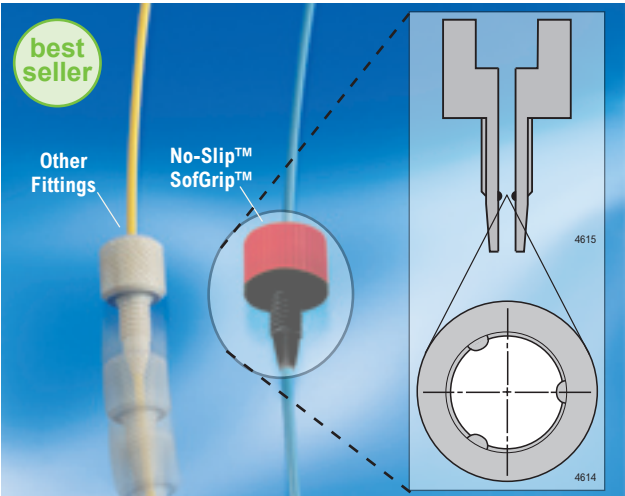


# SofGrip™ One-Piece High-Pressure Fittings

- Soft elastomer cushion makes hand-tightening comfortable
- Graph-Tite™ construction is three times stronger than PEEK
- One-piece integrated ferrule eliminates handling small pieces
- No-Slip™ version stays on tubing between connections

SofGrip™ One-Piece Fitting Specifications	
Material:	Graph-Tite™ (Carbon-Reinforced PEEK)
Max. Temperature:	100°C
Max. Pressure:	5000psig
Thread Type:	10-32 UNF
Typical Use:	1/16" o.d. Tubing Connections



Integral barrel tines in No-Slip™ SofGrip™ fittings lightly grip tubing. This holds the fitting in place between connections.

# One-Piece High-Pressure Fittings

- PEEK or Graph-Tite™ construction is inert and biocompatible
- One-piece integrated ferrule eliminates handling small pieces
- No-Slip™ version stays on tubing between connections

One-Piece Fitting Specifications	
Material:	PEEK or Graph-Tite™ (Carbon-Reinforced PEEK)
Max. Temperature:	100°C
Max. Pressure:	Finger-Tight™: 5000psig / Wrench-Tight™: 8000psig
Thread Type:	10-32 UNF
Typical Use:	1/16" o.d. Tubing Connections



## One-Piece High-Pressure Fittings

Graphic	Length	Color	Material	Qty.	Standard Part No.	No-Slip Part No.
SofGrip™ One-Piece Fittings						
A	Short	Black	Graph-Tite™	10	40501	40511
A	Short	Red	Graph-Tite™	10	40502	40512
A	Short	Blue	Graph-Tite™	10	40503	40513
A	Short	Green	Graph-Tite™	10	40504	40514
A	Short	Yellow	Graph-Tite™	10	40505	40515
B	Long	Black	Graph-Tite™	10	40506	40516
A	Short	Assort.	Graph-Tite™	10	40507	40517
One-Piece Fittings, Finger-Tight™						
C	Short	Natural	PEEK	10	32233	32293
C	Short	Red	PEEK	10	32072	32936
C	Short	Yellow	PEEK	10	32074	—
C	Short	Blue	PEEK	10	32076	—
C	Short	Green	PEEK	10	32078	32931
C	Short	Black	Graph-Tite™	10	32343	31001
C	Short	Assort.	PEEK	12	32070	—
D	Long	Natural	PEEK	10	32235	—
One-Piece Fittings, Hex-Head						
E	Short	Natural	PEEK	10	32236	—
E	Short	Black	Graph-Tite™	10	32347	31003
F	Long	Natural	PEEK	10	32238	32299

# Two-Piece High-Pressure Fittings

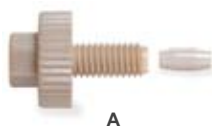
best value

## Double-Sided Ferrule (DSF) Fittings

- Double-sided ferrule (DSF) provides twice the gripping power
- PEEK construction is inert and biocompatible
- Economical two-piece design

DSF fittings have a double-sided ferrule which grips tubing in two places. This increases the holding power and decreases the force on one area of the tubing. A unique Wrench-Tight™ and Finger-Tight™ design is available and combines the convenience of a Finger-Tight™ fitting with the option to wrench-tighten when higher pressures are used.

Two-Piece DSF Fitting Specifications	
<b>Material:</b>	PEEK or Kel-F®
<b>Max. Temperature:</b>	100°C
<b>Max. Pressure:</b>	Finger-Tight™: 5000psig Wrench-Tight™: 10,000psig
<b>Thread Type:</b>	10-32 UNF
<b>Typical Use:</b>	1/16" o.d. Tubing Connections



A



B



C

### Two-Piece DSF Fittings

Color	Material	Qty.	Wrench-Tight™/Finger-Tight™ Part No. (A)	Short Hex-Head Part No. (B)	Long Hex-Head Part No. (C)
<i>Two-Piece DSF Fittings</i>					
Natural	PEEK	10	<b>35753</b>	<b>35744</b>	<b>35735</b>
Black	PEEK	10	<b>35077</b>	<b>37087</b>	<b>37097</b>
<i>Replacement Ferrules (DSF)</i>					
Natural	PEEK	10	<b>35740</b>	<b>35740</b>	<b>35740</b>
Natural	Kel-F®	5	<b>32025</b>	<b>32025</b>	<b>32025</b>

