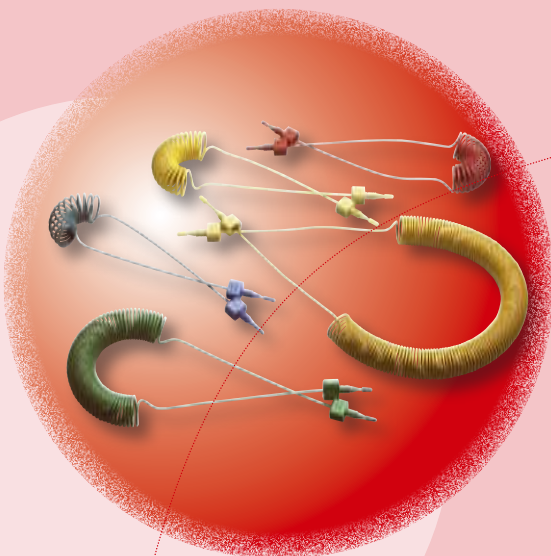
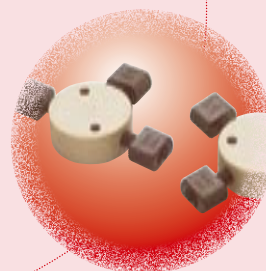
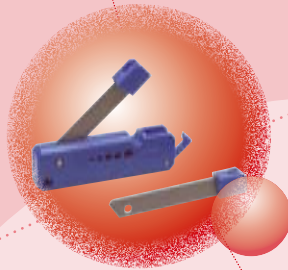


VICI®
ACCESSOIRES HPLC



SPECS

Material

PEEK

Dimensions

OD and ID, see chart

Tolerances

1/16" +/- 0.05 mm (.002")

1/8" +/- 0.10 mm (.004")

Pressure rating

See chart

Special Info

Solid Color Coding

The process used in extruding this type allows the color to permeate through the entire tube – ensures color permanence.

Striped Color Coding

A colored stripe is added to the outside of the tube for easy identification of ID.

Replaces Stainless Steel, Titanium and Tefzel tubing

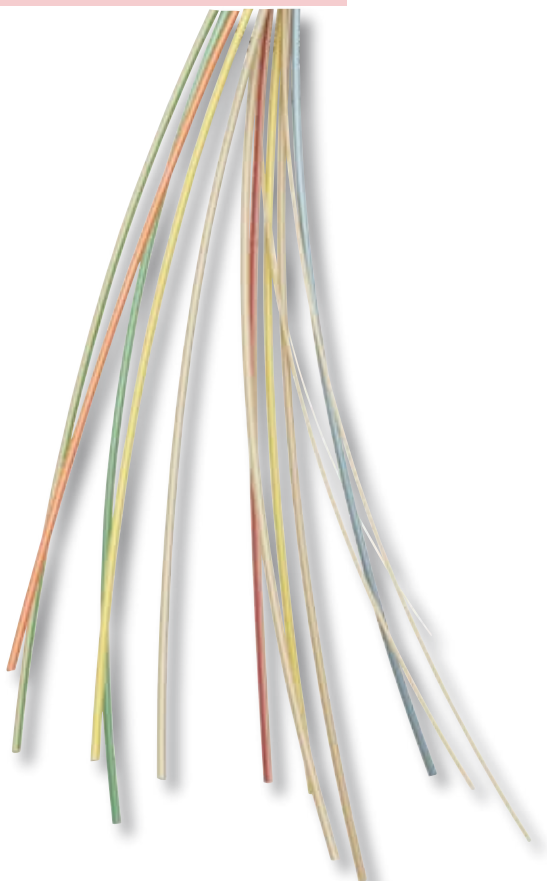
Inert and biocompatible with unique color coding.

PEEK is 10 times less oxygen permeable than Teflon or Tefzel and more temperature resistant.

Melting point is 350° C.

We recommend PEEK fingertights and flangeless fittings for your applications.

Clean-Cut tubing cutter gives you burr-free perpendicular cuts.



TUBES EN PEEK

PEEK tubing has the strength required to withstand continuous use at HPLC pressure without swelling or bursting. The dense polymer structure of VICI Jour PEEK tubing eliminates the permeability to organic solvents that causes other polymer tubing, such as Tefzel to "sweat".

VICI Jour PEEK tubing is color-coded two ways for easy identification. "Solid Color Coded" – dye is added to the tubing when manufactured and is evenly distributed through the entire tube for easy visibility. "Striped Color Coding" – only a colored stripe is added to the OD. Use the "Striped Color Coded" where maximum chemical resistance and biocompatibility are required. Dye never contacts the fluid stream.

Remember PEEK tubing is not affected by halide salts, high strength buffers or other aggressive mobile phases that degrade stainless steel. The polymer surface will not leach metal ions into the eluant or extract metal sensitive components from the sample. By far the most outstanding property is its excellent burst pressure.

PEEK is compatible with almost any of the solvents commonly used in HPLC. Methylene Chloride, THF and DMSO may cause swelling in PEEK. Concentrated nitric and sulphuric acid will attack PEEK. However, PEEK can safely withstand 20–30% nitric acid when passivating a system.

PEEK Tubing – Striped Color Coded

Part No.	OD	ID (mm)	Color	bar*	psi*
5999	1/16"	0.13	Red	420	6100
6000	1/16"	0.18	Yellow	400	5800
6001	1/16"	0.25	Blue	386	5600
6002	1/16"	0.50	Orange	350	4500
6003	1/16"	0.75	Green	240	3500
60031	1/16"	1.00	Grey	165	2400
60032	1/16"	1.40	Black	52	750

PEEK Tubing – Solid Color Coded

Part No.	OD	ID (mm)	Color	bar*	psi*
6007	1/16"	0.13	Red	420	6100
6008	1/16"	0.18	Yellow	400	5800
6009	1/16"	0.25	Blue	386	5600
6010	1/16"	0.50	Orange	350	4500
6011	1/16"	0.75	Green	240	3500

PEEK Tubing – Natural

Part No.	OD	ID (mm)	Color	bar*	psi*
6060	0.36 mm	0.075	Natural	359	5200
5992	1/32"	0.064	Natural	338	4900
5993	1/32"	0.13	Natural	310	4500
5994	1/32"	0.18	Natural	283	4100
5995	1/32"	0.25	Natural	310	4500
5998	1/16"	0.064	Natural	435	6300
5997	2.10 mm	0.75	Natural	293	4250
6004	1/8"	1.59	Natural	224	3250
60041	1/8"	0.75	Natural	345	5000
60042	1/8"	2.00	Natural	165	2400
6006	1/4"	3.17	Natural	227	3300
6012	1.80 mm	0.25	Natural	393	5700
6013	1.80 mm	0.50	Natural	331	4800
6014	1.80 mm	0.75	Natural	210	3050

* = Recommended maximum permanent working pressure

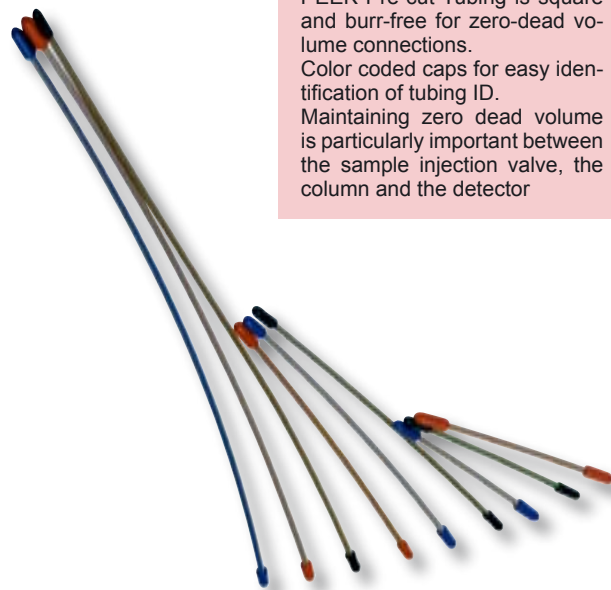
TUBES EN PEEK PRÉDÉCOUPÉS

We manufacture PEEK pre-cut tubing from striped color coded PEEK tubing. We build these kits in a variety of versions. We can also pack to your specification.

Part No.	Description	bar*	psi*
98013	Tubing, PEEK, pre-cut kit 1/16" x 0.13 mm (Red)**	420	6100
98017	Tubing, PEEK, pre-cut kit 1/16" x 0.17 mm (Yellow)**	400	5800
98025	Tubing, PEEK, pre-cut kit 1/16" x 0.25 mm (Blue)**	386	5600
98050	Tubing, PEEK, pre-cut kit 1/16" x 0.50 mm (Orange)**	358	4500
98075	Tubing, PEEK, pre-cut kit 1/16" x 0.75 mm (Green)**	240	3500
98200	Super Kit, one of each above Part No.		

* = Recommended maximum permanent working pressure

**Each P/N contains 5 pcs of each of the following lengths: 50–100–200 mm. Material is striped color coded PEEK capillaries.



SPECS

Material
PEEK

Dimensions
OD 1/16" ID, see chart

Tolerances
+/- 0.05 mm (.002")

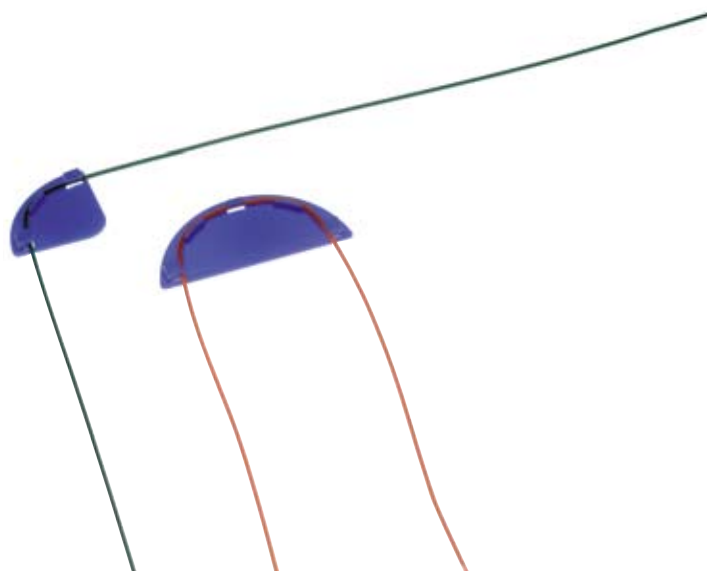
Pressure rating
See chart

Special Info
PEEK Pre-cut Tubing is square and burr-free for zero-dead volume connections. Color coded caps for easy identification of tubing ID. Maintaining zero dead volume is particularly important between the sample injection valve, the column and the detector

COUDES POUR TUBES EN PEEK

VICI Jour T ubing Elbows (90° and 180°) are ideal for routing 1/16" PEEK tubing through your system. Simply snap the tubing into the elbow. These elbows are proportioned to bend PEEK tubing at the optimum radius for maximum chemical resistance and burst pressure.

