to Clean and Polish Your Ion Source



GC-MS Cleaning Kit

Poor sensitivity, loss of sensitivity at high masses, or high multiplier gain during an auto-tune are all indicators that your mass spectrometer source may need to be cleaned. These kits contain all of the necessary components for cleaning and polishing your ion source.

Description	qty.	cat.#
Mass Spec Cleaning Kit with Rotary Tool	kit	27194
Mass Spec Cleaning Kit without Rotary Tool	kit	27195

Replacement Chemical Traps and Parts for Agilent GCs

- Easy to install.
- Attach to same fittings as original manufacturer's equipment.



Description	Includes	Instrument	qty.	Similar to Part #	cat.#
Replacement Split Vent Trap	Built-in frits	for Agilent 6850/6890 GCs	ea.	Agilent G1544-80550	22820
Replacement Chemical Trap	Built-in frits	for Agilent 5890 GCs	ea.	Agilent 05890-61260	21610
Split Vent Line (32-inch)	All installation hardware	for Agilent GCs	2-pk.		22800
O-Rings		for Agilent Trap Fittings	25-pk.	Agilent 5180-4181	22064
Optional Split Vent Trap Assembly	Built-in frits	for Agilent 6850/6890 GCs	kit	Agilent G1544-60610	23031
Replacement Traps (2) and O-Rings (4)	Built-in frits	for Agilent GCs	kit	Agilent 5188-6495, G1544-80530	23032

High-Capacity Split Vent Trap

- Reduces the release of hazardous materials from the capillary split vent into the lab.
- Includes connecting lines and mounting kit.



Description	Fittings	Dimensions	qty.	Similar to Part #	cat.#
High-Capacity Split Vent Trap	1/8"	6" x 1" (15.2 x 2.5 cm)	ea.	Agilent 5181-8802	20698
	1/8"	6" x 1" (15.2 x 2.5 cm)	5-pk.	Agilent 5181-8802	20699

For links to a range of great resources, check out "Spring Cleaning Your GC System" on ChromaBLOGraphy (blog.restek.com)

www.restek.com/GCacc = Less downtime + faster analyses

Feed Your GC High-Purity Gas with Minimal Downtime for Filter Changeouts

- High-purity output ensures 99.9999% pure gas (at max. flow of 2 L/min).
- Designed for easy, hassle-free cartridge changes.

All traps measure:

10 5/8" x 1 3/4" (27 x 4.4 cm)

Restek Super Clean Ultra-High Capacity Hydrocarbon Filter

Description	qty.	cat.#
Ultra-High Capacity Hydrocarbon Filter	ea.	22030

Restek Super Clean Ultra-High Capacity Moisture Filter

Description	qty.	cat.#
Ultra-High Capacity Moisture Filter	ea.	22028

Restek Super Clean Ultra-High Capacity Oxygen Filter

Description	qty.	cat.#
Ultra-High Capacity Oxygen Filter	ea.	22029

Replacement Gas Filters for Restek Super Clean Gas Filter Kits

Description	qty.	cat.#
Replacement Helium-Specific Gas Filter (removes oxygen, moisture, and hydrocarbons)	ea.	21982
Replacement Triple Gas Filter (removes oxygen, moisture, and hydrocarbons)	ea.	22020

Control Your Routine Gas Filter Maintenance Schedule

Description	Includes	qty.	cat.#
Electronic Indicator for Standard Super Clean Gas Filters	Battery, USB cable, and mounting clip	ea.	22645
Electronic Indicator for Click-On In-Line Super Clean Gas Filters	Battery, USB cable, and mounting clip	ea.	22646
Electronic Indicator for Click-On In-Line Super Clean Big Trap Gas Filters	Battery, USB cable, and mounting clip	ea.	22647



Custom Flexibility with Restek Reference Standards

- Let us formulate the CRM you need to keep your lab up and running.
- ISO accreditation covers our catalog standards and your custom orders.
- Feasibility verification for every order.
- Top-quality, highly stable product whether it's a stock, off-the-shelf standard or a one-of-a-kind, custom-formulated solution.