## Wing-Nut Fittings

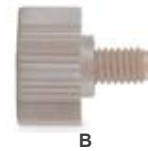
- "Wing-Nut" provides Finger-Tight™ operation to 6000psig
- Easier to make and break connections by hand
- Economical two-piece design
- PEEK or Graph-Tite™ construction is inert and biocompatible

### Two-Piece Wing-Nut Fitting Specifications

<b>Material:</b>	PEEK or Graph-Tite™ (Carbon-Reinforced PEEK)
<b>Max. Temperature:</b>	100°C
<b>Max. Pressure:</b>	6000psig
<b>Thread Type:</b>	10-32 UNF
<b>Typical Use:</b>	1/16" o.d. Tubing Connections



A



B



C

### Two-Piece Wing-Nut Fittings

Graphic	Color	Material	Qty.	Part No.
<i>Two-Piece Wing-Nut Fittings with Ferrules</i>				
<b>A</b>	Black	Graph-Tite™†	10	<b>32327</b>
<b>B</b>	Natural	PEEK	10	<b>32326</b>
<i>Replacement Ferrules</i>				
<b>C</b>	PEEK Ferrules	PEEK	10	<b>32335</b>

†Carbon-reinforced PEEK.

## Stainless Steel Hex-Head and Finger-Tight™ Fittings



A



B



C



D



E



F



G



H

### Stainless Steel Two-Piece Hex-Head Fitting Specifications

<b>Material:</b>	300 Stainless Steel
<b>Max. Temperature:</b>	500°C
<b>Max. Pressure:</b>	10,000psig
<b>Thread Type:</b>	10-32 UNF for 1/16", 6-32 UNF for 1/32"
<b>Typical Use:</b>	1/16" and 1/32" o.d. Tubing Connections

### Stainless Steel Two-Piece Finger-Tight™ Fitting Specifications

<b>Material:</b>	300 Stainless Steel and PEEK
<b>Max. Temperature:</b>	100°C
<b>Max. Pressure:</b>	7000psig
<b>Thread Type:</b>	10-32 UNF
<b>Typical Use:</b>	1/16" o.d. Tubing Connections

### Stainless Steel Two-Piece Fittings

Graphic	Description	Length	Qty.	Part No.
<i>Stainless Steel Two-Piece Hex-Head Fittings</i>				
<b>A</b>	1/16" Nut	Short	5	<b>206085</b>
<b>B</b>	1/16" Nut	Long	5	<b>286335</b>
<b>C</b>	1/16" Nut	Extra-Long	5	<b>306141</b>
—	1/32" Nut	Short	10	<b>306101</b>
<b>D</b>	1/16" Female Nut	—	5	<b>321355</b>
<i>Ferrules</i>				
<b>E</b>	1/16"	—	5	<b>286075</b>
—	1/32"	—	10	<b>30640</b>
<i>Stainless Steel Two-Piece Finger-Tight™ Fittings</i>				
<b>F</b>	1/16" Nut	Short	5	<b>321185</b>
<b>G</b>	1/16" Nut	Long	5	<b>321025</b>
<i>Ferrule</i>				
<b>H</b>	PEEK, 1/16"	—	5	<b>321805</b>

## Valco® High-Pressure Fittings

## Valco® Fitting Specifications

<b>Material:</b>	316 Stainless Steel, PEEK, or PTFE
<b>Max. Temperature:</b>	500°C (SS) 100°C (PEEK and PTFE)
<b>Max. Pressure:</b>	10,000psig (SS), 8000psig (PEEK and PTFE)
<b>Typical Use:</b>	High-Pressure Tubing Connections

## Valco® Nuts and Ferrules



## Valco® Nuts and Ferrules

Graphic	Description	Qty.	Part No.
<i>Stainless Steel Nuts</i>			
<b>A</b>	1/32" Nut	10	<b>306101</b>
<b>A</b>	1/16" Nut	10	<b>306121</b>
<b>A</b>	1/8" Nut	10	<b>306151</b>
<i>Stainless Steel Ferrules</i>			
<b>B</b>	1/32" (Type 303)	10	<b>30640</b>
<b>B</b>	1/16" (Type 316)	10	<b>30646</b>
<b>B</b>	1/8" (Type 316)	10	<b>30647</b>
<i>PEEK Ferrules</i>			
<b>C</b>	1/16"	10	<b>30661</b>
<b>C</b>	1/8"	10	<b>30662</b>
<i>PTFE Ferrules</i>			
<b>D</b>	1/16"	10	<b>30671</b>
<b>D</b>	1/8"	10	<b>30672</b>

