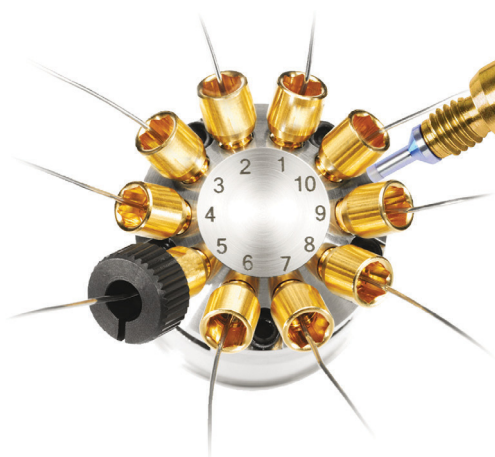


# Thermo Scientific LC Accessories

## Viper Fingertight Fittings

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

- Provides virtually zero-dead volume fingertight connections
- Supports operating pressures up to 1250 bar (18,130 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™ Dionex™ Viper™ fingertight fitting system provides ease of use and virtually 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 virtually 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™ Dionex™ UltiMate™ 3000 XRS, RS, BioRS and SD systems are equipped with Viper fingertight fitting system as a standard.

### Viper Fingertight Fitting Systems – SST and Biocompatible MP35N

| Length (mm) | 0.1mm ID, SST    | 0.1mm ID, MP35N  | 0.13mm ID, SST   | 0.18mm ID, SST   | 0.18mm ID, MP35N |
|-------------|------------------|------------------|------------------|------------------|------------------|
| 65          | <b>6040.2207</b> | <b>6042.2306</b> | <b>6040.2307</b> | <b>6040.2357</b> | –                |
| 150         | <b>6040.2215</b> | <b>6042.2320</b> | <b>6040.2315</b> | <b>6040.2360</b> | –                |
| 250         | <b>6040.2225</b> | <b>6042.2330</b> | <b>6040.2325</b> | <b>6040.2385</b> | <b>6042.2315</b> |
| 350         | <b>6040.2235</b> | <b>6042.2340</b> | <b>6040.2335</b> | <b>6040.2375</b> | <b>6042.2327</b> |
| 450         | <b>6040.2245</b> | <b>6042.2350</b> | <b>6040.2345</b> | <b>6040.2365</b> | <b>6042.2337</b> |
| 550         | <b>6040.2255</b> | <b>6042.2360</b> | <b>6040.2305</b> | <b>6040.2355</b> | <b>6042.2365</b> |
| 650         | <b>6040.2265</b> | –                | <b>6040.2310</b> | <b>6040.2395</b> | –                |
| 750         | –                | –                | <b>6040.2320</b> | <b>6040.2370</b> | <b>6042.2355</b> |
| 850         | –                | –                | <b>6040.2330</b> | <b>6040.2380</b> | –                |
| 950         | –                | –                | <b>6040.2350</b> | <b>6040.2390</b> | <b>6042.2375</b> |

### Viper Accessories

| Description | Cat. No.         | Quantity |
|-------------|------------------|----------|
| Plug, SST   | <b>6040.2303</b> | 1 Each   |
| Union, SST  | <b>6040.2304</b> | 1 Each   |



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

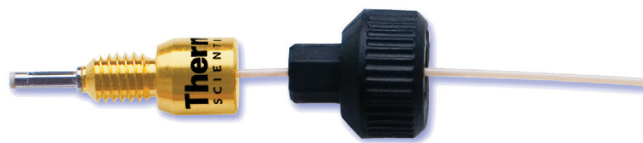
| Description   | XRS Systems       |
|---|-------------------|
| Viper Capillary Kit for standalone system with with WPS autosampler                             | <b>6043.2301</b>  |
| Viper Capillary Kit for standalone system with with OAS autosampler                             | <b>6845.2301A</b>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

An overview of all UltiMate 3000 systems can be found in the Instruments spare parts section on [4-209](#).

## nanoViper Fingertight Fittings

The Thermo Scientific™ Dionex™ nanoViper™ fingertight UHPLC fitting system is virtually dead volume-free by design. It offers nano LC connections that never fail and brings a peace of mind appreciated by novices, as well as the most experienced users.

- Provides virtually zero-dead-volume connections
- Compatible with backpressures up to 1000 bar (14,500 psi)
- Suitable for temperatures up to 80°C
- Easy to use 1/32" PEEK sheathed fused silica and fingertight design
- Works with virtually any valve, and any column, from any manufacturer
- Paves the way for the easy, tool-free nano, capillary and micro LC setup of any application
- nanoViper fingertight fittings allow you to configure your nano, capillary, and micro LC application completely tool free.



Classical connections in nano LC involve either PEEKsil™ or fused silica in PEEK™ sleeves. These connections consist of a nut, ferrule, sleeve, and fused silica, which all need to be assembled correctly. The sealing is at the ferrule, which theoretically leaves a large potential dead volume. Apart from the risk of dead volume (an extreme case indicated above), there is also a risk of damaging the fused silica tubing or column at the point where the ferrule is compressed. The ferrule has to hold the tubing in the sleeve and seal of the connection.

