

Product Information

Capillary Injector Products for Agilent Technologies GCs

Ferrules

Use ferrules specially designed for Agilent Technologies instrumentation. These ferrules have a different slope than a general purpose ferrule. The Agilent injection port and detector ferrules are also much shorter and smaller in diameter than other ferrules. They are available in either an M-4 (100% Graphite that have a maximum temperature limit of 450°C) or an M-2A (85%polyimide/15% graphite, maximum temperature limit of 350°C). They are available for 3 capillary ID sizes, 0.53mm, 0.32mm, and 0.20-0.25mm. In addition, we are offering preconditioned M-2A ferrules for GC/MS applications. The GC/MS ferrule is taller than the inlet ferrule and is specially conditioned to reduce outgasing. All of the ferrules are for 1/16" OD capillary fittings.

Agilent Injection Port Ferrule



24801-U

Agilent GC/MS Ferrule



24823-U

P000774, P000776

| Ferrule Type | Temp. Limit | Capillary Column Ferrules (1/16" fitting) Column ID | | | Qty. |
|--------------------------|-------------|--|--------------------|-------------------------|------|
| | | 0.53mm Cat. No. | 0.32mm Cat. No. | 0.20-0.25mm Cat. No. | |
| Supeltex M-2A 85/15 | 400°C | 24801-U | 24802-U | 24803-U | 10 |
| | | 24804-U | 24806-U | 24807-U | 50 |
| Supeltex M-4 Graphite | 450°C | 24808-U | 24809-U | 24811-U | 10 |
| | | 24812-U | 24813-U | 24819-U | 50 |
| CapSeal Bullet | 450°C | 23866 | 23865 | 23864 | 10 |
| | | 23869 | 23868 | 23867 | 50 |
| Ferrule ID | | 0.8mm | 0.5mm | 0.4mm | |

Supeltex Ferrules for GC/MS

We also offer a preconditioned ferrule for Agilent GC/MS applications in M-2A material (85% polyamide/15% graphite).

| Supeltex Ferrule Type | Temp. Limit | Capillary Column Ferrules (1/16" fitting) For GC/MS Column ID | | | Qty. |
|--------------------------|-------------|--|--------------------|-------------------------|------|
| | | 0.53mm Cat. No. | 0.32mm Cat. No. | 0.20-0.25mm Cat. No. | |
| M-2A 85/15 | 400°C | 24823-U | 24824-U | 24826-U | 10 |
| M-2A 85/15 | 400°C | 28024-U | 28023-U | 28022-U | 50 |

Column Nuts

| Description | Cat. No. |
|--|----------------|
| Agilent Column Nuts For 1/16" Ferrules, Pk. of 2 | 24833-U |



24833-U

P000777

Inlet Seals

Low cost, replacement inlet seals for Agilent GC's from Supelco reduce the need for cleaning and reuse.



P000752

| Description | Cat. No. |
|---|----------------|
| SS HP Inlet Seals, Pk. of 2 | 23316-U |
| SS HP Inlet Seals, Pk. of 10 | 23317-U |
| SS Inlet Seals for Agilent GC, Pk. of 100 seals and 50 washers | 23363-U |
| Gold Plated HP Inlet Seals, Pk. of 2 | 23318-U |
| Gold Plated HP Inlet Seals, Pk. of 10 | 23319-U |

Thermogreen LB-2 Septa

- Extremely low bleed over a wide range of inlet temperatures - 100°C to 350°C
- Already conditioned, ready to use
- Easier needle penetration and high puncture tolerance - ideal for autosamplers
- Rubber formulation exclusive to Supelco

| Disc Diameter mm | Inch | Agilent Model Number | Qty. | Cat. No. |
|---------------------|------|----------------------------|------|--------------|
| 5.0 | 3/16 | 5880/90,6890, OCI ports | 50 | 20638 |
| 9.5 | 3/8 | 5700 series, 5880 | 50 | 20652 |
| 9.5 | 3/8 | 5700 series, 5880 | 250 | 20666 |
| 9.5 | 3/8 | 5700 series, 5880 | 1000 | 20677 |
| 11.0 | 7/16 | 5880A, 5890 | 50 | 20654 |
| 11.0 | 7/16 | 5880A, 5890 | 250 | 23163 |
| 11.0 | 7/16 | 5880A, 5890 | 1000 | 23164 |

We recommend a 9.5mm (3/8") septum to those who previously used the 9mm size.

Therm-O-Ring Seals

Exclusive from Supelco. New high temperature O-ring seals can be used with inlet temperatures up to 375°C without sticking or fragmenting.