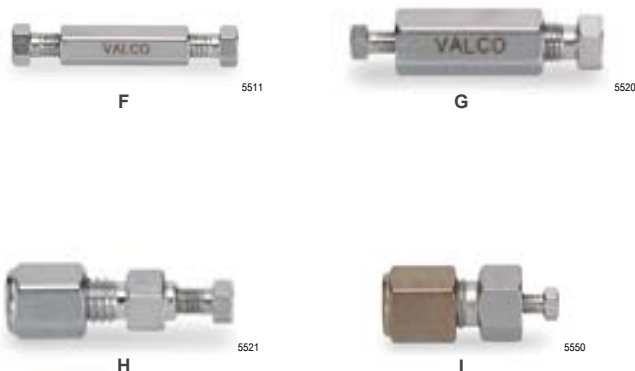
## Valco® Tees



## Valco® Tees

Graphic	Size	Bore	Part No.
<i>Tees</i>			
<b>E</b>	1/32"	0.25mm	<b>30770</b>
<b>E</b>	1/16"	0.25mm	<b>30771</b>
<b>E</b>	1/8"	0.75mm	<b>30773</b>
<b>E</b>	1/8"	2.0mm	<b>30774</b>

## Valco® Unions



## Valco® Unions

Graphic	Size	Bore	Part No.
<i>Internal Unions</i>			
<b>F</b>	1/16"	0.25mm	<b>30713</b>
<b>F</b>	1/16"	0.50mm	<b>30714</b>
<b>F</b>	1/16"	0.75mm	<b>30715</b>
<b>F</b>	1/16"	1/16"	<b>45835</b>
<b>F</b>	1/8"	2.0mm	<b>30718</b>
<b>F</b>	1/8"	1/8"	<b>30719</b>
<i>Internal Reducing Unions</i>			
<b>G</b>	1/16" to 1/32"	0.25mm	<b>30740</b>
<b>G</b>	1/8" to 1/16"	0.25mm	<b>30746</b>
<b>G</b>	1/8" to 1/16"	0.75mm	<b>45850</b>
<b>G</b>	1/4" to 1/8"	1/8"	<b>30755</b>
<i>External/Internal Reducing Unions</i>			
<b>H</b>	1/8" to 1/16"	1/16"	<b>30761</b>
<b>H</b>	1/4" to 1/8"	2.0mm	<b>30765</b>
<b>H</b>	1/4" to 1/8"	1/8"	<b>30766</b>
<i>Column Endfittings</i>			
<b>I</b>	1/4" to 1/16"	2.1mm	<b>45905</b>
<b>I</b>	1/4" to 1/16"	3.0mm	<b>45907</b>

## related products

Looking for stainless steel tubing?  
See pages 386 and 388.

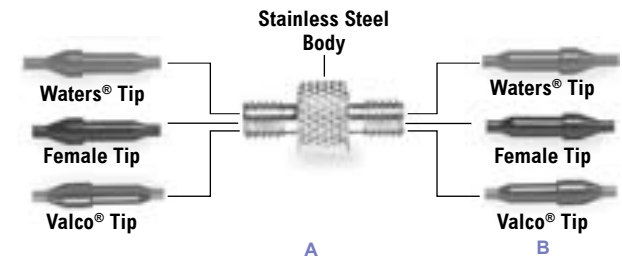


5562

# High-Pressure Adapters

## Universal Direct-Connect™ Column Coupler

The Universal Direct-Connect™ Column Coupler will join any two columns, regardless of fitting type. A 10-32 threaded body accepts any of the three Kel-F® tips on either side. Select the correct tip to join columns of any fitting type.

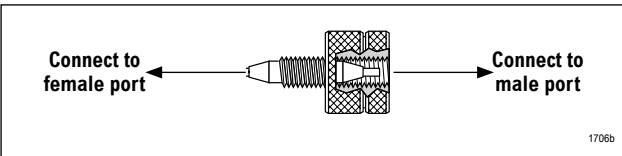
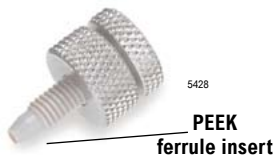


Universal Direct-Connect™ Column Couplers		
Graphic	Description	Part No.
<i>Universal Direct-Connect™ Column Coupler</i>		
<b>A</b>	Universal Type*	<b>28638</b>
<i>Replacement Kel-F® Tips</i>		
<b>B</b>	Waters® ("C")	<b>28004</b>
<b>B</b>	Female ("B")	<b>28002</b>
<b>B</b>	Valco®	<b>28006</b>

\*Includes one stainless steel body, two Waters® tips, and two ferrule tips.

## Universal Direct-Connect™ Column Adapter

- Double-sided adapter works with male or female 10-32 fittings
- Polymeric ferrule insert adjusts to any stop depth
- Seals Finger-Tight™ to 5000psig
- Inert PEEK ferrule insert



Flip adapter around to accommodate any 10-32 fitting.

Universal Direct-Connect™ Column Adapter	
Description	PEEK Part No.
Universal Direct-Connect™ Column Adapter	<b>29242</b>
Replacement Inserts	<b>292405</b>
Universal Adapter Kit*	<b>29244</b>

\*Includes two adapters and four inserts.

## One-Piece Couplers

One-Piece PEEK Couplers have a non-wetted color-coded Delrin® handle. Stop depth of the tip is fixed, and provides a reliable connection when used with matching port configurations.