Part No.	Description
357090	Tubing Elbow 90°
357180	Tubing Elbow 180°



SPECS

Material
Polypropylene

Dimensions
For OD 1/16" PEEK Tubing

SPECS

Material
PEEK

Dimensions
OD 1/16», ID see chart

Tolerances
+/- 0.05 mm (.002»)

Pressure rating
< 420 bar (< 6100 psi)

Special Info

Solid Color Coding

The process used in extruding this type allows the color to permeate through the entire tube – ensures color permanence.

Striped Color Coding

A colored stripe is added to the outside of the tube for easy identification of ID.

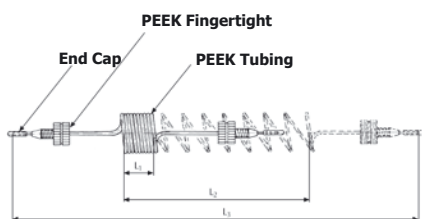
TUBE PEEK TYPE RESSORT

The VICI Jour PEEK "Telephone Cable" is a self-adjusting 1/16» OD tubing. This tubing is extremely flexible, and expands, contracts and consequently gives you the freedom to move your instrument components without breaking any connections. Each end of the cord has a 150 mm (6») straight tubing for connections. We offer two types of PEEK Telephone Cables made of solid and striped color coded PEEK Tubing.

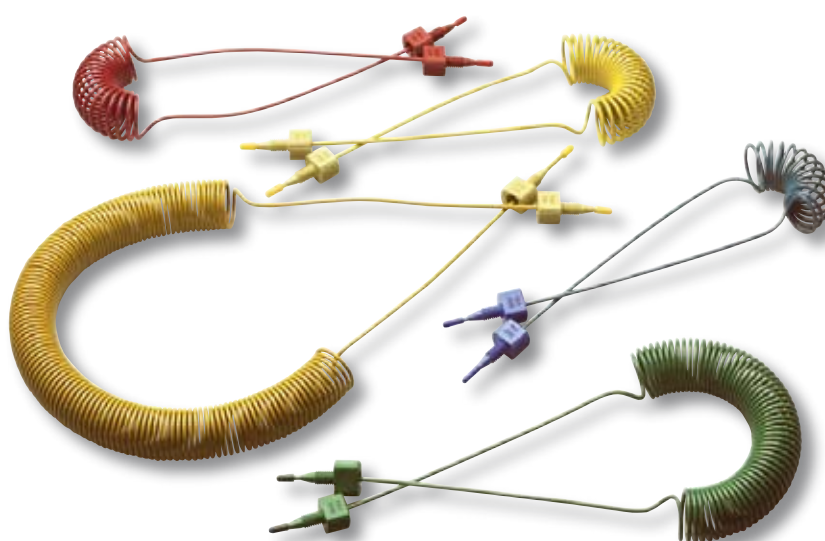
Tube PEEK type Ressort

		Tubing ID:	0.13 mm (.005")	0.17 mm (.007")	0.25 mm (.010")	0.50 mm (.020")	0.75 mm (.030")			
Pressure Rating:		bar*	420	400	386	350	240			
		psi*	(6100)	(5800)	(5600)	(4500)	(3500)			
Color:			Red	Yellow	Blue	Orange	Green			
Size Range in mm		L1	L2	L3	Tubing length in mm	Part No.	Part No.	Part No.	Part No.	Part No.
Solid-Color-Coded										
10	30	330			710	45802	45812	45822	45832	45842
20	120	420			945	45803	45813	45823	45833	45843
35	200	500			1225	45804	45814	45824	45834	45844
50	300	600			1585	45805	45815	45825	45835	45845
100	400	700			2060	45806	45816	45826	45836	45846
150	600	900			3150	45807	45817	45827	45837	45847
170	800	1100			4710	45808	45818	45828	45838	45848
225	1100	1400			6100	45809	45819	45829	45839	45849
250	1300	1600			6930	45810	45820	45830	45840	45850
Striped-Color-Coded										
10	30	330			710	45852	45862	45872	45882	45892
20	120	420			945	45853	45863	45873	45883	45893
35	200	500			1225	45854	45864	45874	45884	45894
50	300	600			1585	45855	45865	45875	45885	45895
100	400	700			2060	45856	45866	45876	45886	45896
150	600	900			3150	45857	45867	45877	45887	45897
170	800	1100			4710	45858	45868	45878	45888	45898
225	1100	1400			6100	45859	45869	45879	45889	45899
250	1300	1600			6930	45860	45870	45880	45890	45900

* = Recommended maximum permanent working pressure



L1 – L2 – L3 = Length in mm.
L1 = the PEEK coil only in a resting position.
L2 = the PEEK coil only in a fully extended position.
L3 = the complete PEEK Telephone Cable fully extended.



TEFLON & TEFLON-LIKE TUBING

PTFE Tubing

PTFE tubing (PolyTetraFluorEthylene) is chemically inert and suitable for lower pressure applications. Typically 1/16» OD tubing holds up to 62 bar (900 psi) and 1/8» up to 35 bar (500 psi).

We recommend our PTFE tubing for use at elevated temperature of maximum 80° C. We can also supply our PTFE tubing color coded to make it easier to identify the ID and to differentiate between the streams. Our unique process when adding color is your guarantee that there is no leaching – color permanence is ensured.

Teflon PTFE Tubing – Natural

Part No.	OD	ID (mm)	bar*	psi*
6805	1/16"	0.18	62	900
4011	1/16"	0.25	55	800
4183	1/16"	0.50	50	700
4036	1/16"	0.75	37	550
6807	1/16"	1.00	25	350
6800	1/8"	1.59	35	500
4037	1/8"	2.40	18	250
6801	2.00 mm	1.70	10	150
4041	4.76 mm	3.76	14	200
6810	1/4"	4.75	17	250
4039	4.00 mm	3.00	17	250
4050	8.00 mm	6.00	18	250

Black PTFE Tubing

Teflon is translucent and for certain light sensitive applications we recommend to use black PTFE tubing. So far we recommend it for:

- Light sensitive enzymatic reactions
- Luminescent reactions
- Connections for the flow-cell
- Radioactive HPLC

PFA Tubing

PFA tubing (PerFluorAlkoxy) has excellent chemical stability and mechanical strength. Always use PFA instead of PTFE if gas permeability is the issue. 1/16» OD high purity tubing has a maximum pressure rating of up to 100 bar (1450 psi), while 1/8» OD maximum 72 bar (1050 psi).

FEP Tubing

FEP (FluorinatedEthylenePropylene) is chemically inert to most HPLC solvents and is recommended for low pressure applications. Typically 1/16» OD holds up to 117 bar (1700 psi) and 1/8» holds up to 70 bar (1000 psi). We recommend FEP for ion chromatography applications.

Our standard FEP tubing is extruded to an ID and OD tolerance of ± 0.05 mm (.002») and the 1/8» to a ID and OD tolerance of ± 0.10 mm (.004»). We do not recommend using FEP tubing above 80° C.

Material
PTFE, PFA, FEP

Dimensions
See chart

Tolerances
1/16» +/- 0.05 mm (.002»)
1/8» +/- 0.10 mm (.004»)

Pressure rating
See chart

Special Info
Low pressure applications:
Check carefully for gas permeability.



Teflon PTFE Tubing – Solid Color Coded

Part No.	OD	ID (mm)	Color	bar*	psi*
4011c	1/16"	0.25	Blue	55	800
4183c	1/16"	0.50	Orange	50	700
4036c	1/16"	0.75	Green	38	550
6808	1/16"	0.25	Black	55	800
6811	1/16"	0.50	Black	50	700

PFA Tubing

Part No.	OD	ID (mm)	bar*	psi*
4001	1/16"	0.50	100	1450
4002	1/16"	0.75	76	1100
xxxx	1/16"	1.00	xx	xx00
4003	1/8"	1.59	72	1050

FEP Tubing

Part No.	OD	ID (mm)	bar*	psi*
6812	1/16"	0.25	117	1700
6802	1/16"	0.50	96	1400
6803	1/16"	0.75	76	1100
6806	1/16"	1.00	52	750
6804	1/8"	1.59	69	1000
6809	1/4"	4.35	45	650

* = Recommended maximum permanent working pressure

SPECS

Material

PTFE

Dimensions

OD 1/16», ID see chart

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

< 55 bar (< 800 psi)

Special Info

Low pressure applications:

Check carefully for gas permeability.

Knitted PTFE Reaction coils

ID 0.25 mm	ID 0.50 mm	ID 0.75 mm	Tubing length in meter
3000-123	3000-125	3000-128	1 m
3000-223	3000-225	3000-228	2 m
3000-423	3000-425	3000-428	4 m
3000-133	3000-135	3000-138	10 m
3000-233	3000-235	3000-238	20 m

KNITTED PTFE REACTION COILS

Knitted PTFE reaction coils are used for providing a delay and radial mixing in analytical flow paths. By providing a tortuous flow path, the liquid stream is forced to take alternate directions within the tubing and the moving centre part of the flow is forced to mix with the slower moving boundary layers closer to the wall.

Vigorous radial mixing prevents radial dispersion. Knitted reaction coils are highly efficient in providing delay lines (= reaction volumes) without causing band broadening.

We offer knitted PTFE reaction coils not only in natural translucent PTFE, but also in black PTFE with 0.25 and 0.50 mm ID.



SPECS

Material

ETFE

Dimensions

OD + ID, see chart

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

< 200 bar (< 2900 psi)

Special Info

Tefzel ETFE Tubing

Part No.	OD	ID (mm)	bar*	psi*
084	1/32"	0.25	152	2200
078	1/16"	0.17	200	2900
080	1/16"	0.25	186	2700
082	1/16"	0.50	152	2200
083	1/16"	0.75	117	1700
085	1/16"	1.00	83	1200
086	1/8"	1.59	110	1600
087	3.00 mm	1.00	145	2100
088	6.00 mm	4.00	76	1100

*= Recommended maximum permanent working pressure

TEFZEL ETFE TUBING

Tefzel (ETFE) tubing has some outstanding properties which makes it particularly suitable for HPLC since it has a higher burst pressure when compared to Teflon. The most common dimension is 1/16» x 0.25 mm which will withstand up to 186 bar (2700 psi) using water as mobile phase.

It is important, however, to note that when using Tefzel with organic solvents it may swell and we recommend a max. pressure of 70 bar (1000 psi) using organic solvents.

Tefzel is the ideal polymer with regard to interaction with chloride salts, which typically corrode stainless steel but not Tefzel.