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Supplies and Accessories Proven to Make Your Lab Life Easier at www.restek.com



Keep Your Lab Flowing with RM on Your Agilent 1100 & 1200 HPLC Systems



25466



52578



25276

Description	Model #	qty.	Similar to Agilent Part #	cat.#
Piston Seals, PTFE w/Graphite, Black	1050, 1100, 1200	2-pk.	5063-6589	22482
Pump Block Piston Seal	1050, 1100, 1200	2-pk.	0905-1420	25918
Frits, PTFE	1050, 1100, 1200	5-pk.	01018-22707	25466
Outlet Cap & Gold Seal Assembly	1050, 1100, 1200, 1220, 1260, 1290	2-pk.	5067-4728	25890
Rotor Seal, 400 Bar, 2-Groove	1100, 1200	ea.	0100-1853	25275
Active Inlet Cartridge, 400 Bar	1050, 1100, 1200	ea.	5062-8562	26393
Outlet Ball Valve	1050, 1100, 1200	ea.	G1311-60012	25276
Outlet Ball Valve, Binary Pump	1100, 1200	ea.	G1312-60012	25267
Outlet Check Valve	1100, 1200, 1220, 1260	ea.	G1312-60067	25765
Needle Assembly	1100, 1200	ea.	G1313-87201	25278
Needle Assembly, 900 µL	1100, 1200	ea.	G1313-87202	25916
Needle Seat, PEEK	1100, 1200, 1220, 1260, G1313A, G1392A/B	ea.	G1329-87017	25767
Plunger Assembly	1050, 1100, 1200, 1220, 1260	ea.	5063-6586	25273
Stator Face Assembly	1100, 1200	ea.	0100-1851	26424
Isolation Seal for Injection Valve	1100, 1200	ea.	0100-1852	25917
Lamp, DAD G1315A, G1365A	1100, 1200 (Compatible with 1260.)	ea.	2140-0590	25261
Lamp, DAD Long-Life Deuterium (2,000 hours)	1100, 1200 DAD	ea.	5181-1530	25399
Deuterium Lamp (2,000 hours)	1100 DAD/MWD/1200 (Compatible with 1260.)	ea.	2140-0813	25888
Seal Wash Kit (2 seals, 6 gaskets)	1050, 1100, 1200	kit		25269



25890



25273



25261

Simplify Your Routine LC Maintenance with These Handy Kits

Autosampler Preventive Maintenance Kit

for Agilent 1100, 1200 HPLC Systems

Includes	Similar to Part #	cat.#
Rotor seal; piston seals (2); needle assembly; needle seat; finger caps (3)	Agilent G1313-68709	25271

Pump PM Kit

for Agilent 1050, 1100, 1200 HPLC Systems

Includes	Similar to Part #	cat.#
PTFE frits (2); outlet cap; gold disk seal; active inlet cartridge; piston seals (4); glass solvent filters (2)	Agilent G1311-68710	25270

Pump Maintenance Kit

for Agilent 1100, 1200 HPLC Systems

Includes	Similar to Part #	cat.#
Sapphire plunger (2); piston seals (2); outlet ball check valve; active inlet cartridge; PTFE frits (5)	Agilent 5065-4499	25915

For more LC maintenance kits, visit www.restek.com/LCmaintenance



Keep your work flowing with Restek's LC routine maintenance parts: www.restek.com/LCacc

Stop Particulates Before They Reach Your Injector and Rob Productivity

Fast, Eco-Friendly Filtration with Just a Squeeze of Your Fingers

- Vials minimize sample loss by eliminating multiple transfers.
- Color-coded caps allow easy identification of 0.2 µm or 0.45 µm membranes in PVDF, PTFE, PES, or nylon.
- Low dead volume units feature rugged polypropylene vial and insert.
- Fit most standard 12x32 mm autosamplers, including UHPLC instruments.