The nanoViper connections come preassembled and high pressure tested. The fittings do not “grab” the tubing at a single point. It seals at the tip and not with a ferrule. Nor does it “grab” the tubing at a single point. It is this feature that gives nanoViper fittings their UHPLC, virtually dead-volume-free capabilities. The theoretical performance effect between the two example chromatograms below is about 20% increase in peak capacity.

### nanoViper Fingertight Fittings

| Length (mm) | Orange<br>20µm ID | Brown<br>50µm ID | Black<br>75µm ID | Red<br>100µm ID  | Purple<br>150µm ID |
|-------------|-------------------|------------------|------------------|------------------|--------------------|
| 70          | <b>6041.5120</b>  | <b>6041.5123</b> | <b>6041.5126</b> | <b>6041.5820</b> | <b>6041.5817</b>   |
| 150         | <b>6041.5121</b>  | <b>6041.5124</b> | <b>6041.5127</b> | <b>6041.5811</b> | <b>6041.5818</b>   |
| 250         | –                 | –                | <b>6041.5730</b> | <b>6041.5812</b> | <b>6041.5819</b>   |
| 350         | <b>6041.5240</b>  | <b>6041.5540</b> | <b>6041.5735</b> | <b>6041.5813</b> | <b>6041.5820</b>   |
| 450         | –                 | –                | –                | <b>6041.5814</b> | <b>6041.5821</b>   |
| 550         | <b>6041.5260</b>  | <b>6041.5560</b> | <b>6041.5760</b> | <b>6041.5815</b> | <b>6041.5822</b>   |
| 650         | <b>6041.5275</b>  | <b>6041.5575</b> | <b>6041.5775</b> | –                | –                  |
| 750         | <b>6041.5280</b>  | <b>6041.5580</b> | <b>6041.5780</b> | <b>6041.5816</b> | <b>6041.5823</b>   |
| 950         | <b>6041.5122</b>  | <b>6041.5125</b> | <b>6041.5128</b> | –                | –                  |

### Trap Column Cartridges Holders with nanoViper Fittings

| Description   | Cartridge Length (mm) | Fitting ID (µm) | Cat. No.      |
|---|-----------------------|-----------------|---------------|
| µ-Precolumn holder for trap cartridges with 2 x 100mm length nanoViper fittings | 5                     | 30              | <b>164649</b> |
|   | 15                    | 75              | <b>164650</b> |

### Sample Loops with nanoViper Fittings

| Volume (µL) | Cat. No.         | Quantity |
|-------------|------------------|----------|
| 1           | <b>6826.2401</b> | 1 Each   |
| 5           | <b>6826.2405</b> | 1 Each   |
| 10          | <b>6826.2410</b> | 1 Each   |
| 20          | <b>6826.2420</b> | 1 Each   |
| 50          | <b>6826.2450</b> | 1 Each   |
| 125         | <b>6826.2412</b> | 1 Each   |

## nanoViper Application Kits

nanoViper fittings are also included in tubing and application kits designed for use with the UltiMate 3000 RSLCnano systems.

### nanoViper Fitting Kits for UltiMate 3000 RSLCnano Systems

| Description  | Tubing | Samples | Trap Column | Separation Column | RSLCnano Systems |
|--|--------|---------|-------------|-------------------|------------------|
| Direct Injection nano LC Kit   | Y      | Y       | –           | Y                 | <b>6720.0300</b> |
| Direct Injection capillary LC Kit  | Y      | Y       | –           | Y                 | <b>6720.0305</b> |
| Preconcentration nano LC kit   | Y      | Y       | Y           | Y                 | <b>6720.0310</b> |
| Preconcentration capillary LC kit  | Y      | Y       | Y           | Y                 | <b>6720.0315</b> |
| Preconcentration monolithic LC kit   | Y      | Y       | Y           | Y                 | <b>6720.0320</b> |
| 2D salt plugs kit  | Y      | Y       | Y           | Y                 | <b>6720.0325</b> |
| Automated off line SCX-RP peptides kit   | Y      | Y       | Y           | Y                 | <b>6720.0330</b> |
| Automated off line RP-RP peptides kit  | Y      | Y       | Y           | Y                 | <b>6720.0340</b> |
| Tandem nano LC kit   | Y      | Y       | Y           | Y                 | <b>6720.0335</b> |
| FLM nanoViper tubing kit<br>(All tubing for nano LC preconcentration)                | Y      | –       | –           | –                 | <b>6041.5100</b> |
| MS connection kit  | Y      | –       | –           | –                 | <b>6720.0345</b> |
| EASY-Spray connection kit<br>(Supports direct injection as well as preconcentration) | Y      | Y       | Y           | –                 | <b>6720.0395</b> |

## SLIPFREE Connectors





Universal self-adjusting connections

- Void-free and leak-free by pushing tubing and ferrule into the end-fitting
- Compatible with all column end-fittings
- Stainless-steel threads
- Fingertight connections to 10,000psi