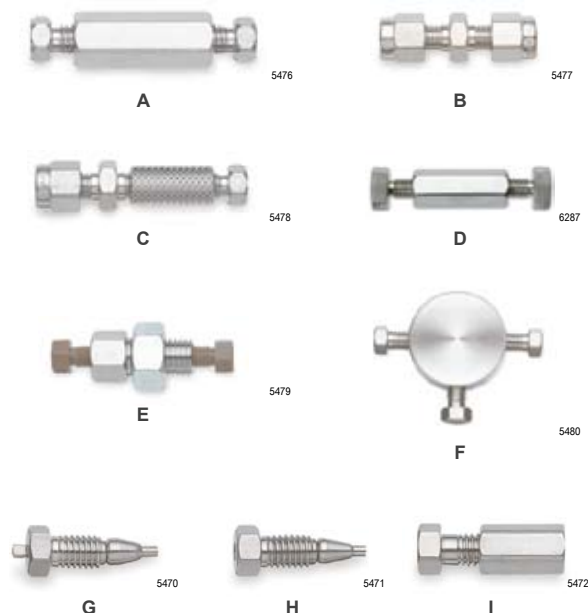


One-Piece Column Couplers		
Port Configuration	Color	Part No.
Female	Black	<b>28191</b>
Waters®	Red	<b>28192</b>
Male	Red	<b>28193</b>
Valco®	Blue	<b>28194</b>

# High-Pressure Adapters, Plugs, and Caps

## Stainless Steel Adapters, Plugs, and Caps

Stainless Steel Adapters, Plugs, and Caps Specifications	
<b>Material:</b>	300 Stainless Steel
<b>Max. Temperature:</b>	500°C
<b>Max. Pressure:</b>	10,000psig with Stainless Steel Ferrules
<b>Thread Type:</b>	10-32 UNF
<b>Typical Use:</b>	1/16" o.d. Tubing



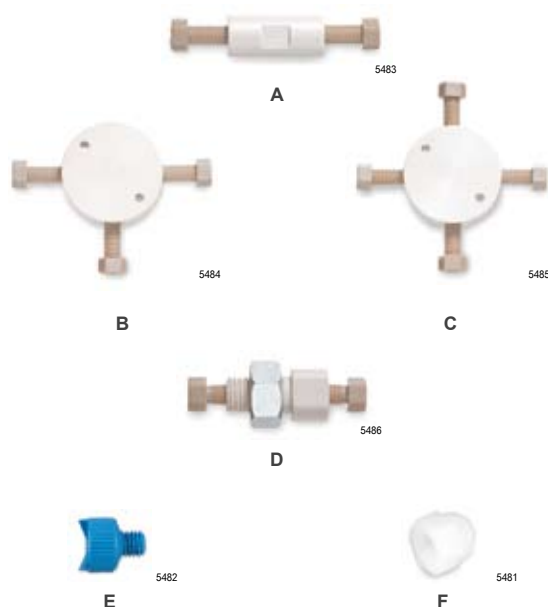
### Stainless Steel Adapters, Plugs, and Caps

Graphic	Description	Bore	Qty.	Part No.
<i>Stainless Steel Adapters</i>				
—	Union, Female	0.003"	ea	<b>77450</b>
A	Union, Female	0.012"	ea	<b>28627</b>
A	Union, Waters	0.012"	ea	<b>97332</b>
B	Union, Male	0.067"	ea	<b>10061</b>
C	Union, Male to Female	0.067"	ea	<b>28609</b>
D	Union, Female, Finger-Tight™	0.013"	ea	<b>32110</b>
E	Bulkhead Union	—	ea	<b>31505</b>
F	Tee	—	ea	<b>28629</b>
<i>Stainless Steel Plugs</i>				
G	Standard (7000psig)	—	ea	<b>30631</b>
H	High-Pressure (10,000psig)	—	ea	<b>30636</b>
<i>Stainless Steel Cap</i>				
I	Standard	—	ea	<b>30606</b>

\*Finger-Tight™ union has PEEK ferrule, maximum pressure 8000psig, maximum temperature 100°C.

## Polymeric Adapters, Plugs, and Caps

Polymeric Adapters, Plugs, and Caps Specifications	
<b>Material:</b>	PEEK, Delrin®, Nylon
<b>Maximum Temperature:</b>	100°C
<b>Maximum Pressure:</b>	8000psig
<b>Thread Type:</b>	10-32 UNF
<b>Typical Use:</b>	1/16" o.d. Tubing



### Polymeric Adapters, Plugs, and Caps

Graphic	Description	Bore	Qty.	Part No.
<i>PEEK Adapters</i>				
A	Union	0.010"	ea	<b>32141</b>
B	Tee	0.010"	ea	<b>32143</b>
C	Cross	0.010"	ea	<b>32145</b>
D	Bulkhead Union	—	ea	<b>31504</b>
<i>Delrin® Plugs</i>				
E	Blue	—	10	<b>8872</b>
E	Black	—	10	<b>18873</b>
E	Red	—	10	<b>18875</b>
<i>Nylon Caps</i>				
F	White	—	10	<b>8870</b>

