

LC accessories

Excellence in LC accessories providing optimal performance

Thermo Scientific offers a wide range of accessories to suit your LC needs, ensuring confidence in your analysis and delivery of exceptionally reproducible data and reliable chromatography.

Viper fingertight fitting

- Providing zero dead volume fingertight connections up to 1,250 bar

Rheodyne sample injectors

- Biocompatible and stainless steel versions for highly accurate and precise injections

LC syringes

- Supporting manual and automated injections

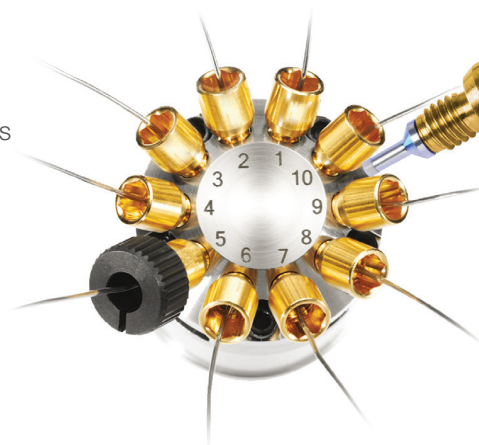


For more information, visit [thermofisher.com/LCaccessories](https://www.thermofisher.com/LCaccessories)

Viper fingertight fittings

Provides ease of use and dead-volume free plumbing of every conventional HPLC and UHPLC system

- Provides zero-dead volume fingertight connections
- Supports operating pressures up to 1,500 bar (22,000 psi)
- Available in different lengths: 65mm and from 150 to 950mm in 100mm steps
- Available in different inner diameters: 0.1mm (0.004in), 0.13mm (0.005in) or 0.18mm (0.007in)
- Easy to use due to stainless steel or biocompatible MP35N™ capillaries (1/32in OD) and fingertight design
- Works with virtually any valve and column from any manufacturer
- Fits narrow connections such as 10-port valves and enables mixed use with different designs



The Thermo Scientific™ Viper™ fingertight fitting system provides ease of use and dead-volume free plumbing of every conventional HPLC and modern UHPLC system. Together with flexible stainless steel (SST) or biocompatible MP35N™ capillaries, it opens a new dimension in liquid chromatography. The Viper system improves chromatographic results, independent of various different connection geometries and system

backpressures. Connecting LC modules, valves, and columns quickly and easily without tools is simple with the Viper system.

Extra column volumes in HPLC have the most detrimental effects on the separation efficiency of an LC system and must be minimized. Conventional fittings tightened by hand or using tools have considerable drawbacks which can compromise efficiency. The Viper fitting system overcomes these

drawbacks by design, working without ferrules to reduce the dead volume of any fluidic connection to zero. The Viper system unifies robust performance, ease of use, acceptable lifetime, and universal compatibility with virtually all different valves and columns for HPLC system users. All Thermo Scientific™ UltiMate™ 3000 XRS, RS, BioRS and SD systems are equipped with Viper fingertight fitting system as a standard.

Viper fingertight fitting systems - SST

| Length (mm) | 0.1mm ID | 0.13mm ID | 0.18mm ID |
|-------------|-----------|-----------|-----------|
| 65 | 6040.2207 | 6040.2307 | 6040.2357 |
| 150 | 6040.2215 | 6040.2315 | 6040.2360 |
| 250 | 6040.2225 | 6040.2325 | 6040.2385 |
| 350 | 6040.2235 | 6040.2335 | 6040.2375 |
| 450 | 6040.2245 | 6040.2345 | 6040.2365 |
| 550 | 6040.2255 | 6040.2305 | 6040.2355 |
| 650 | 6040.2265 | 6040.2310 | 6040.2395 |
| 750 | - | 6040.2320 | 6040.2370 |
| 850 | - | 6040.2330 | 6040.2380 |
| 950 | - | 6040.2340 | 6040.2390 |

Viper fingertight fitting systems - biocompatible

| Length (mm) | 0.065mm ID, PEEK | 0.090mm ID, PEEK | 0.1mm ID, MP35N | 0.13mm ID, MP35N | 0.13mm ID, PEEK | 0.18mm ID, MP35N |
|-------------|------------------|------------------|-----------------|------------------|-----------------|------------------|
| 65 | - | 6041.9075* | 6042.2306 | - | - | - |
| 150 | 6041.5615 | - | 6042.2320 | - | 6041.5616 | 6042.2315 |
| 250 | 6041.5625 | 6041.9025 | 6042.2330 | - | - | 6042.2327 |
| 350 | - | - | 6042.2340 | - | - | 6042.2337 |
| 450 | - | - | 6042.2350 | - | - | 6042.2365 |
| 550 | - | - | 6042.2360 | - | - | 6042.2355 |
| 650 | 6041.5665 | - | 6042.2370 | 6042.2363 | - | 6042.2380 |
| 750 | 6041.5675 | - | 6042.2390 | 6042.2373 | - | 6042.2375 |
| 850 | 6041.5685 | - | - | - | - | - |
| 950 | - | - | 6042.2395 | - | - | 6042.2385 |

* 75mm length

Viper accessories

| Description | Cat. No. | Quantity |
|---------------------|-----------|----------|
| Plug, Biocompatible | 6040.2303 | 1 Each |
| Union, SST | 6040.2304 | 1 Each |
| Calibration Tool | 6040.2312 | 1 Each |
| Inline Filter | 6036.1045 | 1 Each |