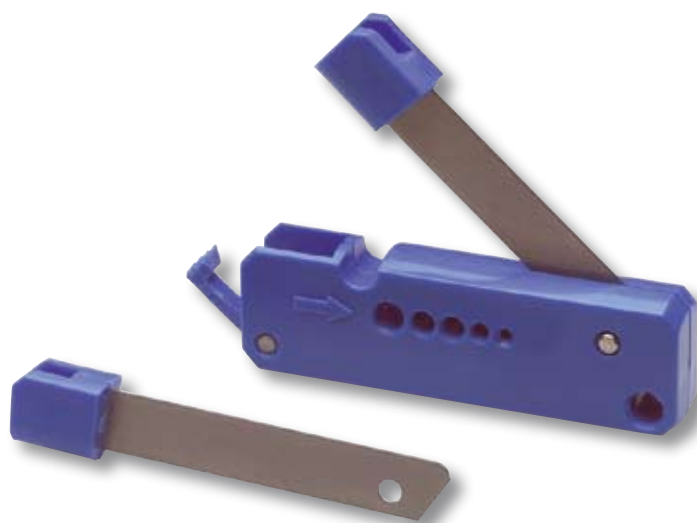
CLEAN-CUT POLYMER TUBING CUTTER

It is difficult to obtain burr-free perpendicular cuts on polymeric tubing. The Clean-Cut is a tool for the most demanding LC applications which will do the job without distorting the outside diameter and or closing the inside diameter of the tubing.

It is designed to cut PTFE, ETFE and polymers in general and PEEK capillary tubing in particular. The compact design allows every chromatographer to have it in his pocket. A unique safety locking mechanism secures the blade when not in use. Right angles and clean cuts are essential in LC to avoid leaks.

Clean-Cut Polymer Tubing Cutter

Part No.	Description
797	Tool, Clean-Cut Tubing Cutter
798	Tool, replacement blade for 797



SPECS

Special Info

Cuts peek, Teflon, Tefzel and other polymeric tubing Won't distort the OD or close the ID of the tubing Safety lock secures the blade when not in use

GUILLOTINE POLYMER TUBING CUTTER

We can recommend this cutter for cutting Teflon, Tefzel and other polymeric tubing including PEEK tubing.

Guillotine Polymer Tubing Cutter

Part No.	Description
794	Tool, Guillotine Cutter for polymer tubing
795	Tool, replacement blade for 794



SPECS

Material

Polypropylene and Stainless Steel spring

Dimensions

For OD 1/16» and 1/8» tubing

Special Info

Clip fitted with a ss spring suitable for glassware up to 4 mm thick.

Tubing Clip

Part No.	Description
9001	Tubing Clip

TUBING CLIP – THE LC TUBING ORGANIZER

Here is a convenient small device for the busy chromatographer. The Tubing Clip, which holds both your 1/16» and 1/8» polymer tubings precisely where they should be in your beakers, flasks and bottles etc. up to 4 mm thick. The stainless steel spring keeps your Tubing Clip working for a long period of time and helps you keep your solvent line in the solvent.



SPECS

Material

SS316, DIN1.4401

Dimensions

From OD 1/32» to 8 mm

Tolerances

ID and OD +/- 0.05 mm (.002»)

Pressure rating

> 350 bar (> 5000 psi)

Special Info

Smooth internal surfaces for optimum flow of gas and liquids.

Bright annealed OD is ideal for nut and ferrule connections.

Stainless Steel Tubing in Bulk Quantities

Part No.	OD	ID (mm)
625-00	1/32"	0.18
625-04	1/16"	0.13
625-05	1/16"	0.18
625-10	1/16"	0.25
625-20	1/16"	0.50
625-30	1/16"	0.75
625-40	1/16"	1.00
626-00	1/8"	2.10
628-00	1/4"	4.65
630-00	8.00 mm	2.00

STAINLESS STEEL TUBING (CHROMATOGRAPHY GRADE)

VICI Jour bulk stainless steel tubing is usually supplied in coils. Impurities, such as oil, dirt and other contaminants that may interfere with your analysis are removed.



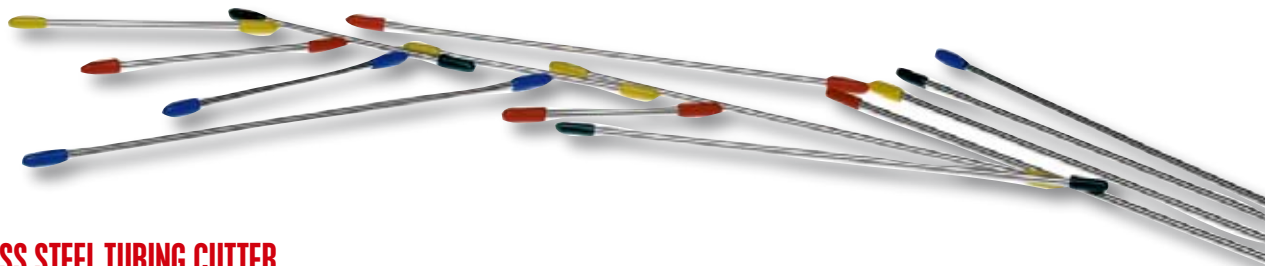
PRE-CUT STAINLESS STEEL TUBING

VICI Jour offers pre-cut stainless steel tubing in lengths most commonly required in HPLC systems. These tubes are cut to square, burr-free ends for zerodead volume connections.

Each tube is then passivated in 30% nitric acid and cleaned (in ultrasonic bath) in methanol. Each tube is fitted with color-coded caps which prevent contamination and indicate the ID of the tube.

Pre-cut Stainless Steel Tubing

Part No.	OD (Inches)	ID (mm)	Color	Length (mm)	Part No.	OD (Inches)	ID (mm)	Color	Length (mm)
97000	1/16"	0.13	Red	40	97075	1/16"	0.50	Orange	50
97005	1/16"	0.13	Red	50	97080	1/16"	0.50	Orange	100
97010	1/16"	0.13	Red	100	97085	1/16"	0.50	Orange	200
97015	1/16"	0.13	Red	200	97090	1/16"	0.50	Orange	300
97020	1/16"	0.13	Red	300	97095	1/16"	0.75	Green	50
97025	1/16"	0.18	Yellow	50	97100	1/16"	0.75	Green	100
97030	1/16"	0.18	Yellow	100	97105	1/16"	0.75	Green	200
97035	1/16"	0.18	Yellow	200	97110	1/16"	0.75	Green	300
97040	1/16"	0.18	Yellow	300					
97045	1/16"	0.25	Blue	50					
97055	1/16"	0.25	Blue	100					
97060	1/16"	0.25	Blue	200					
97065	1/16"	0.25	Blue	300					



STAINLESS STEEL TUBING CUTTER

This is the ideal tool for cutting 1/16» and 1/8» stainless steel tubing, leaving smooth, uniform cuts with a minimum of deburring and/or reaming. The easily replaced cutting wheel scores tubing. The following cut allows tube-to-tube and tube-to-frit zero dead volume connections.

Stainless Steel Tubing Cutter

Part No.	Description
792	Tool, Tubing Cutter for metal tubing
793	Tool, replacement cutter wheel for 792



STAINLESS STEEL TUBING PLIERS

Another ideal tool for cutting 1/16» stainless steel tubing, leaving smooth cuts. Cutting 1/16» tubing is difficult without distorting the outside diameter and closing the inside diameter. Here is a tool built for this tough job. Here is a cutter which reaches "hard-to-get" places in a HPLC system enabling you to easily cut or modify your SS tubing. Tubing pliers are delivered in a plastic bag.

Stainless Steel Tubing Pliers

Part No.	Description
796	Tool, Tubing Plier for metal tubing



SPECS

Material

SS316, DIN1.4401

Dimensions

OD 1/16», ID see chart

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

> 350 bar (> 5000 psi)

Special Info

Not recommended for use with halides. High pressure resistance, low permeability.

SPECS

Material

PEEK

Dimensions

For OD 1/16" Tubing

Thread size

10-32

Tolerances

ID +/- 0.05 mm (.002")

Pressure rating

< 350 bar (< 5000 psi)

Special Info

Fingertight Fittings – works with all 1/16" OD tubing and female 10–32 ports.

Color Coded – six colors to identify tubing lines.

Biocompatible.

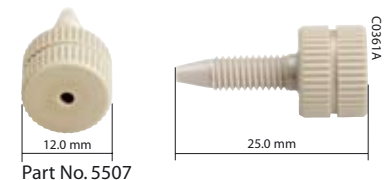
Non-extractable dye – will not interfere with your analysis (consult chemical compatibility table)

**PEEK COLOR CODED
& NATURAL ONE-PIECE FINGERTIGHT FITTINGS**

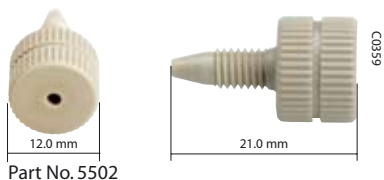
You have now 6 colors to identify your various tubing lines – our PEEK capillaries have the same color coding. Our fingertights are rated to 350 bar (5000 psi) and you can use them in virtually any type of HPLC fitting detail on the market with 10-32 thread.



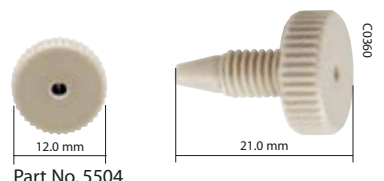
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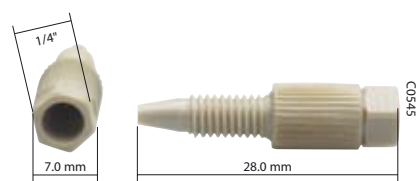
Part No. 5507



Part No. 5502



Part No. 5504



Part No. 5508

**PEEK Color Coded One-Piece Fingertight Fittings
Molded Version**

Part No.	Description
55020-1	Fitting, PEEK, one-piece natural, 10–32
55021-1	Fitting, PEEK, one-piece black, 10–32
55022-1	Fitting, PEEK, one-piece red, 10–32
55023-1	Fitting, PEEK, one-piece yellow, 10–32
55024-1	Fitting, PEEK, one-piece blue, 10–32
55025-1	Fitting, PEEK, one-piece green, 10–32

**PEEK Natural One-Piece Fingertight Fittings
Machined Version**

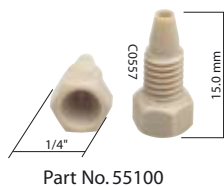
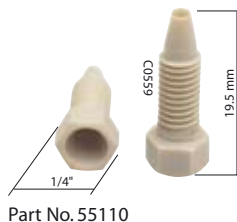
Part No.	Description
5502	Fitting, PEEK, one-piece machined, natural, 10–32
5504	Fitting, PEEK, one-piece fingertight short head, natural, 10–32
5507	Fitting, PEEK, one-piece fingertight long, natural, 10–32
5508	Fitting, PEEK, one-piece fingertight narrow hex-head, natural, 10–32

PEEK ONE-PIECE HEX-HEAD NUT

Imagine, connect a loop to a valve without losing the ferrule(s). Our PEEK one-piece hex-head nuts are convenient and easy to use with our Rheotool and the Colour-It Color-Coded Fingertight Adapters. The 10-32 thread will fit virtually all standard high-pressure female connections. Connections with the reusable PEEK one-piece hex-head will withstand pressures of up to 350 bar (5000 psi). PEEK one-piece hex-head are available both in a short and long version.