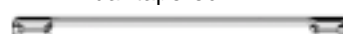


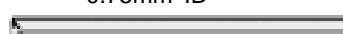

P000752

| Description | Cat. No. |
|-------------------------------|----------------|
| Therm-O-Ring Seals, Pk. of 10 | 21003-U |
| Therm-O-Ring Seals, Pk. of 25 | 21004-U |

Deactivated Glass Liners for Capillary Injection Ports

A regular schedule of inlet liner replacement will help prevent adsorption problems that can otherwise drastically affect your analysis. The following glass liners fit Agilent Technologies Models 4890, 5880, 5890, and 6890. Our liners feature:

- High temperature silanization, to ensure inertness
- Consistent dimensions, tolerances and quality
- In-house manufacturing that meets or exceeds instrument manufacturer's specifications
- Exceptional value: save 20% on a pack of 5 and save 35% on a pack of 25

| | Liner Description | Applications | Mfr. Part No. | Qty. | Cat. No. |
|---|---|--|---------------------------------------|----------------|----------------|
| Split | Cup (unpacked) | High & low MW analytes | 18740-80190 | 1 | 2051001 |
| |  | | | 5 | 2051005 |
| | 78.5mm x 6.3mm OD | | | 25 | 2051025 |
| | Cup (wool packed) | Dirty samples | 18740-80190 ¹ | 1 | 2048201 |
| |  | | | 5 | 2048205 |
| | 78.5mm x 6.3mm OD | | | 25 | 2048225 |
| | Cup (packed w/ 10% OV-1 on Chromosorb W HP) | Dirty samples Traps non-volatiles Reduces discrimination | 18740-60840 | 1 | 2055101 |
| |  | | | 5 | 2055105 |
| | 78.5mm x 6.3mm OD | | | 25 | 2055125 |
| | Split/splitless (4mm ID, wool packed) | General For 7673 autosampler | 19251-60540 | 1 | 2048601 |
| |  | | | 5 | 2048605 |
| | 78.5mm x 6.3mm OD | | | 25 | 2048625 |
| Splitless | 2mm ID | Trace analytes Samples <2µL | 18740-80220 ² 5181-8818 | 1 | 2051301 |
| |  | | | 5 | 2051305 |
| | 78.5mm x 6.5mm OD | | | 25 | 2051325 |
| | Dual-tapered | Active analytes in trace quantities | 5181-3315 | 1 | 2048501 |
| |  | | | 5 | 2048505 |
| | 78.5mm x 6.5mm OD | | | 25 | 2048525 |
| | Tapered (unpacked) | Active analytes in trace quantities | 5181-3316 | 1 | 2046601 |
| |  | | | 5 | 2046605 |
| 78.5mm x 6.5mm OD | 25 | | | 2046625 | |
| Tapered (wool packed) | General For 7673 autosampler | 5062-3587 | 1 | 2047801 | |
|  | | | 5 | 2047805 | |
| 78.5mm x 6.5mm OD | | | 25 | 2047825 | |
| Direct | 0.75mm ID | SPME ³ Small volume | no equivalent | 1 | 2637501 |
| |  | | | 5 | 2637505 |
| | 78.5mm x 6.3mm OD | | | 25 | 2637525 |
| | 1.5mm ID | Headspace & purge/trap devices | 18740-80200 | 1 | 2051701 |
|  | 5 | | | 2051705 | |
| 78.5mm x 6.5mm OD | 25 | | | 2051725 | |

¹Supelco version has been modified to enhance performance.

²Instrument manufacturer's nondeactivated liner.

³Solid phase microextraction.

Trademarks

Agilent, Hewlett-Packard – Agilent Technologies
CapSeal, Supelco, Supeltex – Sigma-Aldrich Co.

sigma-aldrich.com/supelco

Order/Customer Service 800-247-6628, 800-325-3010 • Fax 800-325-5052 • E-mail supelco@sial.com
Technical Service 800-359-3041, 814-359-3041 • Fax 800-359-3044, 814-359-5468 • E-mail techservice@sial.com

SUPELCO • 595 North Harrison Road, Bellefonte, PA 16823-0048 • 814-359-3441



We are committed to the success of our Customers, Employees and Shareholders through leadership in Life Science, High Technology and Service.

The SIGMA-ALDRICH Family



SIGMA



ALDRICH



SUPELCO

© 2001 Sigma-Aldrich Co. Printed in USA. Supelco brand products are sold through Sigma-Aldrich, Inc. Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.



T401027
DWM