### SLIPFREE Ferrules

| Material | Cat. No.     | Quantity |
|----------|--------------|----------|
| PEEK     | <b>36023</b> | 1 Each   |
| Vespel   | <b>36024</b> | 1 Each   |
| Kel-F    | <b>36025</b> | 1 Each   |

### SLIPFREE Connectors, Single

|   | Length (cm) | 0.005in ID        | 0.010in ID        | 0.020in ID   |
|---|-------------|-------------------|-------------------|--------------|
| <b>Single</b>   |             |                   |                   |              |
|    | 6           | <b>30106</b>      | <b>31106</b>      | <b>32106</b> |
|   | 10          | <b>30110</b>      | <b>31110</b>      | <b>32110</b> |
|   | 20          | <b>30120</b>      | <b>31120</b>      | <b>32120</b> |
|   | 30          | <b>30130</b>      | <b>31130</b>      | <b>32130</b> |
|   | 50          | <b>30150</b>      | —                 | —            |
| <b>Single Flexible</b>  |             |                   |                   |              |
|    | 10.5        | <b>30111-FLEX</b> | <b>39111-FLEX</b> | —            |
|   | 15          | <b>30115-FLEX</b> | <b>39115-FLEX</b> | —            |
|   | 28          | <b>30128-FLEX</b> | <b>39128-FLEX</b> | —            |
|   | 40          | <b>30140-FLEX</b> | <b>39140-FLEX</b> | —            |
|   | 50          | <b>30150-FLEX</b> | —                 | —            |
|   | 60          | <b>30160-FLEX</b> | —                 | —            |
| <b>Single PEEK Collared</b>   |             |                   |                   |              |
|  | 6           | <b>30306</b>      | <b>31306</b>      | <b>32306</b> |
|   | 10          | <b>30310</b>      | <b>31310</b>      | <b>32310</b> |
|   | 20          | <b>30320</b>      | <b>31320</b>      | <b>32320</b> |
| <b>Single Long-neck</b>   |             |                   |                   |              |
|  | 10          | <b>30510</b>      | <b>31510</b>      | —            |
|   | 20          | <b>30520</b>      | <b>31520</b>      | <b>32520</b> |

### SLIPFREE Connectors, Double

|   | Length (cm) | 0.005in ID        | 0.010in ID        | 0.020in ID   |
|---|-------------|-------------------|-------------------|--------------|
| <b>Double</b>   |             |                   |                   |              |
|  | 6           | <b>30206</b>      | <b>31206</b>      | <b>32206</b> |
|   | 10          | <b>30210</b>      | <b>31210</b>      | <b>32210</b> |
|   | 20          | <b>30220</b>      | <b>31220</b>      | <b>32220</b> |
|   | 30          | <b>30230</b>      | <b>31230</b>      | <b>32230</b> |
|   | 40          | <b>30240</b>      | —                 | —            |
| <b>Double Flexible</b>  |             |                   |                   |              |
|  | 10.5        | <b>30211-FLEX</b> | <b>39211-FLEX</b> | —            |
|   | 15          | <b>30215-FLEX</b> | <b>39215-FLEX</b> | —            |
|   | 28          | <b>30228-FLEX</b> | <b>39228-FLEX</b> | —            |
|   | 40          | <b>30240-FLEX</b> | <b>39240-FLEX</b> | —            |
| <b>Double PEEK Collared</b>   |             |                   |                   |              |
|  | 6           | <b>30406</b>      | <b>31406</b>      | <b>32406</b> |
|   | 10          | <b>30410</b>      | <b>31410</b>      | <b>32410</b> |
|   | 20          | <b>30420</b>      | <b>31420</b>      | <b>32420</b> |
| <b>Double Long-neck</b>   |             |                   |                   |              |
|  | 10          | <b>31710</b>      | <b>32710</b>      | —            |
|   | 20          | <b>31720</b>      | <b>32720</b>      | —            |

## 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 | <b>60170-370</b> | 1 Each   |



## Solvent Inlet Filters

Feature a large surface area for a long lifetime

- 10µm inlet filters for longer lifetime
- No tools required for replacement






### Solvent Inlet Filters for UltiMate 3000 Systems

| Description                                     | Model               | Cat. No.         | Quantity |
|---|---------------------|------------------|----------|
| Filter frit, porosity 10µm, V4A stainless steel | UltiMate 3000 pumps | <b>6268.0110</b> | 10 Each  |
| Filter frit, porosity 10µm, titanium            | UltiMate 3000 pumps | <b>6268.0111</b> | 10 Each  |
| Filter holder                                   | UltiMate 3000 pumps | <b>6268.0115</b> | 6 Each   |
| Solvent supply line, 1.5 x 3.0 x 1000mm         | UltiMate 3000 pumps | <b>6030.2548</b> | 1 Each   |