PEEK One-Piece Hex-Head Nut

Part No.	Description
55100	Fitting, PEEK, one-piece hex-head long, 10-32
55110	Fitting, PEEK, one-piece hex-head short, 10-32

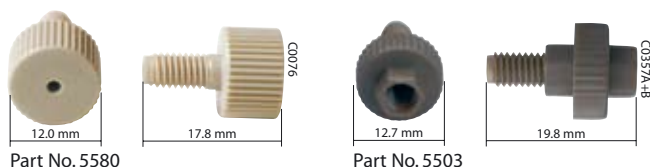
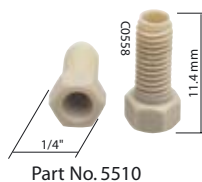


PEEK FITTINGS FOR USE WITH DOUBLE FERRULE

We offer both fingertight and hex-head nuts for use with VICI Jour Double Ferrules. The fingertight version may be hand-tightened for operation at up to 420 bar (6000 psi). Use the hex-head version for connections that are difficult to reach or closely spaced. These fittings fit virtually any female 1/16" fitting.

PEEK Fittings with Double Ferrule

Part No.	Description
5511	Nut, PEEK, hex-head short, 10-32
5510	Nut, PEEK, hex-head long, 10-32
5580	PEEK Handtight Fitting
5503	Nut, PEEK, universal fingertight, 10-32
5004	Ferrule, PEEK, double 1/16"

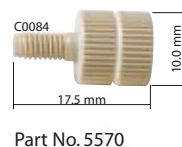


PEEK FITTINGS WITH SINGLE FERRULE

Fingertight nuts have a knurled surface designed to provide sufficient sealing force on the ferrule without wrenches. Hex style nuts allow wrench tightening; however, since they are polymeric, they can break and are recommended for use only when space is limited and fingers won't fit.

Two-Piece Fingertight Fitting

Part No.	Description
ZN.5FPK	PEEK Two Piece Fingertight Nut 1/32"
ZF.5PK	PEEK Ferrule 1/32"
5570	PEEK Two-Piece Fingertight Nut 1/16"
5003	PEEK Single Ferrule 1/16"
ZN2PK	PEEK Hex-Head Fitting 1/8"
ZF2PK	PEEK Ferrule 1/8"



SPECS

Material
PEEK
Dimensions
For OD 1/16" Tubing
Thread size
10-32
Tolerances
+/- 0.05 mm (.002")
Pressure rating
< 350 bar (< 5000 psi)

SPECS

Material
PEEK
Dimensions
For OD 1/16" Tubing
Tolerances
+/- 0.05 mm (.002")
Pressure rating
< 420 bar (< 6000 psi)
Special Info
Double-Ferrule grips Tubing twice.
Works with all 1/16" OD Tubing.
Fits any 10-32 Fitting.
Fits all Female compression Fittings Ideal for use with PEEK Tubing

SPECS

Material
PEEK
Dimensions
For OD 1/32", 1/16", 1/8" Tubing
Tolerances
ID +/- 0.05 mm (.002")
Pressure rating
< 280 bar (< 4000 psi)
Special Info
Reusable Nut, Replaceable Ferrule

SPECS

Material
Polypropylene
Dimensions
For 1/4» Hex-head nuts
Tolerances
+/- 0.05 mm (.002»)

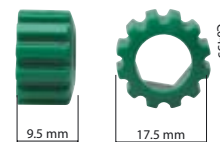


COLOR-IT FINGERTIGHT ADAPTERS

We recommend the Color-It Snap-On fingertight extension for color-coding our 1/4» hex-head nuts. Color-It is useful to color code different solvent lines and it turns your hex-head nuts into a fingertight fitting in an instant. Color-It knobs are available in six different colors (blue, yellow, green, black, white and red). They can be used in connection with our PEEK hex-head nuts (P/N 5510, 5511), with PEEK one-piece fingertight narrow hex-head (P/N 5508), with PEEK one-piece hex-head nuts (P/N 55100, 55110) as well as for our SS hex-head nuts (P/N ZN1, LZN1, MZN1, 56, 57, 58).

Color-It Fingertight Adapters

Part No.	Description
55010	Color-It blue (pkg./10 pcs)
55011	Color-It yellow (pkg./10 pcs)
55012	Color-It green (pkg./10 pcs)
55013	Color-It black (pkg./10 pcs)
55014	Color-It white (pkg./10 pcs)
55015	Color-It red (pkg./10 pcs)
55016	Color-It multi-color 5 pcs. each color (pkg./30 pcs)

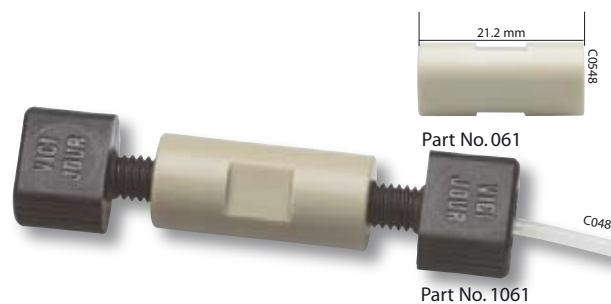


SPECS

Material
PEEK
Dimensions
For OD 1/32», 1/16» Tubing
Tolerances
ID +/- 0.05 mm (.002»)
Pressure rating
< 350 bar (< 5000 psi)
Special Info
Connects any 1/16» or 1/32» Tubing
Can be used with 10-32 fittings
Low Dead Volume
Available with or without Fingertight Fittings

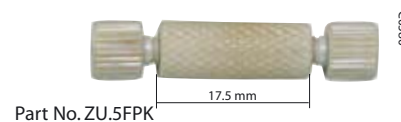
PEEK UNIONS

Our PEEK unions allow you to connect two pieces of 1/16» or 1/8» tubing quickly and reliably. We can offer three different thru-holes of minimum length for the lowest possible dead volume. Since the material is PEEK the unions are completely inert and biocompatible.



PEEK Unions

Part No.	Description
061	Union, PEEK, HP body only, 10-32
1061	Union, PEEK, HP complete with fitting 1/16", 10-32, thru-hole 0.30 mm (.012") with 2 pcs 10-32 One-piece Fingertight Fittings P/N 55021-1
ZU.5FPK	Union, PEEK, HP complete with 2 pcs nut and ferrule 1/32", thru-hole 0.25 mm
ZRU1.5FPK	Union, PEEK, HP reducing complete with 1 pc each nut and ferrule 1/16" and 1/32", thru-hole 0.25 mm
ZRU21FPK	Union, PEEK, HP reducing complete with 1 pc each nut and ferrule 1/18" and 1/16", thru-hole 0.75 mm



PEEK TEES & CROSSES HIGH PRESSURE

Use VICI Jour PEEK tees and crosses with most common HPLC solvents (organic and inorganic) without risking corrosion, metal contamination, or protein degradation that might occur with stainless steel.

Small diameter thru-holes (only 0.4 mm) are used to insure low-dead volume connections. Make connections to these PEEK Tees and crosses using any 10-32 fitting that uses polymeric ferrules. We offer tees and crosses supplied complete with our PEEK One-Piece Fingertight Fittings (P/N 55021-1) ready to connect to any 1/16" OD tubing (PEEK, stainless steel, PTFE, ETFE, etc.).

PEEK Tees & Crosses High Pressure

Part No.	Description
1030	Tee, PEEK, HP complete with fittings 1/16", 10-32
1040	Cross, PEEK, HP w/ fittings 1/16", 10-32
2030	Tee, PEEK, HP body only, 10-32
2040	Cross, PEEK, HP body only 1/16", 10-32
55021-1	Fitting, PEEK, one-piece black, 10-32



SPECS

Material
PEEK

Dimensions
OD of the Tee and Cross body only = 25.0 mm
Thickness = 12.0 mm
For OD 1/16" Tubing

Tolerances
+/- 0.05 mm (.002")

Pressure rating
< 350 bar (< 5000 psi)

Special info
100% PEEK Construction for Inertness and Biocompatibility
Available with or without Fingertight Fittings
Thru-Hole = 0.30 mm

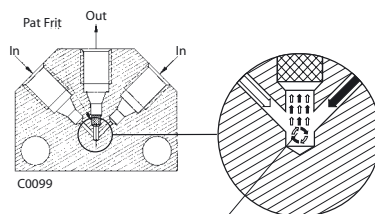
PEEK BIOCOMPATIBLE MIXING TEE

A unique mixing is the result of the turbulence generated by the introduction angle of the solvents as well as the flow through our PAT filter element – the two solvent streams mix more thoroughly than with a conventional tee.

Use our Biocompatible Tee not only for your high-pressure gradient mixing but also for your post column reactions.

Mixing Tee

Part No.	Description
9000-0665	Tee, PEEK, mixing, complete



The two solvent streams are perfectly mixed in the vortex mixing chamber

SPECS

Material
PEEK

Dimensions
Width of the Tee and Cross body only = 25.4 mm
Thickness = 9.5 mm
For OD 1/16" Tubing

Tolerances
+/- 0.05 mm (.002")

Pressure rating
< 350 bar (< 5000 psi)

Special info
Metal-free for analytical gradient HPLC
Built-in protein friendly PAT filter (PEEK Alloyed with Teflon)
Porosity 5 µm
Internal volume incl. frit = 4 µL
Comes complete with 3 PEEK Fingertight fittings (Part No. 55021-1)

SPECS

Material

PEEK

Dimensions

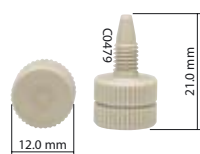
For 1/16", 1/8" and M6 Fitting details

Tolerances

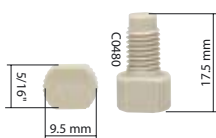
+/- 0.05 mm (.002")

Pressure rating

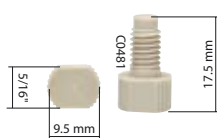
< 350 bar (< 5000 psi)



Part No. 408



Part No. 409



Part No. 410

PEEK PLUGS

Often an extra port on a valve needs to be plugged or a piece of tubing needs to be capped. Here are three sturdy solid PEEK plugs. Thread sizes 1/4"-28, 10-32 and M6.

Easy-Flange

Part No.	Description
408	Plug, PEEK, 10-32
409	Plug, PEEK, 1/4"-28
410	Plug, PEEK, M6

SPECS

Special Info

Replace Stainless Steel tubing and connectors with PEEK parts.

PEEK STARTER KIT

For a number of interesting LC applications involving proteins, peptides, nucleic acids or other samples of biological origin metal systems may interact with samples or release transition metals that will deactivate columns.

By replacing stainless steel parts, such as tubing, fittings, ferrules, mobile phase filters, in-line filters etc. you are creating a biocompatible and metal-free environment for your samples and mobile phase.

The PEEK Starter Kit is a collection of items, which is a good start for everybody working in the field of biochromatography.