Thomson SINGLE StEP Standard Filter Vials

Description	Porosity	qty.	cat. #
Nylon			
black preslit cap	0.2 µm	100-pk.	25891
pink preslit cap	0.45 µm	100-pk.	25892
PES (polyethersulfone)			
grey preslit cap	0.2 µm	100-pk.	25897
PTFE (polytetrafluoroethylene)			
green preslit cap	0.2 µm	100-pk.	25893
blue preslit cap	0.45 µm	100-pk.	25894
PVDF (polyvinylidene fluoride)			
red preslit cap	0.2 µm	100-pk.	25895
yellow preslit cap	0.45 µm	100-pk.	25896

Patent No. 7,790,117

*Also available in eXtreme,
low-evaporation, and nano versions at*

www.restek.com/singlestep

Wide Variety of Vials, Caps, and Septa for Your Lab

2.0 mL, 9 mm Short-Cap, Screw-Thread Vials (vial only)

Modification	Color	Size	100-pk. cat. #
w/White Graduated Marking Spot	Clear	12 x 32 mm	21140



2.0 mL, 11 mm Crimp-Top Vials, 12 x 32 mm

Modification	Type	Color	Material	Size	100-pk. cat. #
w/White Graduated Marking Spot	11 mm Crimp-Top	Clear	Glass	12 x 32 mm	24383
w/White Graduated Marking Spot	11 mm Crimp-Top	Amber	Glass	12 x 32 mm	24385



2.0 mL, 9 mm Short-Cap, Screw-Vial Closures (Polypropylene, preassembled)

Type	Color	Septa Material	100-pk. cat. #
Screw-Thread	Blue	PTFE/Butyl Rubber	24473
Screw-Thread	Blue	PTFE/Silicone	24485
Screw-Thread	Green	PTFE/Silicone	24487
Screw-Thread	Yellow	PTFE/Silicone	24493



2.0 mL, 11 mm Aluminum Crimp Seals with Septa

Type	Color	Material	Septa Material	100-pk. cat. #
Crimp-Top	Silver	Aluminum	PTFE/Natural Rubber	21174
Crimp-Top	Blue	Aluminum	PTFE/Red Rubber	24351
Crimp-Top	Silver	Aluminum	PTFE/Silicone	24359



Find the right vial fast with our new online selection tool at www.restek.com/vial-selector

Standard Microliter Syringes

for Agilent 7673, 7683, 7693A, and 6850 Autosamplers



Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat. #	ea. cat. #
10 µL	ASRN	23s	1.71"	Agilent	701	80357	20171

Gas-Tight PTFE-Tipped Syringes

for Agilent 7673, 7683, 7693A, and 6850 Autosamplers



Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat. #	ea. cat. #
10 µL	ASRN	26s	1.71"	Agilent	1701	80088	21228

For standards, sample prep, air sampling, and more:



Keep Your Instruments Up and Running with CarboPrep Plus SPE Cartridges

- Maximum Contaminant Removal
- Less Instrument Downtime
- Higher Sample Throughput

Make the Simple Switch to CarboPrep Plus SPE Cartridges and Improve Lab Productivity

If you have trouble with samples contaminating your GC inlets and columns, resulting in failing calibration checks for your organochlorine pesticides, unscheduled instrument maintenance, rework, delays, and unexpected expenses, then consider adding CarboPrep Plus cartridges to your toolbox of sample preparation options.

The Sample



CarboPrep Plus



The Advantage Is Clear!

Description	Packing	Volume	qty.	cat.#
Resprep CarboPrep Plus SPE Cartridges	CarboPrep Plus	3 mL, 95 mg	30-pk.	25845



Resprep

Resprep

Simultaneously Remove Phospholipids and Proteins in One Resprep PLR Procedure

- Prevent signal suppression.
- No analyte-specific method development.
- Minimize contamination and maintenance.

Description	qty.	cat.#
Resprep PLR SPE Cartridge, 25 mg/1 mL cartridge	100-pk.	28300
Resprep PLR SPE 96-Well Plate, 25 mg/2 mL each well	ea.	28301



Novel co-sintered frit and sorbent design prevents channeling for high well-to-well flow rate consistency.