For more information, visit thermofisher.com/viper



Viper fingertight fitting kits for UltiMate 3000 systems

Viper fingertight fitting kits for UltiMate 3000 systems

| Description | SD Systems | RS Systems |
|--|------------|------------|
| Viper Capillary Kit for ISO, LPG or DGP pumps | 6040.2302 | 6040.2301 |
| Viper Capillary Kit for HPG pumps | 6040.2309 | 6040.2308 |
| Viper Capillary Kit for biocompatible RSLC systems | – | 6841.2301 |
| Online SPE Solution Kit for x2 Dual Standard or RSLC systems | 6040.2802 | 6040.2801 |
| Tandem Operation Solution Kit for x2 Dual Standard or RSLC systems | 6040.2804 | 6040.2803 |
| Application Switching Solution Kit for x2 Dual Standard or RSLC systems | 6040.2806 | 6040.2805 |
| Parallel Setup Solution Kit for x2 Dual Standard or RSLC systems | 6040.2810 | 6040.2809 |
| Inverse Gradient Kit for x2 Dual Standard or RSLC systems | 6040.2819 | 6040.2820 |
| Automated Method Scouting Solution Kit for Standard or RSLC systems | 6040.2808 | 6040.2807 |
| MS Connection Kit for MS-frontends with WPS autosampler, excluding UV detection | 6720.0355 | 6720.0370 |
| MS Connection Kit for MS-frontends with WPS autosampler, including UV detection | 6720.0365 | 6720.0375 |
| MS Connection Kit for MS-frontends with HPG-RS pump and OAS autosampler excluding UV detection | – | 6720.0372 |
| MS Connection Kit for MS-frontends with HPG-RS pump and OAS autosampler including UV detection | – | 6720.0377 |

| Description | XRS Systems |
|---|-------------|
| Viper Capillary Kit for standalone system with with WPS autosampler | 6043.2301 |
| Viper Capillary Kit for standalone system with with OAS autosampler | 6845.2301A |
| MS Connection Kit for MS-frontends with WPS autosampler excluding UV detection | 6720.0380 |
| MS Connection Kit for MS-frontends with WPS autosampler including UV detection | 6720.0385 |
| MS Connection Kit for MS-frontends with LPG-XRS pump and OAS autosampler excluding UV detection | 6720.0372 |
| MS Connection Kit for MS-frontends with LPG-XRS pump and OAS autosampler including UV detection | 6720.0377 |

Javelin direct-connection column filters

One-piece filter protects HPLC systems

- Direct-connection design for maximum efficiency
- Replace entire disposable filter unit for easy changes
- Recommended for use as dedicated filters for a column rather than the HPLC system
- 1/16in CPI tip attaches directly to HPLC column inlet without tubing or wrenches
- 0.5µm porosity



Javelin direct-connection column filter

| Description | 2.1mm ID | 3.0mm ID | 4.0/4.6mm ID | Quantity |
|-----------------------|----------|----------|--------------|----------|
| Javelin Column Filter | 88200 | 88700 | 88400 | 4 Pack |

ColumnSaver precolumn filters

Filter mesh size 2µm

ColumnSaver precolumn filters

| Filter Mesh Size (µm) | Cat. No | Quantity |
|-----------------------|-----------|----------|
| 2 | 60140-412 | 10 Pack |

UNIFILTER direct-connection HPLC filter systems

Quickly replaced for minimal down time

- Replaceable 0.5µm drop-in filter enhances column lifetime and improved performance
- Holder attached directly to the inlet of your analytical system for maximum convenience



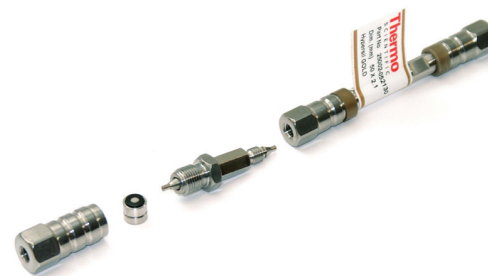
Thermo Scientific™ UNIFILTER™ direct-connection HPLC filter systems

| Description | 2.1/3.0mm ID | 4.0/4.6mm ID | Quantity |
|-------------------------------------|--------------|--------------|----------|
| UNIFILTER Direct Connection Holder | 27002 | 27000 | 1 Each |
| Replacement Filter, 0.5µm | 22017 | 22155 | 5 Pack |
| Replacement Tip, CPI, Standard | 850-RT | 850-RT | 1 Each |
| Replacement Tip, Waters End-fitting | 850-WT | 850-WT | 1 Each |

UHPLC filter

Column protection for Hypersil GOLD 1.9µm and Synchronis 1.7µm columns without compromising performance

- Low volume filter cartridge design
- Maintain peak shape
- Minimal efficiency loss through dispersion



UHPLC filter

| Description | Cat. No. | Quantity |
|--|----------|----------|
| UHPLC Direct Connect Filter Holder | 27006 | 1 Each |
| 2.1mm ID Replacement Filter Cartridge, 0.2µm | 22180 | 5 Pack |
| 1.0mm ID Replacement Filter Cartridge, 0.2µm | 22185 | 5 Pack |

PTFE one-piece column connector

Excellent for high-throughput screening and quick connection

- Fingertight, leak-free connection of analytical and guard columns with 10-32 threads
- Minimizes dead volume
- Inert and biocompatible material



PEEK one-piece column connector




| Description | Cat. No. | Quantity |
|-------------------|-----------|----------|
| One Piece Coupler | 60170-370 | 1 Each |



Solvent filters

- Efficient draw
- 100% PTFE polymer, including 2µm filters
- Built-in helium sparge port and frit

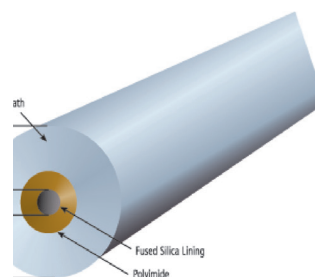
Solvent filters

| | Type | For Use with | Cat. No. | Quantity |
|---|-----------------------|---|----------|----------|
|  | Stainless Steel | Fit 1/16in OD tube to 1/8in OD plastic tubing | A-302 | 1 Each |
|  | Stainless Steel | Fit to 1/8in OD plastic tubing using 1/8in PP nut | A-302A | 1 Each |
|  | Bottom-of-the-Bottle™ | 3/16in OD plastic tubing | A-436 | 1 Each |
| | Bottom-of-the-Bottle | 1/8in OD tubing | A-437 | 1 Each |