PEEK Starter Kit

Part No.	Description	
35	Kit, PEEK Starter consists of following items:	
E1	Plastic Box	1 pc
55020-1	Fitting, PEEK, one-piece natural, 10-32	6 pcs
5580	PEEK Handtight Fitting	4 pcs
5510	Nut, PEEK, hex-head long, 10-32	4 pcs
5004	Ferrule, PEEK, double 1/16"	20
	pcs	
061	Union, PEEK, HP body only, 10-32	1 pc
357090	Tubing Elbow 90°	2 pcs
357180	Tubing Elbow 180°	2 pcs
68250	Filter, PEEK, In-Line, incl. PAT frit 5µm	1 pc
797	Tool, Clean-Cut Tubing Cutter	1 pc
9000-0521	Filter, PTFE, Last Drop 5 µm	1 pc
6001	Tubing, PEEK, 1/16" x 0.25 mm ID, bl. stripe	3 m
6002	Tubing, PEEK, 1/16" x 0.50 mm ID, or. stripe	3 m



CHROMBOX

ChromBox

Part No.	Description	
34	Kit, Chrombox consists of following items:	
35L	Plastic Box	1 pc
55020-1	Fitting, PEEK, one-piece natural, 10-32	6 pcs
5580	PEEK Handtight Fitting	4 pcs
5510	Nut, PEEK, hex-head long, 10-32	4 pcs
5004	Ferrule, PEEK, double 1/16"	10 pcs
061	Union, PEEK, HP body only, 10-32	1 pc
357090	Tubing Elbow 90°	1 pc
357180	Tubing Elbow 180°	1 pc
68250	Filter, PEEK, In-Line, incl. PAT frit 5µm	1 pc
797	Tool, Clean-Cut Tubing Cutter	1 pc
9000-0530	Filter, SS, Last Drop 2 µm	1 pc
6001	Tubing, PEEK, 1/16" x 0.25 mm ID, bl. stripe 3 m	



SPECS

Special Info

For start-up and standard use in all HPLC-systems
The ChromBox is an allpurpose analytical spare part kit for all our customers using HPLC. It contains the most often used spare parts made both of high quality SS 316L as well as PEEK and Teflon.

PREP STARTER KIT

Prep Starter Kit

Part No.	Description	
35 PREP	Kit, preparative starter consists of following items:	
35L	Plastic Box	1 pc
796	Tool, Tubing Plier for metal tubing	1 pc
9001	Tubing Clip	4 pcs
5003	Ferrule, PEEK, double 1/16"	10 pcs
5570	PEEK Two-Piece Fingertight Nut	10 pcs
20116	Nut, PEEK, flangeless black 1/8", 1/4"-28	10 pcs
051	Ferrule, Tefzel, 1/8"	10 pcs
1061	Union, PEEK, HP complete with fitting 1/16", 10-32	5 pcs
55020-1	Fitting, PEEK, one-piece natural, 10-32	10 pcs
794	Tool, Guillotine Cutter for polymer tubing	1 pc
68250	Filter, PEEK, In-Line, compl., frit PAT PEEK-encased 5µm	1 pc
9000-0460	Frit, PAT, PEEK-encased 10 µm	5 pcs
3678-25	Filter, SS, mobile phase 25 µm, 1/8" pipe OD	4 pcs
367016-10	Filter, SS, mobile phase 10 µm, fittings for 1/16" tubing	4 pcs
6003	Tubing, PEEK, 1/16" x 0.75 mm ID, green stripe	10 ft
6004	Tubing, PEEK, 1/8" x 1/16" ID, natural	10 ft
625-30	Tubing, SS, 1/16" x 0.75 mm ID	3 ft
626-00	Tubing, SS, 1/8" x 2.1 mm ID	3 ft
ZF256	Ferrule, SS, 1/8"	10 pcs
ZN2	Nut, Internal, 1/8"	5 pcs
ZP2	Plug, SS, 1/8"	2 pcs
ZP1	Plug, SS, 1/16"	2 pcs
ZU2L	Union, SS, 1/8", complete, 5/16"-24	2 pcs
ZN1	Nut, SS, 1/16" short	5 pcs
ZF156	Ferrule, SS, 1/16"	10 pcs
ZRU21	Union, SS, reducing 1/8" – 1/16", 5/16"-24 – 10-32	3 pcs
409	Plug, PEEK, M6	5 pcs
4072	Plug, Nylon, column endstopper black, 10-32	5 pcs
805	Tool, wrench 3/8" x 7/16"	2 pcs



SPECS

Special Info

This is the ideal kit for prep-system users including fittings, filters and tubing etc.
The kit comes in a sturdy plastic box.

SPECS

Material

Nuts SS303 and
Ferrules SS316

Dimensions

OD 1/32», 1/16», 1/8» and 1/4»

Tolerances

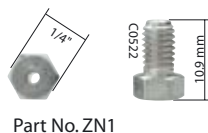
+/- 0.05 mm (.002»)

Pressure rating

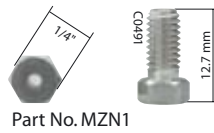
> 500 bar (> 7250 psi)

Valco Stainless Steel Nuts and Ferrules

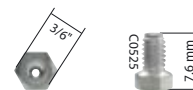
Part No.	Description
ZN.5	Nut, SS, 1/32"
ZF.5S6	Ferrule, SS, 1/32"
ZN1	Nut, SS, 1/16"
MZN1	Nut, SS, 1/16" Medium
LZN1	Nut, SS, 1/16" Long
ZF1S6	Ferrule, SS, 1/16"
ZN2	Nut, SS, 1/8"
ZF2S6	Ferrule, SS, 1/8"
ZN4	Nut, SS, 1/4"
ZF4S6	Ferrule, SS, 1/4"



Part No. ZN1



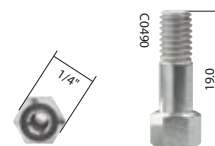
Part No. MZN1



Part No. ZN.5



Part No. ZF.5S6



Part No. LZN1



Part No. ZF1S6



Part No. ZN2



Part No. ZF2S6

SPECS

Material

SS316

Dimensions

For OD 1/16» Tubing

Tolerances

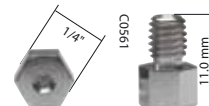
+/- 0.05 mm (.002»)

Pressure rating

> 500 bar (> 7250 psi)

Rheodyne Stainless Steel Nuts and Ferrules

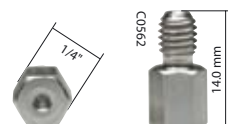
Part No.	Description
56	Nut, SS, short, Rheodyne, 10-32
57	Nut, SS, long head, Rheodyne, 10-32
58	Nut, SS, x-long, Rheodyne, 10-32
59	Ferrule, SS, 1/16"
60	Ferrule, SS, 1/16", 2-step Rheodyne



Part No. 56



Part No. 59



Part No. 57



Part No. 58



Part No. 60

STAINLESS STEEL NUTS AND FERRULES VALCO TYPE

Nuts with product numbers starting with Z are for use with all standard Valco internal fittings and most valves. They may be used with fittings from other manufacturers as well. The L (long) and XL (extra-long) types are for situations where the fitting head may be otherwise inaccessible or where interference between fittings exists, as on many Valco multiposition valves.

STAINLESS STEEL NUTS AND FERRULES RHEODYNE TYPE

Our SS Nuts and Ferrules for 1/16» and 1/8» tubing are made of high quality Stainless Steel. We offer nuts (threads 10-32) for 1/16» tubing in three different lengths in order to accommodate any possible connecting situation. Use our standard nut (P/N 56) for connecting easily accessible connections (couplers, detectors, columns etc.). For very tight and difficult to reach areas we recommend the extra long nut (P/N 58). This nut should be used for example with Rheodyne valves.

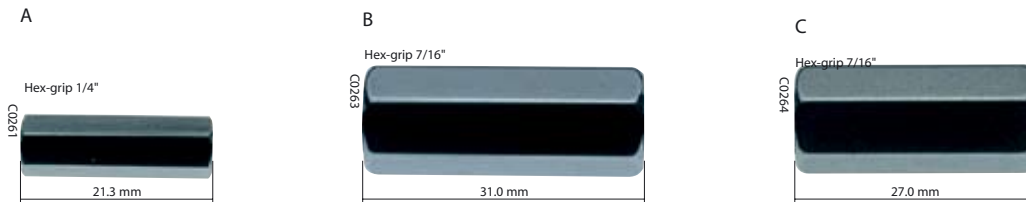
STAINLESS STEEL UNION

Our Stainless Steel Unions are made for joining two pieces of tubing of OD 1/16» or 1/8» of the same OD or joining OD 1/8» with 1/16». They are precision-machined and we are particularly careful with the concentricity of the through-hole and the finish of the surfaces to give an absolute leak-free connection. VICI Jour SS Unions have internal threads, which we recommend for most applications. Internal threads make stronger connections and provide the lowest dead volume for high performance instrumentation. To meet your requirements we offer you unions for 1/16» tubing OD with 10-32 or 1/4»-28 threads or for 1/8» tubing OD with 5/16»-24 threads.

Stainless Steel Union

Part No.	Description	Drawing
ZDV025U	Union, SS, bore 0.25 mm, 10-32, complete	A
ZDV050U	Union, SS, bore 0.50 mm, 10-32, complete	A
ZDV080U	Union, SS, bore 0.80 mm, 10-32, complete	A
ZU2L	Union, SS, 2.00 mm bore, 1/8", 5/16"-24, complete	B
ZRU21	Union, SS, reducing 0.75 mm bore, 1/8" - 1/16", 5/16"-24 - 10-32, complete	C

(All above SS Unions are shipped complete with nuts and ferrules.)

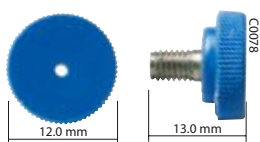


STAINLESS STEEL FITTINGS FOR USE WITH PEEK DOUBLE FERRULE

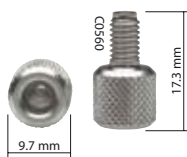
These fingertight versions may be hand-tightened for operation at up to 350 bar (5000 psi). These fittings fit virtually any female 1/16» fitting.

Stainless Steel Handtight Nuts

Part No.	Description
5560	Nut, SS, handtight, 10-32
5561	Nut, SS, fingertight, 10-32
5004	Ferrule, PEEK, double 1/16"



Part No. 5560



Part No. 5561



Part No. 5004

SPECS

Material

Part No. ZDV025U, ZDV050U and ZDV080U = SS 316
Part No. ZU2L, ZRU21 body and ferrules = SS316, fittings = SS303

Dimensions

For OD 1/16» and 1/8» Tubing

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

> 500 bar (> 7250 psi)

SPECS

Material

SS316, DIN1.4401

Dimension

For OD 1/16» Tubing

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

> 500 bar (> 7200 psi)

Special info

Double-Ferrule grips Tubing twice

Works with all 1/16» OD Tubing

Fits any 10-32 Fitting Detail

SPECS

Material

SS Tee and Cross 1/16»
= SS316

SS Tee and Cross 1/8»
= SS303

Dimensions

OD of the Tee and Cross body
only for 1/16» Tubing = 23.4
mm

Thickness = 12.7 mm

OD of the Tee body only for
1/8» Tubing = 33.2 mm

Thickness = 19.0 mm

For OD 1/32», 1/16» and
1/8» Tubing

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

> 350 bar (> 5000 psi)

Stainless Steel Tees & Crosses

Part No.	Description
ZT1C	Tee, SS, 0.25 mm bore, 1/16", 10-32, complete
ZT1M	Tee, SS, 0.50 mm bore, 1/16", 10-32, complete
ZX1C	Cross, SS, 0.25 mm bore, 1/16", 10-32, complete
ZX1M	Cross, SS, 0.50 mm bore, 1/16", 10-32, complete
ZT2	Tee, SS, 0.75 mm bore, 1/8"; 5/16"-24, complete
ZT2L	Tee, SS 2.00 mm bore, 1/8"; 5/16"-24, complete

(All above SS Unions are shipped complete with nuts and ferrules.)