## technical assistance

Contact Tech Support: Phone: 1.800.255.8324 (North America)  
Email: [contact.alltech@grace.com](mailto:contact.alltech@grace.com)  
Online: [www.discoverysciences.com](http://www.discoverysciences.com)

# High- and Low-Pressure Fittings

## Flange-Free™ Low-Pressure Fittings†

- Convenient ferrule eliminates need for flanging
- Compatible with all 1/4-28 UNF ports

The Flange-Free™ system makes connections to 1/4-28, flat-bottomed ports without flanging tools. Hand-tightened connections produce a leak-free seal to 500psig on 1/8" o.d. PTFE tubing and to 1000psig on 1/16" o.d. PTFE tubing. Hex-head fittings are available for use with harder tubing, such as PEEK, Tefzel®, or metal.

†U.S. Patent #4,690,437.

Flange-Free™ Fitting Specifications	
<b>Material:</b>	Varies, See Price Block
<b>Maximum Temperature:</b>	100°C
<b>Maximum Pressure:</b>	1/8" 500psig 1/16" 1000psig
<b>Thread Type:</b>	1/4-28 UNF
<b>Typical Use:</b>	1/16" or 1/8" o.d. Tubing Connection



### Flange-Free™ Fittings, 10/pk

Graphic	Description	Material	1/16" o.d. Tubing Part No.	1/8" o.d. Tubing Part No.
<i>Finger-Tight™ Nuts</i>				
A	White	Delrin®	201101	201201
A	Black	Delrin®	201122	201211
A	White, Long	Delrin®	201131	201221
A	Black, Long	Delrin®	201141	201231
A	Natural	PEEK	37065	37075
<i>Hex-Head Nuts</i>				
B	Aluminum	Metal	200911	200901
B	Stainless Steel	Metal	200936	200926
<i>Flange-Free™ Ferrules</i>				
C	Ferrules	PEEK	201171	201271
C	0.3mm Bore	Kel-F®	200771	—
C	0.8mm Bore	Kel-F®	200781	—
C	Ferrules	Kel-F®	201152	201251
C	Ferrules	Tefzel®	20240	20242

## Flange-Free™ Plus High-Pressure Fittings

- Seals Finger-Tight™ to 5000psig
- Connects to any standard 1/4-28 port
- Available only for 1/16" tubing



Flange-Free™ Plus Fitting Specifications	
<b>Material:</b>	PEEK and Stainless Steel
<b>Maximum Temperature:</b>	100°C
<b>Maximum Pressure:</b>	5000psig
<b>Thread Type:</b>	1/4-28 UNF
<b>Typical Use:</b>	1/16" o.d. Tubing Connection

### Flange-Free™ Plus Fittings

Description	Qty.	Part No.
Fitting System*	10	25020
<i>Replacement Parts</i>		
Stainless Steel Bushings	10	25022
PEEK Ferrules	10	25021

\*Includes 10 each of fittings, bushings, and ferrules.

## Flanged Tubing Low-Pressure Fittings

- Use with 1/8" or 1/16" flanged tubing
- Easily tighten without a tool

Flanged Tubing Fitting Specifications	
<b>Material:</b>	PEEK with Stainless Steel Washers
<b>Maximum Temperature:</b>	100°C
<b>Maximum Pressure:</b>	Limited by Tubing Strength
<b>Thread Type:</b>	1/4-28 UNF
<b>Typical Use:</b>	Low-Pressure Plumbing



### Flanged Tubing Fittings, 10/pk

Graphic	Description	Material	1/16" Part No.	1/8" Part No.
<i>Flanged Tubing Fittings (washer included)</i>				
A	Natural	PEEK	37165	37175
<i>Replacement Washers</i>				
B	316 SS	SS	20067	20068

## Pre-Flanged PTFE Tubing

- Chemically inert
- Supplied with 1/4-28 nylon fittings flanged in place



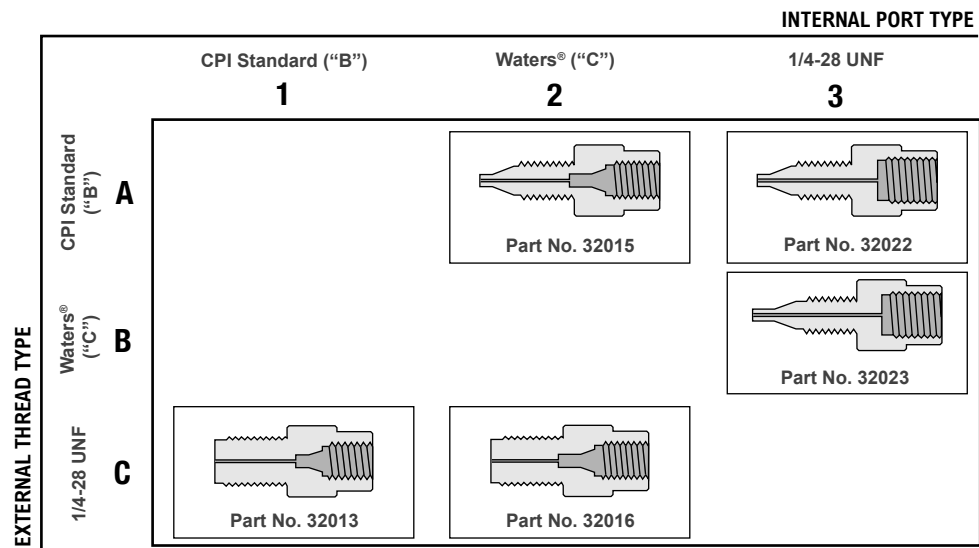
Pre-Flanged PTFE Tubing Specifications	
<b>Material:</b>	PTFE
<b>Maximum Temperature:</b>	100°C
<b>Maximum Pressure:</b>	0.020" i.d., 1200psig 0.030" i.d., 900psig 0.063" i.d., 400psig 0.100" i.d., 300psig
<b>Typical Use:</b>	Low-Pressure Plumbing