## Bottom-of-the-Bottle solvent filters

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

### Solvent Filters for HPLC Systems

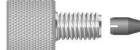




|   | Type                 | For Use with                                      | Cat. No.      | Quantity |
|---|----------------------|---|---------------|----------|
|  | Stainless Steel      | Fit 1/16in OD tube to 1/8in OD plastic tubing     | <b>A-302</b>  | 1 Each   |
|  | Stainless Steel     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

## High Pressure Stainless Steel Nuts and Ferrules

Accommodate a wide range of configurations

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

### Thermo Scientific High Pressure Stainless Steel Nuts and Ferrules

| Type   | Cat. No.      | Quantity |
|--|---------------|----------|
|  10-32 thread nut with ferrule    | <b>F-190</b>  | 1 Each   |
| Replacement PEEK Ferrules  | <b>F-192x</b> | 10 Pack  |
|  Male hex nut                     | <b>U-400x</b> | 10 Pack  |
| Universal ferrules, 0.625in  | <b>U-401x</b> | 10 Pack  |
|  Valco male hex nut, 10-32 thread | <b>U-320x</b> | 10 Pack  |
|  Valco ferrules, 0.625in          | <b>U-321x</b> | 10 Pack  |
|  Male hex nut, Waters compatible  | <b>U-410x</b> | 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 | <b>60182-357</b> | 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      | <b>F-120x</b>    | 10 Pack  |
|  One-Piece Long Fingertight Fitting, 1/16in, 0.37in head | <b>F-130x</b>    | 10 Pack  |
|  One-Piece PEEK Fingertight Fitting, 1/32in, 0.25in head | <b>M-645x</b>    | 10 Pack  |
|  Two-Piece Fingertight Wing Nut with Ferrule, 1/16in     | <b>F-300x</b>    | 10 Pack  |
|  Replacement PEEK Ferrules                               | <b>F-142x</b>    | 10 Pack  |
|  Column End Plugs, 1/16in, 10-32 coned, Delrin, Black    | <b>U-467BLKx</b> | 10 Pack  |
|  Column End Plugs, 1/16in, 10-32 coned, Delrin, Red      | <b>U-467Rx</b>   | 10 Pack  |

## Viper Unions

Suitable only for direct connection of two Viper capillaries

| Description                  | Cat. No.         | Quantity |
|------------------------------|------------------|----------|
| Viper union, stainless steel | <b>6040.2304</b> | 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             | <b>U-435</b> | 1 Each   |
|  Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.020             | 0.134             | <b>U-402</b> | 1 Each   |
|  Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.050             | 0.836             | <b>U-437</b> | 1 Each   |
|  Union, stainless steel, Upchurch Scientific/Parker fittings compatible, includes 2 stainless steel nuts and ferrules | 0.062             | ~0.0              | <b>U-438</b> | 1 Each   |
|  Union, stainless steel, Waters fittings compatible, includes 2 stainless steel nuts and ferrules                     | 0.020             | 0.129             | <b>U-412</b> | 1 Each   |
|  Union, stainless steel, Valco fittings compatible, includes 2 stainless steel nuts and ferrules                      | 0.020             | 0.103             | <b>U-322</b> | 1 Each   |
|  Tee, stainless steel, 10-32 fittings for use with 1/16in OD tubing   | 0.020             | 0.57              | <b>U-428</b> | 1 Each   |
|  Cross, stainless steel, 10-32 fittings for use with 1/16in OD tubing   | 0.020             | 0.72              | <b>U-430</b> | 1 Each   |






## PEEK Unions, Tees and Crosses

Well-suited to high pressure applications

- Absolute zero or low dead volume formats
- Biocompatible

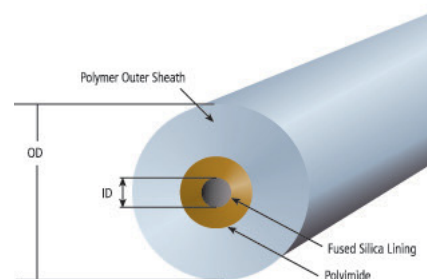
### PEEK and PEEK Lined Unions, Tees and Crosses

|   | Description   | Through Hole (in) | Swept Volume (µL) | Cat. No.     | Quantity |
|---|---|-------------------|-------------------|--------------|----------|
|  | Union, PEEK polymer, includes two PEEK 2-piece fittings   | 0.010             | 0.070             | <b>P-742</b> | 1 Each   |
|   | Union, PEEK polymer, includes two PEEK 2-piece fittings   | 0.020             | 0.28              | <b>P-704</b> | 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              | <b>P-727</b> | 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              | <b>P-729</b> | 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          | <b>60182-500</b> | 5 Pack   |
|         | 20          | <b>60182-501</b> | 5 Pack   |
|         | 50          | <b>60182-502</b> | 2 Pack   |
| 0.004   | 10          | <b>60182-503</b> | 5 Pack   |
|         | 20          | <b>60182-504</b> | 5 Pack   |
|         | 50          | <b>60182-505</b> | 2 Pack   |
| 0.007   | 10          | <b>60182-506</b> | 5 Pack   |
|         | 20          | <b>60182-507</b> | 5 Pack   |
|         | 50          | <b>60182-508</b> | 2 Pack   |