STAINLESS STEEL TEES & CROSSES

The high pressure Tees and Crosses are designed as direct replacements for specific manufacturers parts. Each part is precision machined from SS 316L, passivated and rinsed. Included with each Tee and Cross are steel ferrules and thread-size 10-32 male nuts ready for use. Thru-hole is 0.5 mm.



SPECS

Material

SS300 series

Dimensions

See illustration

Tolerances

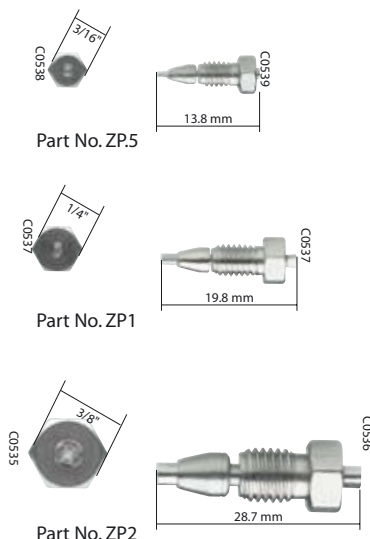
+/- 0.05 mm (.002»)

Stainless Steel Plugs

Part No.	Description
ZP5	Plug, SS, 1/32"
ZP1	Plug, SS, 1/16"
ZP2	Plug, SS, 1/8"

STAINLESS STEEL PLUGS

Often an extra port on a valve needs to be plugged or a piece of tubing needs to be capped. Here are three sturdy solid SS plugs.



NANO FITTINGS

Today's chromatography and its development is not driven so much by university research anymore, but the needs of the modern analytical routine industry lab.

HTS techniques, Proteomics, Genomics and other newer developments in industrial routine research have led to a minimalisation of sample size, reduction of analysis time and higher expectations on instrumentation as well as accessories.

As an answer to these demands VICI Jour has in cooperation with the VICI Valco group developed the PEEK nano-connector line for use with 1/32» PEEK tubing and fused silica transfer lines and/or columns.

The VICI Jour nano-connectors are as easy to handle as our standard analytical fittings and unions. The only difference is their size.

SPECS

Material
PEEK
Dimensions
See chart
Tolerances
+/- 0.05 mm (.002»)

NANO Fittings

Part No.	Description
C-NERU1FPK	Union, Reducing, Int/Ext, 1/32 Cheminert x 1/16 External
C-NEU.5FPK	Union, Int/Ext, 1/32 Cheminert x 1/32 ZDVF
C-NEU.5FPK.35	Union, Int/Ext, 1/32 Cheminert x 1/32 ZDVF Complete with Liners
C-NNFLFPK	Nut/Ferrule, One-Piece, 1/32 Cheminert, Long
C-NNFFPK	Nut/Ferrule, One-Piece, 1/32 Cheminert
EN.5FPK	Nut, External, 1/32 ZDVF
ZGF.5PK	Ferrule, growed, PEEK, 1/32"
EN1FPK	Nut, External, 1/16 ZDVF
ZGF1PK	Ferrule, growed, PEEK, 1/16"
C-NL.35L	Liner, PEEK, .031" OD x .015" ID x .825" long (for Nut P/N C-NNFFPK)
C-NL.35S	Liner, PEEK, .031" OD x .015" ID x .400" long (for Nut P/N EN.5FPK)
C-NL.35XL	Liner, PEEK, .031" OD x .015" ID x 1.075" long (for Nut P/N C-NNFFPK)
C-NLS2.35	Liner and Screen, PEEK, .031" OD x .015" ID x 1" long
C-NTFPK	Tee, 0.15 mm, 1/32 Cheminert
C-NXFPK	Cross, 0.15 mm, 1/32 Cheminert
C-NYFPK	Y, 0.15 mm, 1/32 Cheminert



Part No. C-NERU1FPK



Part No. C-NEU.5FPK +
C-NEU.5FPK.35



Part No. C-NNFLFPK



Part No. C-NNFFPK



Part No. C-NTFPK



Part No. C-NXFPK



Part No. C-NYFPK



Part No. EN.5FPK



Part No. ZGF.5PK



Part No. EN1FPK



Part No. ZGF1PK



Part No. C-NL.35L +
C-NL.35S +
C-NL.35XL



Part No. C-NLS2.35

COLOR CODED FLANGE-FREE FINGERTIGHT FITTINGS

VICI Jour takes the flange out of plastic tube fittings. Merely slip the nut and ferrule onto Teflon or Tefzel tubing and finger-tighten into any standard 1/4»-28 threaded flat bottom fitting. Six different colors allow you to color code your solvent streams e.g. in a gradient system.

Here is the system which provides a zero dead-volume, leak-free seal without flanging. For higher pressures use the Tefzel tubing.

The ferrule is made of Tefzel – a highly inert fluorocarbon polymer – and is the only part, besides the tubing, which is in contact with the fluid – the nut is never in contact with the fluid stream. We do not recommend Delrin nuts to be used with acids or bases.

Color Coded Flange-Free fingertight fittings 1/16"

Part No.	Description
040 Green	Nut, Delrin, flangeless 1/16", green, 1/4"-28
040 Blue	Nut, Delrin, flangeless 1/16", blue, 1/4"-28
040 Yellow	Nut, Delrin, flangeless 1/16", yellow, 1/4"-28
040 Red	Nut, Delrin, flangeless 1/16", red, 1/4"-28
040 White	Nut, Delrin, flangeless 1/16", white, 1/4"-28
040 Black	Nut, Delrin, flangeless 1/16" black, 1/4"-28
040 White Long	Nut, Delrin, flangeless 1/16" for Dionex 1" long, white, 1/4"-28
041	Ferrule, Tefzel, 1/16"

Color Coded Flange-Free fingertight fittings 1/8"

Part No.	Description
050 Green	Nut, Delrin, flangeless 1/8" green, 1/4"-28
050 Blue	Nut, Delrin, flangeless 1/8", blue, 1/4"-28
050 Yellow	Nut, Delrin, flangeless 1/8", yellow, 1/4"-28
050 Red	Nut, Delrin, flangeless 1/8" red, 1/4"-28
050 White	Nut, Delrin, flangeless 1/8" white, 1/4"-28
050 Black	Nut, Delrin, flangeless 1/8" black, 1/4"-28
050 White Long	Nut, Delrin, flangeless 1/8" for Dionex 1" long, white, 1/4"-28
050 Black Long	Nut, Delrin, flangeless 1/8" for Dionex 1" long, black, 1/4"-28
051	Ferrule, Tefzel, 1/8"



CHEMINERT® FLANGELESS FITTINGS WITH COLLAPSIBLE FERRULE

Cheminert flangeless fittings now include our new collapsible ferrule design (patent pending). This innovative design utilizes a one-piece ferrule engineered to collapse as it is tightened. The collapse takes place in two very narrow areas, and results in a very effective seal with virtually no distortion of the tubing ID and no dead volume.

Cheminert® Flangeless Fittings with Collapsible Ferrule

Part No.	Description
CFL-1BK	Cheminert nut, 1/4"-28, for OD 1/16" tubing, Black
CFL-1BE	Cheminert nut, 1/4"-28, for OD 1/16" tubing, Blue
CFL-1G	Cheminert nut, 1/4"-28, for OD 1/16" tubing, Green
CFL-1R	Cheminert nut, 1/4"-28, for OD 1/16" tubing, Red
CFL-1W	Cheminert nut, 1/4"-28, for OD 1/16" tubing, White
CFL-1Y	Cheminert nut, 1/4"-28, for OD 1/16" tubing, Yellow
CFL-CB1KF	Cheminert ferrule, CTFE, collapsible, for OD 1/16" tubing
CFL-2BK	Cheminert nut, 1/4"-28, for OD 1/8" tubing, Black
CFL-2BE	Cheminert nut, 1/4"-28, for OD 1/8" tubing, Blue
CFL-2G	Cheminert nut, 1/4"-28, for OD 1/8" tubing, Green
CFL-2R	Cheminert nut, 1/4"-28, for OD 1/8" tubing, Red
CFL-2W	Cheminert nut, 1/4"-28, for OD 1/8" tubing, White
CFL-2Y	Cheminert nut, 1/4"-28, for OD 1/8" tubing, Yellow
CFL-CB2KF	Cheminert ferrule, CTFE, collapsible, for OD 1/8" tubing



Part No. CFL-2R



SPECS

Material

Delrin

Dimensions

For OD 1/16» and 1/8» Tubing

Tolerances

+/- 0.05 mm (.002»)

Pressure rating

1/16» fitting 70 bar (1000 psi)

1/8» fitting 35 bar (500 psi)

Special Info

Assembles in Seconds Without Tools

Compatible with any 1/4»-28

Fitting System

Use with 1/16» or 1/8» OD

Tubing

SPECS

Material

Nut = Polypropylene

Ferrule = KEL-F

Dimensions

For OD 1/16» and 1/8» Tubing

Tolerances

+/- 0.05 mm (.002»)

Special Info

Extreme over tightening can result in loss of sealing capacity.

FLANGED FINGERTIGHT FITTINGS

A number of chromatography systems require, or prefer flanged fittings. Consequently, we have developed a series of such fittings for your convenience. Please note that the bushing never comes in contact with the mobile phase. The material of the fitting is Fiber Glass reinforced Polypropylene. The bushing is made of Polypropylene.