PEEKsil capillary tubing

Excellent chemical compatibility and very low carryover

- Precision-bore fused silica tubing coated with 1/16in OD PEEK covering
- Usable in most standard chromatography systems
- Withstands high pressures
- Smooth internal surface for excellent flow characteristics
- Tubing is stiff: not recommended for uses requiring tubing bends
- Precut lengths only: cutting in the lab may damage tubing



PEEKsil capillary tubing

| ID (in) | Length (cm) | Cat. No. | Quantity |
|---------|-------------|-----------|----------|
| 0.002 | 10 | 60182-500 | 5 Pack |
| | 20 | 60182-501 | 5 Pack |
| | 50 | 60182-502 | 2 Pack |
| 0.004 | 10 | 60182-503 | 5 Pack |
| | 20 | 60182-504 | 5 Pack |
| | 50 | 60182-505 | 2 Pack |
| 0.007 | 10 | 60182-506 | 5 Pack |
| | 20 | 60182-507 | 5 Pack |
| | 50 | 60182-508 | 2 Pack |

Applications:

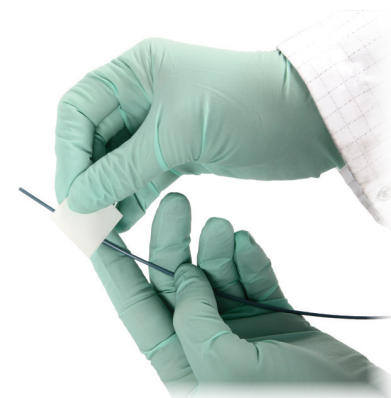
- HPLC
- LC-MS

PEEK sleeves for fused silica capillary tubing

Withstands high pressures

1/16in OD PEEK sleeves for fused silica capillary tubing

| ID (in) | Color | Cat. No. | Quantity |
|---------|---------|----------|----------|
| 0.008 | Yellow | F-227 | 1 Each |
| 0.010 | Blue | F-228 | 1 Each |
| 0.012 | Natural | F-229 | 1 Each |
| 0.015 | Orange | F-230 | 1 Each |
| 0.021 | Natural | F-231 | 1 Each |
| 0.030 | Natural | F-232 | 1 Each |

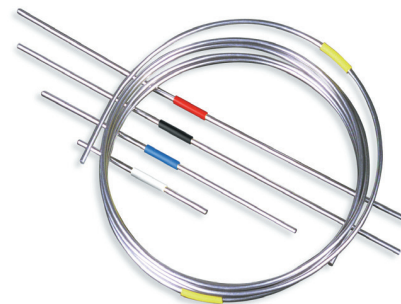


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316 stainless steel capillary tubing

Cleaned, polished, passivated and ready-to-use

- Suitable for ultra high pressure applications
- Wide chemical compatibility
- Prefinished, square, burr-free ends and interiors to minimize dead volume connections
- Not recommended for biological samples
- Rough internal surface may lead to sample carryover



316 stainless steel capillary tubing

| ID (in) | Length (cm) | Color | Cat. No. | Quantity |
|--------------------------------|-------------|-------|----------|----------|
| 1/16in OD Precut Tubing | | | | |
| 0.005 | 5 | Red | U-152 | 1 Each |
| | 10 | Red | U-153 | 1 Each |
| | 20 | Red | U-154 | 1 Each |
| | 30 | Red | U-155 | 1 Each |
| | 50 | Red | U-156 | 1 Each |
| | 100 | Red | U-157 | 1 Each |
| 0.007 | 5 | Black | U-126 | 1 Each |
| | 10 | Black | U-127 | 1 Each |
| | 20 | Black | U-128 | 1 Each |
| | 30 | Black | U-129 | 1 Each |
| | 50 | Black | U-130 | 1 Each |
| | 100 | Black | U-131 | 1 Each |
| 0.010 | 5 | Blue | U-111 | 1 Each |
| | 10 | Blue | U-112 | 1 Each |
| | 20 | Blue | U-113 | 1 Each |
| | 30 | Blue | U-114 | 1 Each |
| | 50 | Blue | U-132 | 1 Each |
| | 100 | Blue | U-133 | 1 Each |

1/16in 316 stainless steel tubing, 5-foot coil

| ID (in) | Cat. No. | Quantity |
|---------|----------|----------|
| 0.005 | U-158 | 1 Each |
| 0.007 | U-108 | 1 Each |
| 0.010 | U-106 | 1 Each |
| 0.020 | U-105 | 1 Each |
| 0.030 | U-107 | 1 Each |
| 0.040 | U-144 | 1 Each |
| 0.046 | U-151 | 1 Each |

Terry tool tubing cutters

| Description | Cat. No. | Quantity |
|-------------------------------|-----------|----------|
| 1/16in stainless steel tubing | 60182-509 | 1 Each |
| 1/8in stainless steel tubing | 60182-510 | 1 Each |

PEEK capillary tubing

Pre-cut and color-coded for easy identification and use



- Broad chemical compatibility
- Biocompatible
- Easily cut to desired length
- Appropriate for many HPLC applications
- Resistant to most organic solvents, except for nitric acid, sulfuric acid, dichloromethane, THF and DMSO