### Pre-Flanged PTFE Tubing, ea

Length	o.d.	i.d.	Part No.
5cm	1/16"	0.030"	20013
	1/8"	0.063"	20012
10cm	1/16"	0.030"	20015
	1/8"	0.063"	20014
25cm	1/16"	0.030"	20017
	1/8"	0.063"	20016
50cm	1/16"	0.030"	20027
	1/8"	0.063"	20018
100cm	1/16"	0.030"	20043
	1/8"	0.063"	20020

High- and Low-Pressure Adapters

PEEK Port Adapters



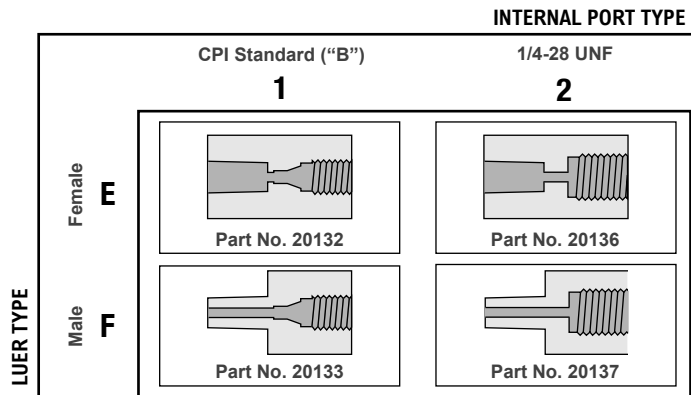
PEEK Port Adapters

Graphic Coordinate	External Thread Type	Internal Port Type	Part No.
A2	CPI Standard	Waters® Style	32015
A3	CPI Standard	1/4-28 UNF	32022
B3	Waters® Style	1/4-28 UNF	32023

PEEK Port Adapters (continued)

Graphic Coordinate	External Thread Type	Internal Port Type	Part No.
C1	1/4-28 UNF	CPI Standard	32013
C2	1/4-28 UNF	Waters® Style	32016

PEEK Luer Adapters



PEEK Luer Adapters

Graphic Coordinate	Luer Type	Internal Port Type	Part No.
E1	Female Luer	10-32 Female	20132
E2	Female Luer	1/4-28 Female	20136

PEEK Luer Adapters (continued)

Graphic Coordinate	Luer Type	Internal Port Type	Part No.
F1	Male Luer	10-32 Female	20133
F2	Male Luer	1/4-28 Female	20137

# Low-Pressure Adapters and Plugs

- Chemically inert
- 1/4-28 threaded ports
- For use with Flange-Free™ or flanged fittings

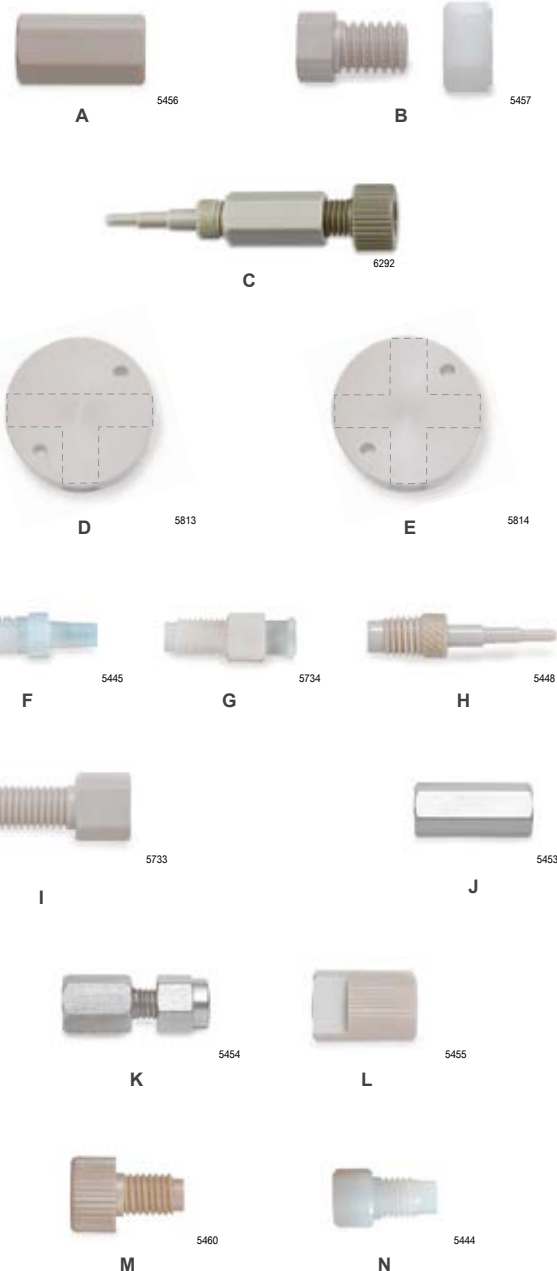
Low-Pressure Adapters and Plugs Specifications	
<b>Material:</b>	Varies, See Price Block
<b>Maximum Temperature:</b>	100°C
<b>Maximum Pressure:</b>	Limited by Fittings
<b>Thread Type:</b>	1/4-28 UNF