SPECS

Material

Fitting = Fiber Glass reinforced Polypropylene
Ring = Polypropylene

Dimensions

For OD 1/16», 1/8» Tubing

Tolerances

ID +/- 0.05 mm (.002»)

Special Info

Use with 1/16» or 1/8» OD Tubing
Compatible with any 1/4»-28 Fitting System

Flanged Fingertight Fittings 1/16"

Part No.	Description
201094 Black	Nut, PP, flanged black 1/16", 1/4"-28
201094 White	Nut, PP, flanged white 1/16", 1/4"-28
201926	Ring, PP, flanged 1/16"
202118	Nut, PP, flanged black x-long 1/16", 1/4"-28
202120	Nut, PP, flanged white x-long 1/16", 1/4"-28
202122	Nut, PP, flanged blue 1/16", 1/4"-28
202123	Nut, PP, flanged green 1/16", 1/4"-28
202124	Nut, PP, flanged yellow 1/16", 1/4"-28
202125	Nut, PP, flanged red 1/16", 1/4"-28

Flanged Fingertight Fittings 1/8"

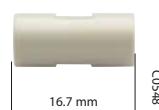
Part No.	Description
201580 Black	Nut, PP, flanged black 1/8", 1/4"-28
201580 White	Nut, PP, flanged white 1/8", 1/4"-28
201928	Ring, PP, flanged 1/8"
202119	Nut, PP, flanged white x-long 1/8", 1/4"-28
202121	Nut, PP, flanged black x-long 1/8", 1/4"-28
202142	Nut, PP, flanged blue 1/8", 1/4"-28
202143	Nut, PP, flanged green 1/8", 1/4"-28
202144	Nut, PP, flanged yellow 1/8", 1/4"-28
202145	Nut, PP, flanged red 1/8", 1/4"-28

UNIONS 1/4"-28

These unions allow you to connect two pieces of 1/16» or 1/8» tubing quickly and reliably. The unions are inert and biocompatible.

Unions

Part No.	Description
060	Union, Nylon, LP body only, 1/4"-28
064	Union, PEEK, LP 0.5 mm bore, body only, 1/4"-28
1064	Union, PEEK, LP 0.5 mm bore, complete with fittings 1/16", 1/4"-28
065	Union, PEEK, LP 1.3 mm bore, complete with fittings 1/8", 1/4"-28
1065	Union, PEEK, LP 1.3 mm bore, body only, 1/4"-28



Part No. 064 + 065



Part No. 060

Wrench-grip 5/16"



Part No. 1064



Part No. 1065

SPECS

Material

Nylon or PEEK

Dimensions

For 1/4»-28 Fittings

Tolerances

+/- 0.05 mm (.002»)

Special Info

Connects any 1/16» or 1/8» Tubing
Female 1/4»-28 ports

SPECS

Material

Tee and Cross body = PEEK
Fitting = Delrin
Ferrule = Tefzel

Dimensions

Flangeless fittings for OD 1/8"»
Tubing are supplied with Tees and Crosses with 1.50 mm thru-holes.

Flangeless Fittings for OD 1/16"»

Tubing are supplied with Tees and Crosses with 0.80 mm thru-holes.

Tolerances

+/- 0.05 mm (.002"»)

Pressure rating
< 70 bar (< 1000 psi)

Special Info

Two Thru-hole Sizes to Handle
High or Low Flow Rates



PEEK TEES & CROSSES LOW PRESSURE

VICI Jour Tees and Crosses for low-pressure applications are machined from PEEK. The Tees and Crosses have 1/4"»-28 female ports which accept any flanged or flangeless fitting for 1/8"» or 1/16"» OD tubing. Choose 0.80 mm thru-holes for applications where low flow rate or low dead volume is required. Tees and Crosses with 1.50 mm thru-holes are preferred for high-flow rate applications. VICI Jour Low-Pressure Tees and Crosses are available with or without Delrin flangeless fittings.

PEEK Tees & Crosses

Part No.	Description
6030	Tee, PEEK, LP bore 0.8 mm, complete, 1/4"-28
6031	Tee, PEEK, LP bore 1.5 mm, complete, 1/4"-28
6040	Cross, PEEK, LP bore 0.8 mm, complete, 1/4"-28
6041	Cross, PEEK, LP bore 1.5 mm, complete, 1/4"-28
6032	Tee, PEEK, LP bore 0.8 mm, body only
6033	Tee, PEEK, LP bore 1.5 mm, body only
6042	Cross, PEEK, LP bore 0.8 mm, body only
6043	Cross, PEEK, LP bore 1.5 mm, body only
050 Black	Nut, Delrin, flangeless 1/8"; black, 1/4"-28
051	Ferrule, Tefzel, 1/8"
040 Black	Nut, Delrin, flangeless 1/16"; black, 1/4"-28
041	Ferrule, Tefzel, 1/16"

FLANGED FITTINGS KIT

The Flanged Fittings Kit contains all the materials that are required to make your flanged fittings. We strongly recommend you to use our hand held Easy-Flange tool, which have been designed for making perfect flangess.

Flanged Fittings Kits

Part No.	Description
201529	Kit, flanged fittings

The Kit contains the following parts:

- 10 pcs P/N 201094 Black Flanged nut 1/16"
- 10 pcs P/N 201094 White Flanged nut 1/16"
- 10 pcs P/N 201580 Black Flanged nut 1/8"
- 10 pcs P/N 201580 White Flanged nut 1/8"
- 20 pcs P/N 201928 Bushing 1/8" Polypropylene
- 20 pcs P/N 201926 Bushing 1/16" Polypropylene
- 5 pcs P/N 060 Union
- 1 pc P/N 797 Clean-Cut
- 3 m P/N 4011, 1/16" x ID 0.25 mm Teflon Tubing
- 3 m P/N 4183, 1/16" x ID 0.50 mm Teflon Tubing
- 3 m P/N 4036, 1/16" x ID 0.75 mm Teflon Tubing
- 3 m P/N 6800, 1/8" x ID 1.59 mm Teflon Tubing



Low-Pressures Polypropylene Adapters

Part No.	Drawing	Description
070211-6		Adapter, PP, male Luer to 1/16» barbed
070212-6		Adapter, PP, male Luer to 3/32» barbed
070213-6		Adapter, PP, male Luer to 1/8» barbed
070111-6		Adapter, PP, female Luer to 1/16» barbed
070112-6		Adapter, PP, female Luer to 3/32» barbed
070113-6		Adapter, PP, female Luer to 1/8» barbed
070101-6		Adapter, PP, female to female Luer
070124-6		Adapter, PP, female Luer to 10-32 male
070224-6		Adapter, PP, male Luer to 10-32 male
070125-6		Adapter, PP, female Luer to 1/4»-28 female
070225-6		Adapter, PP, male Luer to 1/4»-28 female
071111-6		Adapter, PP, barbed connector 1/16»
071112-6		Adapter, PP, barbed connector 3/32»
071113-6		Adapter, PP, barbed connector 1/8»

Low-Pressures Polypropylene Adapters

Part No.	Drawing	Description
071211-6		Adapter, PP, barbed connector 3/32» to 1/16»
071311-6		Adapter, PP, barbed connector 1/16» to 1/8»
071312-6		Adapter, PP, barbed connector 3/32» to 1/8»
079411-6		TEE, PP, barbed for 1/16» tubing
079412-6		TEE, PP, barbed for 3/32» tubing
079413-6		TEE, PP, barbed for 1/8» tubing
079516-6		TEE, PP, barbed 2 x 1/16» to 3/32» tubing
079517-6		TEE, PP, barbed 2 x 1/16» to 1/8» tubing
079518-6		TEE, PP, barbed 2 x 2/32» to 1/16» tubing
079911-6		TEE, PP, Y-formed barbed 1/16» tubing
079912-6		TEE, PP, Y-formed barbed 3/32» tubing
079913-6		TEE, PP, Y-formed barbed 1/8» tubing

Material
Polypropylene

SPECS

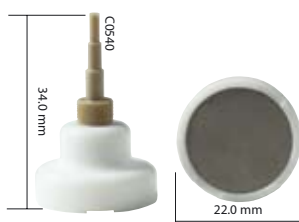
SPECS

Material

Teflon body with a sintered stainless steel (SS316L) or Teflon filter element.
Tubing connector made of PEEK.

Dimensions

See illustration.



LAST DROP MOBILE PHASE FILTER

The Last Drop Mobile Phase Filter utilizes a flat filter element which sits parallel to the bottom of the reservoir. This design allows the filter to draw all but the last 2% of the mobile phase from the reservoir without drawing air into the system. Compare this with conventional cylindrical mobile phase filters that begin to draw air into the system when less than 10% of the solvent remains in the reservoir. The VICI Jour Last Drop filter allows more analyses per batch of mobile phase and helps reduce hazardous waste.

The Last Drop Mobile Phase Filter is manufactured by pressing a SS316L or Teflon filter element into an inert Teflon housing. The top of the housing has a PEEK Tripod which slips into 1.5, 2.2 or 3.5 mm ID pump inlet lines. It's also possible to use VICI Jour's Flange-Free fittings P/N 20124 to 20129 (1/16" ID) or P/N 20112 to 20117 (1/8" ID). Use the metal-free Teflon version for sensitive biochromatography applications where metal surfaces may corrode or interact with samples.

VICI Jour Last Drop Mobile Phase Filters

Part No.	Description
9000-0520	Filter, PTFE, Last Drop 2.5 µm, tripod tubing connector
9000-0521	Filter, PTFE, Last Drop 5 µm, tripod tubing connector
9000-0522	Filter, PTFE, Last Drop 10 µm, tripod tubing connector
9000-0530	Filter, SS, Last Drop 2.5 µm, tripod tubing connector
9000-0531	Filter, SS, Last Drop 5 µm, tripod tubing connector
9000-0532	Filter, SS, Last Drop 10 µm, tripod tubing connector

SPECS

Material

Teflon body with a sintered stainless steel (SS316L) or Teflon filter element.
Tubing connectors made of PEEK.

Dimensions

See illustration.



LAST DROP FILTER/SPARGERS

This Filter/Sparger filter combines filtration and sparging in one single unit. The PTFE housing contains, a mobile phase filter, either a stainless steel or a PTFE filter element. The filter sparger features PEEK tripod connector for solvent line, nut and ferrule for sparging line.

Filter/Sparger and Mobile Phase Filter

Part No.	Description
9000-0602	Filter/Sparger, PTFE, Last Drop 2 µm filter, 10 µm sparger
9000-0603	Filter/Sparger, PTFE, Last Drop 5 µm filter, 10 µm sparger
9000-0604	Filter/Sparger, PTFE, Last Drop 10 µm filter, 10 µm sparger
9000-0640	Filter/Sparger, SS, Last Drop 2 µm filter, 10 µm sparger
9000-0641	Filter/Sparger, SS, Last Drop 5 µm filter, 10 µm sparger
9000-0642	Filter/Sparger, SS, Last Drop 10 µm filter, 10 µm sparger

ECONOMY LAST DROP MOBILE PHASE FILTERS

We can offer Economy Mobile Phase Filters in 2 sizes – depending upon the dimension of your bottleneck – and with SS filter 2 µm and 10 µm or Teflon filter 2.5, 5 or 10 µm porosity. The filter body is made of Teflon which has been specially selected to be resistant against virtually all common mobile phases. We recommend the 2 µm porosity where the flow is less than 10 mL/min. For higher flow rates or where you may have a risk for contamination, use the 10 µm filters. Suitable VICI Jour Teflon tubing for the Economy filters is Part No. 6800, OD 1/8" x ID 1.60 mm.