1/16in OD precut PEEK tubing

| ID (in) | Length (cm) | Color | Cat. No. | Quantity |
|---------|-------------|---------|-----------|----------|
| 0.003 | 5 | Natural | 37003-5 | 1 Each |
| | 10 | Natural | 37003-10 | 1 Each |
| | 20 | Natural | 37003-20 | 1 Each |
| | 30 | Natural | 37003-30 | 1 Each |
| | 50 | Natural | 37003-50 | 1 Each |
| | 100 | Natural | 37003-100 | 1 Each |
| 0.005 | 5 | Red | 37005-5 | 1 Each |
| | 10 | Red | 37005-10 | 1 Each |
| | 20 | Red | 37005-20 | 1 Each |
| | 30 | Red | 37005-30 | 1 Each |
| | 50 | Red | 37005-50 | 1 Each |
| | 100 | Natural | 37007-100 | 1 Each |
| 0.007 | 5 | Yellow | 37007-5 | 1 Each |
| | 10 | Yellow | 37007-10 | 1 Each |
| | 20 | Yellow | 37007-20 | 1 Each |
| | 30 | Yellow | 37007-30 | 1 Each |
| | 50 | Yellow | 37007-50 | 1 Each |
| | 100 | Natural | 37007-100 | 1 Each |
| 0.010 | 5 | Blue | 37010-5 | 1 Each |
| | 10 | Blue | 37010-10 | 1 Each |
| | 20 | Blue | 37010-20 | 1 Each |
| | 30 | Blue | 37010-30 | 1 Each |
| | 50 | Blue | 37010-50 | 1 Each |
| | 100 | Natural | 37010-100 | 1 Each |
| 0.020 | 5 | Orange | 37020-5 | 1 Each |
| | 10 | Orange | 37020-10 | 1 Each |
| | 20 | Orange | 37020-20 | 1 Each |
| | 30 | Orange | 37020-30 | 1 Each |
| | 50 | Orange | 37020-50 | 1 Each |
| | 100 | Natural | 37020-100 | 1 Each |

1/16in OD PEEK tubing, 5-foot coil

| ID (in) | Cat. No. | Quantity |
|---------|----------|----------|
| 0.003 | 37003 | 1 Each |
| 0.005 | 37005 | 1 Each |
| 0.007 | 37007 | 1 Each |
| 0.010 | 37010 | 1 Each |
| 0.020 | 37020 | 1 Each |
| 0.030 | 37030 | 1 Each |
| 0.040 | 37040 | 1 Each |

Polymer tubing cutter

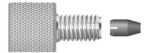



| Description | Cat. No. | Quantity |
|-------------------------|----------|----------|
| Polymeric Tubing Cutter | A-327 | 1 Each |
| Replacement blades | A-328 | 5 Pack |

High pressure stainless steel nuts and ferrules

Accommodate a wide range of configurations

- Designed for 10-32 port configurations
- Burr and contaminant free

High pressure stainless steel nuts and ferrules

| | Type | Nut Cat. No. | Quantity | Description | Replacement Ferrule Cat. No. | Quantity |
|---|----------------------------------|--------------|----------|-----------------------------|------------------------------|----------|
|  | 10-32 thread nut with ferrule | F-190 | 1 Each | Replacement PEEK Ferrules | F-192x | 10 Pack |
|  | Male hex nut | U-400x | 10 Pack | Universal Ferrules, 0.625in | U-401x | 10 Pack |
|  | Valco male hex nut, 10-32 thread | U-320x | 10 Pack | Valco ferrules, 0.625in | U-321x | 10 Pack |
|  | Male hex nut, Waters compatible | U-410x | 10 Pack | Universal Ferrules, 0.625in | U-401x | 10 Pack |

Reducing union for preparative columns

Connects 30 to 50mm ID preparative columns to 1/16in tubing

- Stainless steel construction
- 1.0mm bore
- Without frit

Reducing union for preparative column

| Description | Cat. No. | Quantity |
|---|-----------|----------|
| 1/8in to 1/16in Reducing Union for Preparative Column | 60182-357 | 1 Each |

PEEK Fingertight fittings

Machined for reliability and ease of use

- Resist cracking, breaking, thread stripping and leaking in both low and high pressure applications
- Biocompatible for a broad range of applications

PEEK fingertight fittings









| | Type | Cat. No. | Quantity |
|---|---|----------|----------|
|  | One-Piece Fingertight Fitting, 1/16in, 0.37in head | F-120x | 10 Pack |
|  | One-Piece Long Fingertight Fitting, 1/16in, 0.37in head | F-130x | 10 Pack |
|  | One-Piece PEEK Fingertight Fitting, 1/32in, 0.25in head | M-645 | 1 Each |
|  | Two-Piece Fingertight Wing Nut with Ferrule, 1/16in | F-300x | 10 Pack |
|  | Replacement PEEK Ferrules | F-142x | 10 Pack |
|  | Column End Plug, 1/16in, 10-32 coned, Delrin, Red | U-467R | 1 Each |
|  | Column End Plug, 1/16in, 10-32 coned, Delrin, Black | U-467BLK | 1 Each |

Stainless steel unions, tees and crosses

Well-suited to high-pressure applications

- Absolute zero or low dead volume formats
- Includes two stainless steel nuts and ferrules

Stainless steel unions, tees and crosses





| | Description | Through Hole (in) | Swept Volume (μL) | Cat. No. | Quantity |
|---|--|-------------------|-------------------|----------|----------|
|  | Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.010 | 0.025 | U-435 | 1 Each |
|  | Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.020 | 0.134 | U-402 | 1 Each |
|  | Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.050 | 0.836 | U-437 | 1 Each |
|  | Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.062 | ~0.0 | U-438 | 1 Each |
|  | Union, stainless steel, Waters fittings compatible, includes 2 stainless steel nuts and ferrules | 0.020 | 0.129 | U-412 | 1 Each |
|  | Union, stainless steel, Valco fittings compatible, includes 2 stainless steel nuts and ferrules | 0.020 | 0.103 | U-322 | 1 Each |
|  | Tee, stainless steel, 10-32 fittings for use with 1/16in OD tubing | 0.020 | 0.57 | U-428 | 1 Each |
|  | Cross, stainless steel, 10-32 fittings for use with 1/16in OD tubing | 0.020 | 0.72 | U-430 | 1 Each |