Learn more about Resprep PLR products at www.restek.com/PLR

Just a Sampling of Air Canister Replacement Parts

Replacement Combination Vacuum/Pressure Gauges

Description	qty.	cat.#
-30" Hg/15 psi Vacuum/Pressure Gauge	ea.	24100
-30" Hg/30 psi Vacuum/Pressure Gauge	ea.	24104
-30" Hg/60 psi Vacuum/Pressure Gauge	ea.	24108



Sample Inlets

Description	Length	Material	qty.	cat.#
Sample Inlet	6"	Stainless Steel	ea.	26209
	6"	Siltek-Treated	ea.	26210
	1.5"	Stainless Steel	ea.	26211
	1.5"	Siltek-Treated	ea.	26212



Replacement Orifices

Description	Flow Capacity	Material	Orifice Size	qty.	cat.#
	0.5-2 mL/min	Stainless Steel	0.0008"	ea.	24218
	2-4 mL/min	Siltek-Treated	0.0012"	ea.	24233
	4-8 mL/min	Siltek-Treated	0.0016"	ea.	24234
	8-15 mL/min	Siltek-Treated	0.0020"	ea.	24235
	15-30 mL/min	Siltek-Treated	0.0030"	ea.	24236



Find our full selection at www.restek.com/air

Add the Performance of Restek's RAVE and RAVEn Valves to Your Air Cans

Replace or Rebuild Existing Valves with Restek Air Valve Excellence (RAVE)

- Proven long life—engineered to exceed 15,000 cycles.
- Leak-free performance—helium leak tested to 1×10^{-6} mL/sec.
- Diaphragm rebuild kits available to extend the life of your valves.

RAVE Diaphragm Valves For Restek air sampling canisters

Description	Material	cat.# / ea.
1/4" Diaphragm Valve, RAVE (2-port)	Stainless Steel	26385
	Siltek-Treated	26386
1/4" Diaphragm Valve, RAVE (3-port)	Stainless Steel	26387
	Siltek-Treated	26388

RAVEn Diaphragm Valves For Entech air sampling canisters

- Easy retrofit—replace TOV and TOV-2 valves without modification!

Description	Material	cat.# / ea.
1/4" Diaphragm Valve, RAVEn (2-Port)	Stainless Steel	27376
	Siltek Treated	27377
1/4" Diaphragm Valve, RAVEn (3-Port)	Stainless Steel	27378
	Siltek Treated	27379

RAVE and RAVEn Diaphragm Rebuild Kit

Description	Includes	Material	cat.#
RAVE and RAVEn	diaphragms (3)	Stainless Steel	26389
Diaphragm Rebuild Kit	diaphragms (3)	Siltek-Treated	26390



Extend Air Canister and Valve Lifetime—RAVEqc Valves

No Wrenches Mean No Overtightening or Cross-Threading Damage

- Simplify your workflow—tool-free design makes it fast and easy for anyone to make consistent, quality connections.
- Check status at a glance—if the parts are connected, the valve is open; if they're apart, it's closed.
- Great for attaching air canisters to the wide variety of devices used to sample and analyze air samples.

RAVEqc Quick-Connect Air Valves

Description	Material	Similar to Part #	cat.# / ea.
Male RAVEqc Valve to 1/4"	Stainless Steel	Entech MQT-400	27367
Male Compression Fitting	Siltek-Treated	Entech MQT-400S	27368
Female RAVEqc Valve to 1/4"	Stainless Steel	Entech FQT-400	27369
Female Compression Fitting	Siltek-Treated	Entech FQT-400S	27370
Male RAVEqc Valve to 1/4"	Stainless Steel	Entech MQT-T400	27371
Tube End Fitting, Extended (1.58")	Siltek-Treated	Entech MQT-T400S	27372
Male RAVEqc Valve to 1/4"	Stainless Steel	Entech MQT-ST400	27373
Tube End Fitting, Short (1.23")	Siltek-Treated	Entech MQT-ST400S	27374
Female RAVEqc Valve to 1/4" NPT Fitting	Stainless Steel		27365
	Siltek-Treated		27366



Visit www.restek.com/air for sampling canisters, valves, and other air sampling gear.