### Applications:

- HPLC
- LC-MS

## PEEK Sleeves for Fused Silica Capillary Tubing

Withstands high pressures

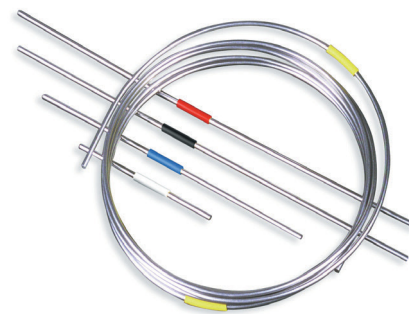
### 1/16in OD PEEK Sleeves for Fused Silica Capillary Tubing

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

## 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 |
|--|-------------|--------|-------------------|----------|
| <b>1/16in OD Precut Tubing</b>                     |             |        |                   |          |
| 0.005  | 5           | Red    | <b>U-152</b>      | 1 Each   |
|  | 10          | Red    | <b>U-153</b>      | 1 Each   |
|  | 20          | Red    | <b>U-154</b>      | 1 Each   |
|  | 30          | Red    | <b>U-155</b>      | 1 Each   |
|  | 50          | Red    | <b>U-156</b>      | 1 Each   |
|  | 100         | Red    | <b>U-157</b>      | 1 Each   |
| 0.007  | 5           | Black  | <b>U-126</b>      | 1 Each   |
|  | 10          | Black  | <b>U-127</b>      | 1 Each   |
|  | 20          | Black  | <b>U-128</b>      | 1 Each   |
|  | 30          | Black  | <b>U-129</b>      | 1 Each   |
|  | 50          | Black  | <b>U-130</b>      | 1 Each   |
|  | 100         | Black  | <b>U-131</b>      | 1 Each   |
| 0.010  | 5           | Blue   | <b>U-111</b>      | 1 Each   |
|  | 10          | Blue   | <b>U-112</b>      | 1 Each   |
|  | 20          | Blue   | <b>U-113</b>      | 1 Each   |
|  | 30          | Blue   | <b>U-114</b>      | 1 Each   |
|  | 50          | Blue   | <b>U-132</b>      | 1 Each   |
|  | 100         | Blue   | <b>U-133</b>      | 1 Each   |
| <b>1/32in OD Precut Tubing with 1/16in Sleeves</b> |             |        |                   |          |
| 0.005  | 10.5        | Red    | <b>30011-FLEX</b> | 1 Each   |
|  | 15          | Red    | <b>30015-FLEX</b> | 1 Each   |
|  | 28          | Red    | <b>30028-FLEX</b> | 1 Each   |
|  | 40          | Red    | <b>30040-FLEX</b> | 1 Each   |
| 0.007  | 10.5        | Yellow | <b>39011-FLEX</b> | 1 Each   |
|  | 15          | Yellow | <b>39015-FLEX</b> | 1 Each   |
|  | 28          | Yellow | <b>39028-FLEX</b> | 1 Each   |
|  | 40          | Yellow | <b>39040-FLEX</b> | 1 Each   |

### 1/16in 316 Stainless Steel Tubing, 5-Foot Coil

| ID (in) | Cat. No.     | Quantity |
|---------|--------------|----------|
| 0.005   | <b>U-158</b> | 1 Each   |
| 0.007   | <b>U-108</b> | 1 Each   |
| 0.010   | <b>U-106</b> | 1 Each   |
| 0.020   | <b>U-105</b> | 1 Each   |
| 0.030   | <b>U-107</b> | 1 Each   |
| 0.040   | <b>U-144</b> | 1 Each   |
| 0.046   | <b>U-151</b> | 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, but nitric acid, sulfuric acid, dichloromethane, THF and DMSO are not recommended

### 1/16in OD Precut PEEK Tubing

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

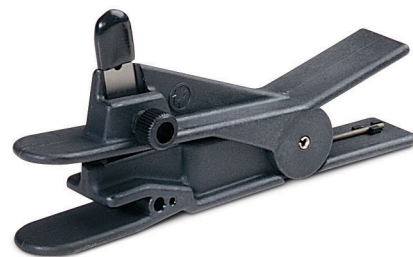
### 1/16in OD PEEK Tubing, 5-Foot Coil

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

## Polymer Tubing Cutter

Produces a flat, 90°, burr-free end

- Compatible with rigid polymeric tubing
- Guide holes for 1/16in and 1/8in tubing