## 1/4-28 Low-Pressure Adapters and Plugs

Graphic	Description	Material	Qty.	Part No.
<i>Unions</i>				
<b>A</b>	Union	PEEK	ea	<b>20088</b>
<b>B</b>	Bulkhead Union	PEEK	ea	<b>31506</b>
<b>C</b>	Waters® Pump Tubing Union†	PEEK	ea	<b>590110</b>
<i>Tees</i>				
<b>D</b>	0.8mm Bore Tee	PEEK	ea	<b>20058</b>
<b>D</b>	1.5mm Bore Tee	PEEK	ea	<b>20023</b>
<i>Crosses</i>				
<b>E</b>	0.8mm Bore Cross	PEEK	ea	<b>20059</b>
<b>E</b>	1.5mm Bore Cross	PEEK	ea	<b>20025</b>
<i>Male 1/4-28 Adapters</i>				
<b>F</b>	Male 1/4-28 to Male Luer	Tefzel®	ea	<b>20019</b>
<b>G</b>	Male 1/4-28 to Female Luer	Tefzel®	ea	<b>20055</b>
<b>H</b>	Male 1/4-28 to Slip-Fit*	PEEK	ea	<b>28848</b>
<b>I</b>	Male 1/4-28 to Female 10-32	PEEK	2	<b>32261</b>
<i>Female 1/4-28 Adapters</i>				
<b>J</b>	Female 1/4-28 to Female 10-32	SS	ea	<b>20041</b>
<b>K</b>	Female 1/4-28 to Male 10-32	SS	ea	<b>20057</b>
<b>L</b>	Female 1/4-28 to Female 10-32	PEEK	2	<b>32262</b>
<i>Plugs</i>				
<b>M</b>	Natural	PEEK	10	<b>37185</b>
<b>M</b>	Black	PEEK	10	<b>37187</b>
<b>N</b>	White	Nylon	5	<b>20050</b>
<b>N</b>	White	Kel-F®	5	<b>20089</b>

\*Slip-Fit fits 1/16" to 5/32" i.d. tubing.

†Slip-Fit Waters® pump tubing to left side of union, and connect standard 1/8" or 1/16" o.d. tubing to right side of union.



## Low-Pressure Accessories

### Easy-Flange™ Tool

- Uses mechanical force to form flanges—no electricity or heat required
- Forms perfect flanges on 1/16" to 1/8" o.d. PTFE or thin-walled PEEK tubing
- Completely portable—use it anywhere in your lab

Using mechanical force (no electricity or heat required), Easy-Flange™ forms perfect flanges on any PTFE tubing with an o.d. between 1/16" and 1/8" or thin walled (0.015" maximum wall thickness) PEEK tubing. Simply cut the tubing to the desired length, place a fitting on the tubing, slide the tubing into the Easy-Flange™ body, and form the flange using the flange-rolling tool. The entire operation takes just seconds and produces flanges with superior sealing characteristics compared to flanges formed by conventional heat methods.



5526

#### Easy-Flange™ Tool

Description	Part No.
Easy-Flange™ Flanging Tool*	<b>35900</b>
<i>Replacement Parts</i>	
1.5mm Pin (Polymer)	<b>35905</b>
1.3mm Pin (Polymer)	<b>35906</b>
1.3mm Pin (Titanium)	<b>35910</b>
1.0mm Pin (Polymer)	<b>35909</b>
0.8mm Pin (Polymer)	<b>35907</b>
0.5mm Pin (Titanium)	<b>35908</b>
0.8mm Pin (Titanium)	<b>35920</b>
Clean-Cut™ Tubing Cutter	<b>35902</b>
Replacement Blade (for Part No. <b>35902</b> )	<b>35903</b>

\*Includes: Clean-Cut™ tubing cutter and insert disks 35908, 35907, 35906, 35910, 35920.