PEEK unions, tees and crosses

Well-suited to high pressure applications

- Absolute zero or low dead volume formats
- Biocompatible

PEEK unions, tees and crosses

| | Description | Through Hole (in) | Swept Volume (μL) | Cat. No. | Quantity |
|---|---|-------------------|-------------------|----------|----------|
|  | Union, PEEK polymer, includes two PEEK 2-piece fittings | 0.010 | 0.070 | P-742 | 1 Each |
|  | Union, PEEK polymer, includes two PEEK 2-piece fittings | 0.020 | 0.28 | P-704 | 1 Each |
|  | Tee, PEEK, 10-32 fittings for use with 1/16in OD tubing, includes three 10-32 PEEK double-winged nuts | 0.020 | 0.57 | P-727 | 1 Each |
|  | PEEK, 10-32 fittings for use with 1/16in OD tubing, includes four 10-32 PEEK double-winged nuts | 0.020 | 0.72 | P-729 | 1 Each |

Rheodyne 7725 and 7725i sample injectors

Allow continuous flow between the load and inject positions to protect against pressure shock

- Stainless steel construction
- Make-Before-Break (MBB) design
- Can use partial filling for zero sample waste or complete filling for better reproducibility
- Inject 1µL to 5mL with high accuracy and precision
- 7725i features a position sensing switch for a reproducible start signal



Rheodyne 7725 and 7725i sample injectors

| Model | Mode | Features | Cat. No. | Quantity |
|-------|------|--|----------|----------|
| 7725 | Dual | Continuous flow | 7725 | 1 Each |
| 7725i | Dual | Continuous flow, position sensing switch | 7725i | 1 Each |

Stainless steel sample loops

| Description | Volume | ID (mm / in) | Cat. No. | Quantity |
|---|--------|--------------|----------|----------|
| Sample loops for 7725 and 7725i injectors | 5µL | 0.18 / 0.007 | 7755-020 | 1 Each |
| | 10µL | 0.30 / 0.012 | 7755-021 | 1 Each |
| | 20µL | 0.30 / 0.012 | 7755-022 | 1 Each |
| | 50µL | 0.51 / 0.020 | 7755-023 | 1 Each |

RheBuild kits

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 7725/7725i | 7725-999 | 1 Each |

Rheodyne stators

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 7725 | 7725-010 | 1 Each |

Rheodyne 9725 and 9725i sample injectors

Allow continuous flow between the load and inject positions to protect against pressure shock

- Biocompatible PEEK construction
- Make-Before-Break (MBB) design
- Can use partial filling for zero sample waste or complete filling for better reproducibility
- Inject 1 μ L to 5mL with high accuracy and precision
- 9725i features a position sensing switch for a reproducible start signal

Rheodyne 9725 and 9725i sample injectors

| Model | Mode | Features | Cat. No. | Quantity |
|-------|------|--|----------|----------|
| 9725 | Dual | Continuous flow | 9725 | 1 Each |
| 9725i | Dual | Continuous flow, position sensing switch | 9725i | 1 Each |

PEEK sample loops

| Description | Volume | ID (mm / in) | Cat. No. | Quantity |
|---|-------------|--------------|----------|----------|
| Sample loops for 9725 and 9725i injectors | 2 μ L | Internal | 7755-015 | 1 Each |
| | 5 μ L | 0.18 / 0.007 | 9055-020 | 1 Each |
| | 10 μ L | 0.25 / 0.010 | 9055-021 | 1 Each |
| | 20 μ L | 0.25 / 0.010 | 9055-022 | 1 Each |
| | 50 μ L | 0.51 / 0.020 | 9055-023 | 1 Each |
| | 100 μ L | 0.51 / 0.020 | 9055-024 | 1 Each |
| | 200 μ L | 0.51 / 0.020 | 9055-025 | 1 Each |
| | 500 μ L | 0.76 / 0.030 | 9055-026 | 1 Each |
| | 1mL | 0.76 / 0.030 | 9055-027 | 1 Each |
| | 5mL | 0.76 / 0.030 | 9055-029 | 1 Each |

Rheodyne suction needle adapter

| For Use with | Cat. No. | Quantity |
|---|----------|----------|
| Rheodyne Injector Models 9725 and 9725i | 9125-076 | 1 Each |

For more information, visit [thermofisher.com/LCaccessories](https://www.thermofisher.com/LCaccessories)

Rheodyne 8125 low-dispersion microscale injector

Designed for use with 1 and 2mm ID HPLC columns

- Can use partial filling for zero sample waste or complete filling for better reproducibility
- Position sensing switch provides reproducible start signal
- Suitable for use with 5 to 50µL sample loops



Rheodyne 8125 low-dispersion microscale injector

| Model | Mode | Features | Cat. No. | Quantity |
|-------|------|-----------------|----------|----------|
| 8125 | Dual | Continuous flow | 8125 | 1 Each |

Stainless steel sample loops

| Description | Volume | ID (mm / in) | Cat. No. | Quantity |
|---------------------------------|--------|--------------|----------|----------|
| Sample loops for 8125 injectors | 5µL | 0.20 / 0.008 | 8020 | 1 Each |
| | 10µL | 0.20 / 0.008 | 8021 | 1 Each |
| | 20µL | 0.25 / 0.010 | 8022 | 1 Each |
| | 50µL | 0.30 / 0.012 | 8023 | 1 Each |

RheBuild kits

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 8125 | 8125-999 | 1 Each |

Rheodyne replacement rotor seals for injectors

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| Vespel Seals | | |
| 8125/8126 | 8125-038 | 1 Each |
| Tefzel Seals | | |
| 8125 | 8125-097 | 1 Each |