Reduce GC Column Maintenance with Robust Rxi GC Columns

Restek's rugged polymers are cross-bonded and anchored to an extremely inert deactivation surface, resulting in a column that can take whatever abuse you throw at it. This rugged, inert design increases column lifetime and helps to reduce column maintenance, column replacement, instrument recalibration, and the potential need for method revalidation compared to other columns.

Find out more and order yours today at www.restek.com/rxi



Extend Column Lifetime with Rxi Guards

Rxi Guard/Retention Gap Columns (fused silica)

ID	Length	OD	qty.	Similar to Part #	cat.#
0.25 mm	5 m	0.37 ± 0.04 mm	ea.	Agilent 160-2255-5; Phenomenex 7AG-G000-00-GHO	10029
0.25 mm	5 m	0.37 ± 0.04 mm	6-pk.	Grace 14007, 5122029	10029-600
0.25 mm	10 m	0.37 ± 0.04 mm	ea.	Phenomenex 7CG-G000-00-GHO	10059
0.32 mm	5 m	0.45 ± 0.04 mm	ea.	Agilent 160-2325-5; Phenomenex 7AM-G000-00-GHO	10039
0.32 mm	5 m	0.45 ± 0.04 mm	6-pk.	Grace 13999, 5122026	10039-600
0.32 mm	10 m	0.45 ± 0.04 mm	ea.	Agilent 160-2325-10; Phenomenex 7CM-G000-00-GHO	10064
0.53 mm	5 m	0.69 ± 0.05 mm	ea.	Agilent 160-2535-5; Grace 13990, 5122022; Phenomenex 7AK-G000-00-GHO	10054
0.53 mm	5 m	0.69 ± 0.05 mm	6-pk.		10054-600
0.53 mm	10 m	0.69 ± 0.05 mm	ea.	Agilent 160-2535-10; Phenomenex 7CK-G000-00-GHO	10073

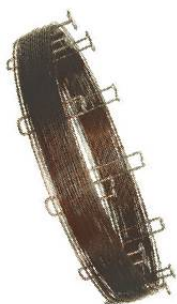
Or let us make the connection for you—choose an Rxi guard preconnected to your analytical column with a SilTite μ -Union connector.

To order via Restek Customer Service, mention the appropriate suffix below for the same ID as your analytical column cat.#. To order via restek.com, note the suffix under Special Instructions when placing your order.

5-meter Rxi Guard w/SilTite μ -Union Connector		10-meter Rxi Guard w/SilTite μ -Union Connector	
Suffix	ID (mm)	Suffix	ID (mm)
-370	0.18	-374	0.18
-371	0.25	-375	0.25
-372	0.32	-376	0.32
-373	0.53	-377	0.53

Eliminate GC Column Breakage, Switch to an MXT Column Today

Rugged and inert, Restek MXT columns provide the strength of metal with the inertness of glass. Also available—MXT PLOT columns.



Restek MXT columns are available in a wide variety of polymer phases making them suitable for a broad range of applications.

Go to www.restek.com/mxt for our full selection.

MXT-Biodiesel TG Columns (Siltek-treated stainless steel)

ID	df	Length	temp. limits	Modification	Column Config	qty.	cat.#
0.53 mm	0.16 μ m	14 m	-60 to 380/430 °C	with 2 m Integra-Gap (Total column length = 16 meters.)	7" 11-pin cage	ea.	70289
0.32 mm	0.10 μ m	15 m	-60 to 380/430 °C	with 2 m x 0.53 mm ID Retention Gap (Connected with low dead volume MXT connector.)	7" 11-pin cage	ea.	70291

MXT-Q-BOND Columns (Siltek-treated stainless-steel PLOT)

ID	df	Length	temp. limits	Column Config	qty.	cat.#
0.53 mm	20 μ m	30 m	-60 to 280/300 °C	7" 11-pin cage	ea.	79716
0.53 mm	20 μ m	30 m	-60 to 280/300 °C	3.5" Coil	ea.	79716-273