5531

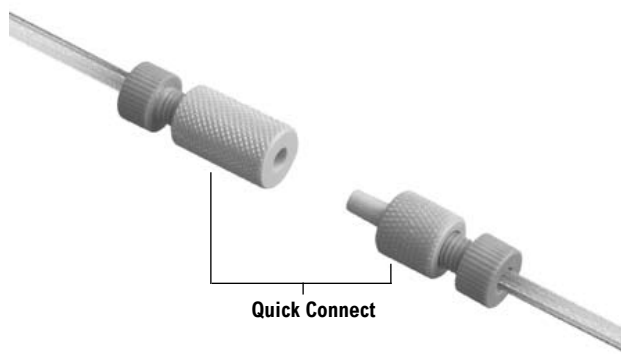
#### related product

Looking for low-pressure tubing?  
See page 387.

### Low-Pressure In-Line Quick Connect

- Make and break 1/16" or 1/8" tubing connections quickly and easily
- Eliminate wear and tear on fittings and ferrules
- Highly inert PEEK construction

The Alltech® Low-Pressure In-Line Quick Connect allows fast, effortless connection of 1/16" or 1/8" tubing where 1/4-28 fittings are used. Made from high quality PEEK, the quick connect withstands repetitive connections and is compatible with a wide range of solvents. The 1/16" quick connect withstands pressures up to 1000psig, and 1/8" quick connect withstands pressures up to 500psig.



6156

#### Suggested Quick Connect Usage:

- Perfect for plumbing low- and medium-pressure LC systems
- Use with any low-pressure switching valve
- Quickly swap mobile phase bottles from LC system or filtration equipment
- Make and break connections to an online degasser

#### Low-Pressure In-Line Quick Connect

Description	Part No.
1/16" Quick Connect	<b>77301</b>
1/8" Quick Connect	<b>77302</b>

#### related product

Looking for low-pressure 1/4-28 fittings?  
See page 117 for Flange-Free™ fittings. See page 117 for flanged fittings.

# Fitting and Accessory Kits

## Basic Start-Up Package

Provides the essential products for HPLC system start-up.  
No frills and no unnecessary cost.



best value

6283

### Basic Start-Up Package

Description	Material	Qty.	Part No.
<b>Basic Start-Up Package</b>	—	1	<b>97817</b>
<i>Replacement Individual Components</i>			
Short Hex-Head Nuts/Ferrules	PEEK	10	<b>35744</b>
Long Hex-Head Nuts/Ferrules	PEEK	10	<b>35735</b>
Short Finger-Tight™ One-Piece*	PEEK	12	<b>32070</b>
1/8" Flange-Free™ Nuts	PEEK	10	<b>37075</b>
1/8" Flange-Free™ Ferrules	Tefzel®	10	<b>20242</b>
1/16" x 0.020" i.d. Tubing	PEEK	10ft	<b>35708</b>
1/16" x 0.007" i.d. Tubing	PEEK	10ft	<b>35712</b>
1/8" x 0.063" i.d. Tubing	TFE	10ft	<b>20063</b>
Plastic Tubing Cutter	—	1	<b>3206</b>
Replacement Blade	—	1	<b>3214</b>
10µm Solvent Inlet Filter	SS	2	<b>28870</b>
20µL Sample Loop	PEEK	1	<b>8609666</b>
Open-End Wrench, 1/4" x 5/16"	—	1	<b>1998</b>
Union	PEEK	1	<b>32141</b>

## Advanced Start-Up Package

Keeps your HPLC consumables stocked for some time with products that maximize system and lab efficiency.



best value

6282

### Advanced Start-Up Package

Description	Material	Qty.	Part No.
<b>Advanced Start-Up Package</b>	—	1	<b>97818</b>
<i>Replacement Individual Components</i>			
Short Hex-Head Nuts/Ferrules	PEEK	10	<b>35744</b>
Long Hex-Head Nuts/Ferrules	PEEK	10	<b>35735</b>
Short Finger-Tight™ No-Slip™ Fitting	PEEK	20	<b>32293</b>
Long Finger-Tight™ No-Slip™ Fitting	PEEK	10	<b>32295</b>
1/8" Flange-Free™ Nuts	PEEK	10	<b>37075</b>
1/8" Flange-Free™ Ferrules	Kel-F®	10	<b>201251</b>
1/16" x 0.020" i.d. Tubing	PEEK	20ft	<b>35708</b>
1/16" x 0.005" i.d. Tubing	PEEK	20ft	<b>35714</b>
1/8" x 0.063" i.d. Tubing	TFE	10ft	<b>20063</b>
Clean-Cut™ Tubing Cutter	—	1	<b>35902</b>
Replacement Blade	—	2	<b>35903</b>
In-Line Filter, 2µm	PAT®	1	<b>68250</b>
Replacement Filter Elements	PAT®	5	<b>68152</b>
20µL Sample Loop	PEEK	1	<b>8609666</b>
100µL Sample Loop	PEEK	1	<b>8609668</b>
Handy-Lok Fitting Wrench	—	1	<b>35751</b>
Open-End Wrench, 1/4" x 5/16"	—	1	<b>1998</b>
Union	PEEK	2	<b>32141</b>

## related products

Accessories for your system. Grace has an assortment of Accessories Quick Reference guides available for many popular instruments.

- Waters® Alliance® System Accessories  
– Request M202

- Agilent 1100 and 1200 System Accessories  
– Request M203

- Waters® Acquity UPLC® System Accessories  
– Request M204