Rheodyne stators

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 8125/8126 | 8125-098 | 1 Each |

Rheodyne stator face assemblies

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 8125 | 8125-074 | 1 Each |

Rheodyne 7010 sample injector

Single-mode sample injector designed for the complete filling method



Rheodyne 7010 sample injector

| Model | Mode | Features | Cat. No. | Quantity |
|-------|--------|-------------------------|----------|----------|
| 7010 | Single | Complete filling method | 7010 | 1 Each |

Compatible with:

Sample loop sizes 5µL to 20mL

Rheodyne ports for Rheodyne injectors

| For Use with Rheodyne Model | Cat. No. | Quantity |
|-----------------------------------|----------|----------|
| 7010 Filler Port, Stainless Steel | 7012 | 1 Each |

Stainless steel sample loops

| Description | Volume | ID (mm / in) | Cat. No. | Quantity |
|--|--------|--------------|----------|----------|
| Sample loops for 7010 and 7125 injectors | 5µL | 0.18 / 0.007 | 7020 | 1 Each |
| | 10µL | 0.30 / 0.012 | 7021 | 1 Each |
| | 20µL | 0.30 / 0.012 | 7022 | 1 Each |
| | 50µL | 0.51 / 0.020 | 7023 | 1 Each |
| | 100µL | 0.51 / 0.020 | 7024 | 1 Each |
| | 200µL | 0.76 / 0.030 | 7025 | 1 Each |
| | 500µL | 0.76 / 0.030 | 7026 | 1 Each |
| | 1mL | 0.76 / 0.030 | 7027 | 1 Each |
| | 5mL | 1.0 / 0.040 | 7029 | 1 Each |

RheBuild kits

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 7010/7000 | 7010-999 | 1 Each |

Rheodyne replacement rotor seals for injectors

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| Vespel Seals | | |
| 7010 | 7010-039 | 1 Each |
| Tefzel Seals | | |
| 7010 | 7010-071 | 1 Each |

For more information, visit [thermofisher.com/LCaccessories](https://www.thermofisher.com/LCaccessories)

Rheodyne 9010 sample injector

Single-mode sample injector designed for the complete filling method

- Compatible with sample loop sizes 5µL to 10mL
- PEEK stator
- Position sensing switch provides a reproducible start signal

Rheodyne 9010 sample injector

| Model | Mode | Features | Cat. No. | Quantity |
|-------|--------|--|----------|----------|
| 9010 | Single | Continuous flow, position sensing switch | 9010 | 1 Each |

Rheodyne ports for rheodyne injectors

| For Use with Rheodyne Model | Cat. No. | Quantity |
|-----------------------------|----------|----------|
| 9010 Filler Port, PEEK | 9012 | 1 Each |
| 9010 Needle Port, PEEK | 9013 | 1 Each |

PEEK Sample Loops

| Description | Volume | ID (mm / in) | Cat. No. | Quantity |
|---------------------------------|--------|--------------|----------|----------|
| Sample loops for 9010 injectors | 2µL | Internal | 7755-015 | 1 Each |
| | 5µL | 0.18 / 0.007 | 9055-020 | 1 Each |
| | 10µL | 0.25 / 0.010 | 9055-021 | 1 Each |
| | 20µL | 0.25 / 0.010 | 9055-022 | 1 Each |
| | 50µL | 0.51 / 0.020 | 9055-023 | 1 Each |
| | 100µL | 0.51 / 0.020 | 9055-024 | 1 Each |
| | 200µL | 0.51 / 0.020 | 9055-025 | 1 Each |
| | 500µL | 0.76 / 0.030 | 9055-026 | 1 Each |
| | 1mL | 0.76 / 0.030 | 9055-027 | 1 Each |
| | 5mL | 0.76 / 0.030 | 9055-029 | 1 Each |

Rheodyne replacement rotor seals for injectors

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| Tefzel Seals | | |
| 9010 | 9010-051 | 1 Each |

Rheodyne stators

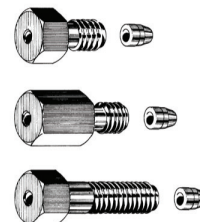
| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 9010 | 9125-043 | 1 Each |

Rheodyne stator face assemblies

| For Use with Rheodyne Models | Cat. No. | Quantity |
|------------------------------|----------|----------|
| 9125 | 8125-094 | 1 Each |

RheFlex high-pressure fittings

Precision machined from 316 stainless steel



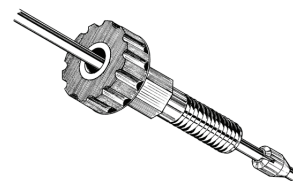
RheFlex high pressure fittings

| | Type | Cat. No. | Quantity |
|---|-------------------------|----------|----------|
|  | Short Fittings Set | 6000-109 | 5 Pack |
| | Short Fittings Set | 6000-209 | 10 Pack |
|  | Long Fittings Set | 6000-111 | 5 Pack |
| | Long Fittings Set | 6000-211 | 10 Pack |
|  | Extra Long Fittings Set | 6000-162 | 5 Pack |
| | Extra Long Fittings Set | 6000-262 | 10 Pack |
|  | 1/16in Ferrule | 6000-110 | 5 Pack |
| | 1/16in Ferrule | 6000-210 | 10 Pack |

RheFlex two-piece PEEK fittings

Provide inert, metal-free connections

- Slotted backside of the ferrule is squeezed down onto the tube by the mating conical surface of the nut
- May be used on 1/16in metal or plastic tubing reliably up to 5000psi
- Reusable ferrule and nut