### Polymer Tubing Cutter

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

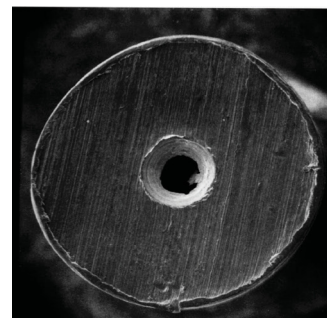
## Terry Tool Tubing Cutters

Produce clean, 90° cuts of stainless steel tubing



### Terry Tool Tubing Cutters

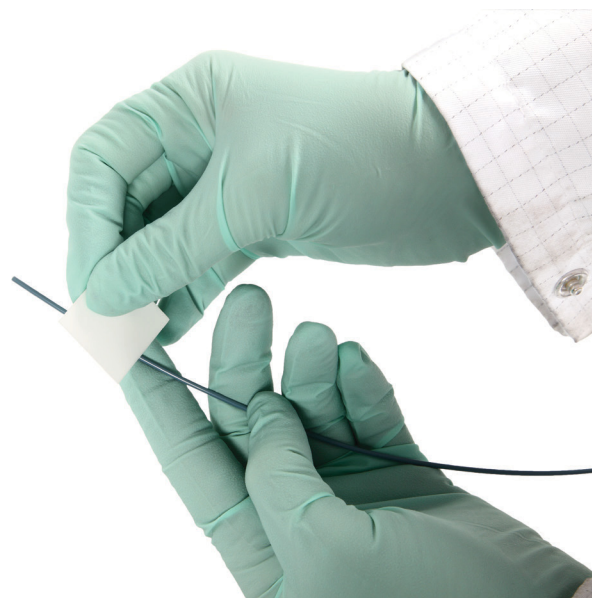
| Description                   | Cat. No.         | Quantity |
|-------------------------------|------------------|----------|
| 1/16in stainless steel tubing | <b>60182-509</b> | 1 Each   |
| 1/8in stainless steel tubing  | <b>60182-510</b> | 1 Each   |



## Fused Silica Cutter

### Fused Silica Cutter

| Description                         | Cat. No.         | Quantity |
|-------------------------------------|------------------|----------|
| Cutter for fused silica capillaries | <b>6720.0016</b> | 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 1 $\mu$ L 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                          | <b>7725</b>  | 1 Each   |
| 7725i | Dual | Continuous flow, position sensing switch | <b>7725i</b> | 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 $\mu$ 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                          | <b>9725</b>  | 1 Each   |
| 9725i | Dual | Continuous flow, position sensing switch | <b>9725i</b> | 1 Each   |

## 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 50 $\mu$ L sample loops



### Rheodyne 8125 Low-dispersion Microscale Injector

| Model | Mode | Features        | Cat. No.    | Quantity |
|-------|------|-----------------|-------------|----------|
| 8125  | Dual | Continuous flow | <b>8125</b> | 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 | <b>7010</b> | 1 Each   |

**Compatible with:**  
sample loop sizes 5µL to 20mL

## Rheodyne 9010 Sample Injector

Single-mode sample injector designed for the complete filling method

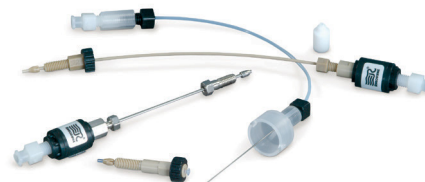
- Compatible with sample loop sizes 5µL to 10mL
- PEEK stator
- Position sensing switch provides a reproducible start signal

### Rheodyne 9010 Sample Injector

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

## Rheodyne Ports for Injectors

Suitable for popular Rheodyne injector models



### Rheodyne Ports for Rheodyne Injectors Models 7010 and 9010

| For Use with Rheodyne Model       | Cat. No.    | Quantity |
|-----------------------------------|-------------|----------|
| 7010 Filler Port, Stainless Steel | <b>7012</b> | 1 Each   |
| 9010 Filler Port, PEEK            | <b>9012</b> | 1 Each   |
| 9010 Needle Port, PEEK            | <b>9013</b> | 1 Each   |

## Rheodyne Sample Loops

For Rheodyne sample injectors in stainless steel or biocompatible PEEK

### PEEK and Stainless Steel Sample Loops

| Description   | Volume | ID (mm / in) | Cat. No.        | Quantity |
|---|--------|--------------|-----------------|----------|
| Sample loops for 7010 and 7125 injectors, Stainless Steel | 5µL    | 0.18 / 0.007 | <b>7020</b>     | 1 Each   |
|   | 10µL   | 0.30 / 0.012 | <b>7021</b>     | 1 Each   |
|   | 20µL   | 0.30 / 0.012 | <b>7022</b>     | 1 Each   |
|   | 50µL   | 0.51 / 0.020 | <b>7023</b>     | 1 Each   |
|   | 100µL  | 0.51 / 0.020 | <b>7024</b>     | 1 Each   |
|   | 200µL  | 0.76 / 0.030 | <b>7025</b>     | 1 Each   |
|   | 500µL  | 0.76 / 0.030 | <b>7026</b>     | 1 Each   |
|   | 1mL    | 0.76 / 0.030 | <b>7027</b>     | 1 Each   |
|   | 5mL    | 1.0 / 0.040  | <b>7029</b>     | 1 Each   |
| Sample loops for 7725 and 7725i injectors Stainless Steel | 5µL    | 0.18 / 0.007 | <b>7755-020</b> | 1 Each   |
|   | 10µL   | 0.30 / 0.012 | <b>7755-021</b> | 1 Each   |
|   | 20µL   | 0.30 / 0.012 | <b>7755-022</b> | 1 Each   |
|   | 50µL   | 0.51 / 0.020 | <b>7755-023</b> | 1 Each   |
| Sample loops for 8125 injectors, Stainless Steel          | 5µL    | 0.20 / 0.008 | <b>8020</b>     | 1 Each   |
|   | 10µL   | 0.20 / 0.008 | <b>8021</b>     | 1 Each   |
|   | 20µL   | 0.25 / 0.010 | <b>8022</b>     | 1 Each   |
|   | 50µL   | 0.30 / 0.012 | <b>8023</b>     | 1 Each   |
| Sample loops for 9010 and 9725 injectors, PEEK            | 2µL    | Internal     | <b>7755-015</b> | 1 Each   |
|   | 5µL    | 0.18 / 0.007 | <b>9055-020</b> | 1 Each   |
|   | 10µL   | 0.25 / 0.010 | <b>9055-021</b> | 1 Each   |
|   | 20µL   | 0.25 / 0.010 | <b>9055-022</b> | 1 Each   |
|   | 50µL   | 0.51 / 0.020 | <b>9055-023</b> | 1 Each   |
|   | 100µL  | 0.51 / 0.020 | <b>9055-024</b> | 1 Each   |
|   | 200µL  | 0.51 / 0.020 | <b>9055-025</b> | 1 Each   |
|   | 500µL  | 0.76 / 0.030 | <b>9055-026</b> | 1 Each   |
|   | 1mL    | 0.76 / 0.030 | <b>9055-027</b> | 1 Each   |
|   | 5mL    | 0.76 / 0.030 | <b>9055-029</b> | 1 Each   |
| Sample loops for 9725 and 9725i injectors, PEEK           | 5µL    | 0.18 / 0.007 | <b>9055-020</b> | 1 Each   |
|   | 10µL   | 0.25 / 0.010 | <b>9055-021</b> | 1 Each   |
|   | 20µL   | 0.25 / 0.010 | <b>9055-022</b> | 1 Each   |
|   | 50µL   | 0.51 / 0.020 | <b>9055-023</b> | 1 Each   |

## RheBuild Kits

Maintain Rheodyne valves and injectors

### RheBuild Kits

| For Use with Rheodyne Models  | Cat. No.        | Quantity |
|-------------------------------|-----------------|----------|
| 3725/3725i/3725-038/3725i-038 | <b>3725-999</b> | 1 Each   |
| 7010/7000                     | <b>7010-999</b> | 1 Each   |
| 7125/7126                     | <b>7125-999</b> | 1 Each   |
| 7410                          | <b>7410-999</b> | 1 Each   |
| 7520/7526                     | <b>7520-999</b> | 1 Each   |
| 7725/7725i/7726               | <b>7725-999</b> | 1 Each   |
| 8125/8126                     | <b>8125-999</b> | 1 Each   |
| 9125/9126                     | <b>9125-999</b> | 1 Each   |



## Rheodyne Suction Needle Adapter

For use with Rheodyne sample injectors

### Rheodyne Suction Needle Adapter

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

## Rheodyne Replacement Rotor Seals for Injectors

Suitable for popular Rheodyne injector models

### Rheodyne Replacement Rotor Seals for Injectors

| For Use with Rheodyne Models  | Cat. No.        | Quantity |
|-------------------------------|-----------------|----------|
| <b>Vespel Seals</b>           |                 |          |
| 7000/7010/7040/7067           | <b>7010-039</b> | 1 Each   |
| 7030                          | <b>7030-003</b> | 1 Each   |
| 7060/7066                     | <b>7060-070</b> | 1 Each   |
| 7125/7126                     | <b>7125-047</b> | 1 Each   |
| 7410                          | <b>7410-038</b> | 1 Each   |
| 7413                          | <b>7413-013</b> | 1 Each   |
| 8125/8126                     | <b>8125-038</b> | 1 Each   |
| <b>Tefzel Seals</b>           |                 |          |
| 7000/7010/7040                | <b>7010-071</b> | 1 Each   |
| 7030                          | <b>7030-015</b> | 1 Each   |
| 7060/7066/9060                | <b>7060-074</b> | 1 Each   |
| 7410                          | <b>7410-075</b> | 1 Each   |
| 7125/7126                     | <b>7125-079</b> | 1 Each   |
| 8125                          | <b>8125-097</b> | 1 Each   |
| 9010                          | <b>9010-051</b> | 1 Each   |
| 9125                          | <b>9125-082</b> | 1 Each   |
| <b>PEEK Seals</b>             |                 |          |
| 3725/3725i/3725-038/3725i-038 | <b>3725-018</b> | 1 Each   |