RheFlex two-piece PEEK fittings

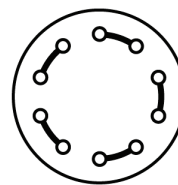
| Type | Cat. No. | Quantity |
|------------------------------|----------|----------|
| Fitting set, standard length | 6000-054 | 5 Pack |
| Fitting set, short | 6000-055 | 5 Pack |
| Fitting set, X-long | 6000-066 | 1 Each |
| Replacement ferrules | 6000-051 | 5 Pack |

For more information, visit [thermofisher.com/LCaccessories](https://www.thermofisher.com/LCaccessories)

Cheminert model C2 microbore injector

Can be used as an injector or switching valve

- 1/16in fittings
- 0.010in ports
- Available in 6-port or 10-port configurations
- Available with manual or microelectric actuator



Cheminert model C2 microbore injector

| Description | Sample Volume | Cat. No. | Quantity |
|---|---------------|-----------|----------|
| Model C2 injector, N60 stainless stator, 5µL loop, manual | 6 ports | C2-1006 | 1 Each |
| | 10 ports | C2-1000 | 1 Each |
| Model C2 injector, N60 stainless stator, 5µL loop, microelectric actuator | 6 ports | C2-1006EH | 1 Each |
| | 10 ports | C2-1000EP | 1 Each |
| Sample injector loops, stainless steel | 5µL | CSL5 | 1 Each |
| | 10µL | CSL10 | 1 Each |
| | 20µL | CSL20 | 1 Each |
| | 50µL | CSL50 | 1 Each |
| | 100µL | CSL100 | 1 Each |
| Model C4 injector, PAEK stator, 5µL loop, microelectric actuator | 6 ports | C2-1346EH | 1 Each |
| Sample injector loops, PAEK | 5µL | CZSL5PK | 1 Each |
| | 10µL | CZSL10PK | 1 Each |
| | 50µL | CZSL50PK | 1 Each |

Valco injector model C6W

| Description | Volume | Cat. No. | Quantity |
|---|-----------|----------|----------|
| Model C6W injector, six 0.016in ports, manual | 20µL loop | C6W | 1 Each |
| Model EPC6W injector, six 0.016in ports, microelectric actuator | 20µL loop | EPC6W | 1 Each |
| Replacement rotor | – | SSAC6W | 1 Each |
| Sample injector loop, stainless steel | 2µL | SL2CW | 1 Each |
| Sample injector loop, stainless steel | 5µL | SL5CW | 1 Each |
| Sample injector loop, stainless steel | 10µL | SL10CW | 1 Each |
| Sample injector loop, stainless steel | 20µL | SL20CW | 1 Each |
| Sample injector loop, stainless steel | 50µL | SL50CW | 1 Each |
| Sample injector loop, stainless steel | 100µL | SL100CW | 1 Each |

Valco accessories

| Description | Volume | Cat. No. | Quantity |
|-------------------------|---------------------------------|----------|----------|
| Valco syringe ports | 22 ga. needles; 1/16in fittings | VISF-1 | 1 Each |
| Valco syringe ports | 22 ga. 2in needles | VISF-2 | 1 Each |
| Valco Nuts and Ferrules | 1/16in standard nut | ZN1-10 | 10 Pack |
| Valco Nuts and Ferrules | 1/16in long nut | LZN1-10 | 10 Pack |
| Valco Nuts and Ferrules | 1/16in SS ferrule | ZF1-10 | 10 Pack |

LC syringes for manual injection valves

Easy, accurate and reproducible manual injection

- Square tip to prevent damage to the injector
- Wide range of volumes
- Precision made from borosilicate glass and stainless steel
- Robust design and easy-to-read markings

Removable needle, gas tight syringes for Rheodyne / Valco injectors

| Volume (µL) | Length (mm) | Gauge | Tip Style | Cat. No. | Quantity | Replacement Needle Cat. No. | Quantity |
|-------------|-------------|-------|---------------|----------|----------|-----------------------------|----------|
| 10 | 50 | 22 | 90° Blunt End | 365DLG21 | 1 Each | 365RNL15 | 5 Pack |
| 25 | 50 | 22 | 90° Blunt End | 365FLG31 | 1 Each | 365RNL25 | 5 Pack |
| 50 | 50 | 22 | 90° Blunt End | 365GLG41 | 1 Each | 365RNL25 | 5 Pack |
| 100 | 50 | 22 | 90° Blunt End | 365HLG51 | 1 Each | 365RNL25 | 5 Pack |
| 500 | 50 | 22 | 90° Blunt End | 365JLG71 | 1 Each | 365RNL25 | 5 Pack |

Fixed needle, gas tight syringes for Rheodyne / Valco injectors

| Volume (µL) | Length (mm) | Gauge | Tip Style | Cat. No. | Quantity |
|-------------|-------------|-------|---------------|----------|----------|
| 10 | 50 | 22 | 90° Blunt End | 365DL263 | 1 Each |
| 25 | 50 | 22 | 90° Blunt End | 365F6315 | 1 Each |
| 50 | 50 | 22 | 90° Blunt End | 365G6316 | 1 Each |
| 100 | 50 | 22 | 90° Blunt End | 365H6317 | 1 Each |
| 500 | 50 | 22 | 90° Blunt End | 365J6319 | 1 Each |

Fixed needle syringes for Rheodyne / Valco injectors

| Volume (µL) | Length (mm) | Gauge | Tip Style | Cat. No. | Quantity |
|-------------|-------------|-------|---------------|----------|----------|
| 5 | 50 | 22 | 90° Blunt End | 365CL221 | 1 Each |
| 10 | 50 | 22 | 90° Blunt End | 365DL231 | 1 Each |
| 25 | 50 | 22 | 90° Blunt End | 365FL241 | 1 Each |
| 50 | 50 | 22 | 90° Blunt End | 365GL251 | 1 Each |
| 100 | 50 | 22 | 90° Blunt End | 365HL261 | 1 Each |
| 250 | 50 | 22 | 90° Blunt End | 365IL271 | 1 Each |
| 500 | 50 | 22 | 90° Blunt End | 365JL281 | 1 Each |