## Rheodyne Stators

Suitable for popular Rheodyne injector models

### Rheodyne Stators

| For Use with Rheodyne Models | Cat. No.        | Quantity |
|------------------------------|-----------------|----------|
| 7000/7010/7030/7040/7125     | <b>7010-040</b> | 1 Each   |
| 7010-087/7125-081            | <b>7010-066</b> | 1 Each   |
| 7060/7066                    | <b>7060-039</b> | 1 Each   |
| 7410/7413                    | <b>7410-041</b> | 1 Each   |
| 9010/9030/9125               | <b>9125-043</b> | 1 Each   |
| 9060                         | <b>9060-016</b> | 1 Each   |
| 7725                         | <b>7725-010</b> | 1 Each   |
| 8125/8126                    | <b>8125-098</b> | 1 Each   |

### Rheodyne Stator Face Assemblies

| For Use with Rheodyne Models  | Cat. No.        | Quantity |
|-------------------------------|-----------------|----------|
| 3725/3725i/3725-038/3725i-038 | <b>3725-039</b> | 1 Each   |
| 7125                          | <b>7125-067</b> | 1 Each   |
| 8125                          | <b>8125-074</b> | 1 Each   |
| 9125/9010/9030                | <b>8125-094</b> | 1 Each   |
| 9060                          | <b>9060-015</b> | 1 Each   |
| 9725                          | <b>7725-026</b> | 1 Each   |

## Rheodyne Injection Port Needle Cleaner

For use with Rheodyne sample injectors

### Rheodyne Injection Port Needle Cleaner

| For Use with       | Cat. No.        | Quantity |
|--------------------|-----------------|----------|
| Rheodyne injectors | <b>7125-054</b> | 1 Each   |

## Rheodyne Valve Mounting Brackets

For use with Rheodyne sample injectors

### Rheodyne Injection Port Needle Cleaner






| For Use with  | Cat. No.        | Quantity |
|---------------|-----------------|----------|
| Angle bracket | <b>7160-010</b> | 1 Each   |
| Mouting panel | <b>7160</b>     | 1 Each   |

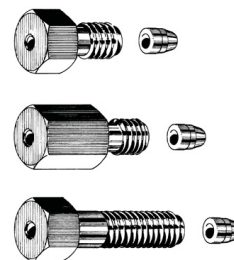


## RheFlex High Pressure Fittings

Precision machined from 316 stainless steel

### RheFlex High Pressure Fittings

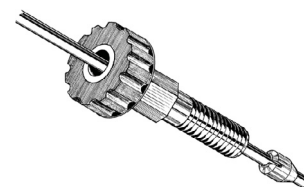
|   | Type                         | Cat. No.        | Quantity |
|---|------------------------------|-----------------|----------|
|  | Short Fittings Set           | <b>6000-109</b> | 5 Pack   |
|   | Short Fittings Set           | <b>6000-209</b> | 10 Pack  |
|  | Long Fittings Set            | <b>6000-111</b> | 5 Pack   |
|   | Long Fittings Set            | <b>6000-211</b> | 10 Pack  |
|  | Extra Long Fittings Set      | <b>6000-162</b> | 5 Pack   |
|   | Extra Long Fittings Set      | <b>6000-262</b> | 10 Pack  |
|  | 1/16in Ferrule               | <b>6000-110</b> | 5 Pack   |
|   | 1/16in Ferrule               | <b>6000-210</b> | 10 Pack  |
|  | 0.5mm Ferrule for Model 8125 | <b>8125-084</b> | 1 Each   |



## RheFlex Two-Piece PEEK Fittings

Provide inert, metal-free connections

- Slotted back-side 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 5000 psi
- Reusable ferrule and nut

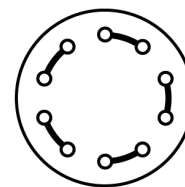


### RheFlex Two-Piece PEEK Fittings

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

## 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       | <b>C2-1006</b>   | 1 Each   |
|   | 10 ports      | <b>C2-1000</b>   | 1 Each   |
| Model C2 injector, N60 stainless stator, 5µL loop, microelectric actuator | 6 ports       | <b>C2-1006EH</b> | 1 Each   |
|   | 10 ports      | <b>C2-1000EP</b> | 1 Each   |
| Sample injector loops, stainless steel                                    | 2µL           | <b>CSL2</b>      | 1 Each   |
|   | 5µL           | <b>CSL5</b>      | 1 Each   |
|   | 10µL          | <b>CSL10</b>     | 1 Each   |
|   | 20µL          | <b>CSL20</b>     | 1 Each   |
|   | 50µL          | <b>CSL50</b>     | 1 Each   |
|   | 100µL         | <b>CSL100</b>    | 1 Each   |
| Model C4 injector, PAEK stator, 5µL loop, microelectric actuator          | 6 ports       | <b>C2-1346EH</b> | 1 Each   |
|   | 10 ports      | <b>C2-1340EP</b> | 1 Each   |
| Sample injector loops, PAEK   | 5µL           | <b>CZSL5PK</b>   | 1 Each   |
|   | 10µL          | <b>CZSL10PK</b>  | 1 Each   |
|   | 50µL          | <b>CZSL50PK</b>  | 1 Each   |
|   | 100µL         | <b>CZSL100PK</b> | 1 Each   |

## Valco Injector Model C6W

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

## Valco Accessories

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