For more information, visit thermofisher.com/LCaccessories

HPLC syringes

- Instrument specific syringes
- Luer-Lok syringes ideal for priming
- Macro volume sampling syringes suitable for liquid or gas samples

Removable needle syringes for Thermo Scientific instruments

| Volume (µL) | Length (mm) | Gauge | Instrument | Cat. No. | Quantity |
|-------------|-------------|-------|----------------|----------|----------|
| 250 | 50 | 22 | LCQ | 365ILT21 | 1 Each |
| 500 | 50 | 22 | LCQ | 365JLT41 | 1 Each |
| 250 | – | – | AS1000, AS3000 | 365ILT91 | 1 Each |
| 500 | – | – | AS1000, AS3000 | 365JLT61 | 1 Each |
| 2500 | – | – | AS3000, AS3500 | 365LLT81 | 1 Each |

Mass spectrometry replacement ESI probe needles

| Instrument | Cat. No. | Quantity |
|--------------------------|----------|----------|
| LCQ, XP, DECA, Advantage | 365RNLT1 | 1 Each |
| LCQ MS | 365RNLT2 | 1 Each |
| LCQ XSQ | 365RNLT3 | 1 Each |

Fixed needle syringes for CTC instruments

| Volume (µL) | Length (mm) | Gauge | Tip Style | Cat. No. | Quantity |
|-------------|-------------|-------|-----------|----------|----------|
| 10 | 50 | 22 | – | 365DL991 | 1 Each |
| 25 | 50 | 22 | – | 365FL715 | 1 Each |
| 50 | 50 | 22 | – | 365GL810 | 1 Each |
| 100 | 50 | 22 | – | 365HL331 | 1 Each |

PTFE Luer-Lok syringes

| Volume (mL) | Cat. No. | Quantity | Replacement Needle Cat. No. | Quantity |
|-------------|----------|----------|-----------------------------|----------|
| 1 | 365KL531 | 1 Each | 365RNLT22 | 2 Pack |
| 2.5 | 365LL541 | 1 Each | 365RNLT22 | 2 Pack |
| 5 | 365ML551 | 1 Each | 365RNLT22 | 2 Pack |
| 10 | 365NL561 | 1 Each | 365RNLT22 | 2 Pack |
| 25 | 365PL571 | 1 Each | 365RNLT22 | 2 Pack |

Syringes for Macro volume sampling

| Volume (mL) | Length (mm) | Gauge | Tip Style | Cat. No. | Quantity |
|-------------|-------------|-------|-----------|----------|----------|
| 1 | 50 | 22s | Bevel | 365K3051 | 1 Each |
| 2.5 | 50 | 22s | Bevel | 365LL375 | 1 Each |
| 5 | 50 | 22s | Bevel | 365M5212 | 1 Each |
| 10 | 50 | 22s | Bevel | 365N5214 | 1 Each |

Thermo Scientific™ HOT POCKET and COOL POCKET column temperature controllers

Wrap-around column temperature control systems

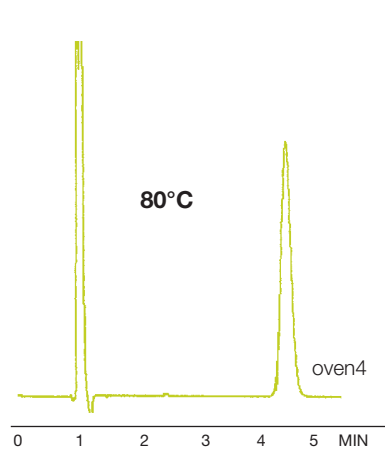
- Easy to install and use with a variety of column lengths
- Dual display of both actual and set point temperature
- HOT POCKET range from just above ambient to 85°C
- COOL POCKET range from 5°C to 55°C
- Explore sample selectivity and stability on both sides of ambient



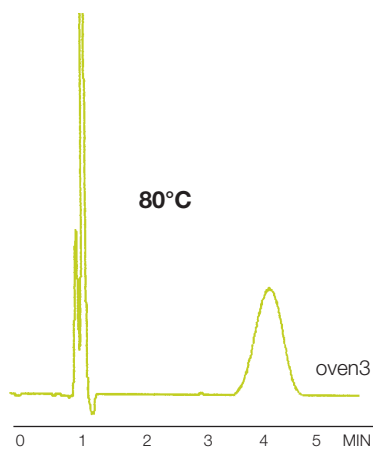
Product specifications

| | HOT POCKET | COOL POCKET |
|--------------------------------------|--|---------------------------------------|
| Operating Range | 5°C above ambient to 85°C | 5°C to 55°C |
| Display | Dual LED displays of actual and set point temperatures in °C | |
| Temperature Accuracy | ± 2°C over entire range | ± 2°C over entire range |
| Temperature Repeatability | ± 1°C | ± 1°C |
| Temperature Stability | ± 0.1°C | ± 0.1°C |
| Time to Stabilization (from ambient) | 85°C in less than 30 minutes | 55°C in 25 minutes, 5°C in 20 minutes |

With eluent pre-heater



Without eluent pre-heater



Effect of eluent pre-heater on efficiency

Data courtesy of Dr. Richard F. Myer, Quantitative Technologies, Inc., Whitehouse, NJ

HOT POCKET column heaters, eluent preheater/precooler and COOL POCKET chiller

| Description | Cat. No. | Quantity |
|--|-----------|----------|
| HOT POCKET Column Heater | 92016 | 1 Each |
| HOT POCKET Column Heater – short version | 92016-150 | 1 Each |
| COOL POCKET Column Chiller | 92017 | 1 Each |
| Eluent Preheater/Precooler | 92018 | 1 Each |

Learn more at thermofisher.com/LCaccessories