Economy Last Drop Mobile Phase Filter

Part No.	Description
4676-2	Filter, SS, Economy mobil phase 2 µm, OD 19 mm
4676-10	Filter, SS, Economy mobil phase 10 µm, OD 19 mm
4677-2	Filter, SS, Economy mobil phase 2 µm, OD 22 mm
4677-10	Filter, SS, Economy mobil phase 10 µm, OD 22 mm
4676-2.5TF	Filter, PTFE, Economy mobil phase 2,5 µm, OD 19 mm
4676-5TF	Filter, PTFE, Economy mobil phase 5 µm, OD 19 mm
4676-10TF	Filter, PTFE, Economy mobil phase 10 µm, OD 19 mm
4677-2.5TF	Filter, PTFE, Economy mobil phase 2,5 µm, OD 22 mm
4677-5TF	Filter, PTFE, Economy mobil phase 5 µm, OD 22 mm
4677-10TF	Filter, PTFE, Economy mobil phase 10 µm, OD 22 mm



SPECS

Material

Teflon body with a sintered stainless steel (SS316L) or Teflon filter element

Dimension

See illustration

Special Info

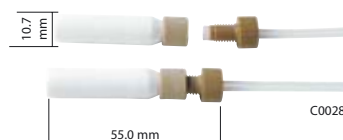
Easy to replace – easy to clean – use ultrasound or replace with new

NO-MET BIOCOMPATIBLE MOBILE PHASE FILTER

Stainless steel is not an acceptable material for a growing number of applications involving the separation of biomolecules. High salt buffers can corrode stainless steel and the metal ions released from these filters may contaminate or otherwise react with the biomolecules of interest. It is of great importance that all of the biological activity of the chromatographed samples is retained and that the biological specificity remains unchanged. Many macromolecules are fairly labile and require not only biocompatible chromatographs but also mobile phase filters, which are totally inert. The Nomet filters are designed from inert polymeric components, which effectively eliminate metal contamination of the fluid path. We are pleased to offer you a unique solution to this problem consisting of a totally inert – totally biocompatible polymer filter with a porosity of 5 µm, where all fittings are made of biocompatible material. Use it for IC and biochromatography applications. Because this filter is hydrophobic it may initially require some priming with methanol or acetonitrile. Suitable VICI Jour Teflon tubing for the Economy filters is Part No. 6800, OD 1/8" x ID 1.60 mm.

No-Met Mobile Phase Filter

Part No.	Description
32170	Filter, PE, mobile phase No-Met 20 µm, 1/8"
32173	Filter, PE, mobile phase replacement No-Met 20 µm
32171	Filter, PTFE, mobile phase No-Met 5 µm, 1/8"
32172	Filter, PTFE, mobile phase replacement No-Met 5 µm



SPECS

Material

Filter Body made of Polyethylene
Fitting details made of PEEK.
Ferrule made of Tefzel

Dimension

See illustration

Tolerances

Pressure rating

Special Info



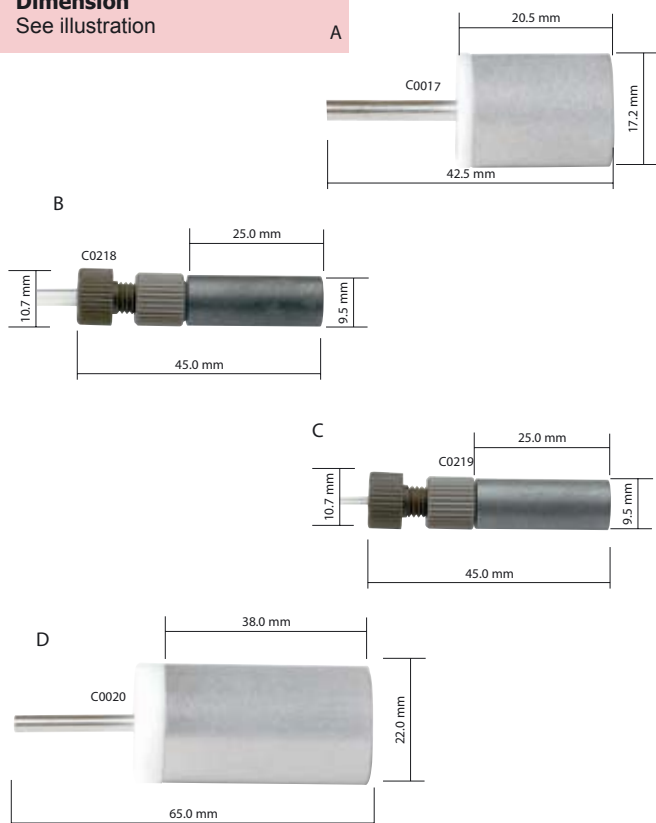
SPECS

Material

Filter body made of sintered
Stainless Steel (SS316L)
Tubing connectors made of
PEEK or Stainless Steel

Dimension

See illustration



SS MOBILE PHASE FILTERS

Our line of Mobile Phase Filters protects your HPLC system from small particles in the mobile phase. These filters are made from SS316L and PEEK or Teflon and are suitable for most solvents.

We can offer you a complete line for both analytical and preparative applications. Use the table below to select the proper filter for your application.

VICI Jour Helium Spargers offer an inexpensive way to prepare and maintain mobile phases free of dissolved gases. Connect these spargers to a regulated supply of Helium gas (0–400 mL/min.) to effectively remove dissolved oxygen, nitrogen and other atmospheric gases from the mobile phase. VICI Jour Spargers are made from 10 micron porosity stainless steel.

Mobile Phase Filters & Helium Spargers

Part No.	Drawing	Porosity	Fitting/Pipe OD	Suggested Max. Flow Rate
3675-2	A	2 µm	1/8" Pipe OD	10 mL/min
367008-2	B	2 µm	1/8" Fitting ID	8 mL/min
367008-10	B	10 µm	1/8" Fitting ID	20 mL/min
367008-20	B	20 µm	1/8" Fitting ID	20 mL/min
367016-2	C	2 µm	1/16" Fitting ID	8 mL/min
367016-10	C	10 µm	1/16" Fitting ID	20 mL/min
367016-20	C	20 µm	1/16" Fitting ID	20 mL/min
3678-2	D	2 µm	1/8" Pipe OD	50 mL/min
3678-25	D	25 µm	1/8" Pipe OD	100 mL/min

SPECS

Material

Filter made of PAT (PEEK
Alloyed with Teflon)
Fittings and Filter body made
of PEEK
Ferrules made of Tefzel

Dimensions

For OD 1/16" and 1/8" Tubing

Tolerances

+/- 0.05 mm (0.002")

Pressure rating

< 35 bar (< 500 psi)

Special Info

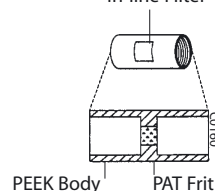
IN-LINE LOW/MEDIUM PRESSURE FILTER FOR LC

It is essential to keep particulates out of any LC system. The In-Line filter is totally Metal-free. The filterbody is machined from PEEK and the filter element is PAT material (PEEK Alloyed with Teflon). It is colorcoded to differentiate between the porosities of the PAT frits.

The natural PEEK color for 5 µm version and black housing for 10 µm porosity.



Low/Medium Pressure
In-line Filter



In-Line Low/Medium Pressure Filter for LC

Part No.	Description
9000-06140	Filter, PEEK, LP In-Line 5 µm, 1/16", natural
9000-06141	Filter, PEEK, LP In-Line 5 µm, 1/8", natural
9000-06150	Filter, PEEK, LP In-Line 10 µm, 1/16", black
9000-06151	Filter, PEEK, LP In-Line 10 µm, 1/8", black
9000-0614	Filter, PEEK, LP In-Line 5 µm, body only, natural
9000-0615	Filter, PEEK, LP In-Line 10 µm, body only, black

Filters & Mobile Phase Filters

PEEK IN-LINE FILTER KIT – HIGH PRESSURE

The VICI Jour In-Line Filter traps fines and other particulates from samples and mobile phases before they damage your valuable instrument and column. This design is made entirely of PEEK for biocompatibility and chemical resistance. PAT (PEEK Alloyed with Teflon) filter elements are used for complete biocompatibility.

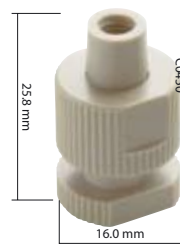
The design has virtually no dead volume and consequently causes neither band broadening nor loss of efficiency.

In-Line Filter Kit – High Pressure

Part No.	Description
68250	Filter, PEEK, In-Line, PAT frit PEEK-encased 5µm
68251	Filter, PEEK, In-Line, PAT frit PEEK-encased 10 µm
68253	Filter, PEEK, In-Line, Ti frit PEEK-encased 2µm

Replacement Filters:

68152	Frit, PAT, PEEK-encased, 5 µm
9000-0460	Frit, PAT, PEEK-encased 10 µm
1125-2P	Frit, Ti, PEEK-encased 2 µm



SPECS

Material

Filter made of PAT (PEEK Alloyed with Teflon) or Titanium with PEEK ring
Fitting details and Filter body made of PEEK

Dimensions

See illustration

Pressure rating

< 420 bar (< 6000 psi)



PEEK PRE-COLUMN FILTER KIT – HIGH PRESSURE

You will find the perfect balance between minimal deadvolume and total biocompatibility in this PEEK filter, which has a standard 10-32 fitting and fits direct most column types.

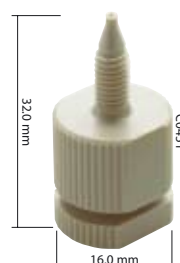
Protect your expensive columns against particulate matter, which may otherwise accumulate on the column frit, leading to split peaks and high backpressure. Protect your column against pump, injector seals, buffers and other contaminants with this new fingertight filter. We recommend the 2 micron frit for columns with 5 µm or larger particles and our 0,5 µm frit for smaller particles.

EEK Pre-Column Filter Kit – High Pressure

Part No.	Description
68260	Filter, PEEK, pre-column, PAT frit PEEK-encased 5 µm
68261	Filter, PEEK, pre-column, PAT frit PEEK-encased 10 µm
68262	Filter, PEEK, pre-column, Ti frit PEEK-encased 2 µm

Replacement Filters:

68152	Frit, PAT, PEEK-encased, 5 µm
9000-0460	Frit, PAT, PEEK-encased 10 µm
1125-2P	Frit, Ti, PEEK-encased 2 µm



SPECS

Material

Filter made of PAT (PEEK Alloyed with Teflon) or Titanium with PEEK ring
Fitting details and Filter body made of PEEK

Dimensions

See illustration

Pressure rating

< 420 bar (< 6000 psi)

SPECS

Material
PEEK
Dimensions
See chart
Pressure rating
< 350 bar (< 5000 psi)
Special Info
Biocompatible
Easy to Fill



IN-LINE BIOCOMPATIBLE GUARD COLUMN

VICI Jour's In-Line PEEK Guard Column System extends the life of your valuable analytical column by trapping contaminants from the sample and mobile phase, thereby preventing loss of retention. Only PEEK and PAT contact the eluant and sample. This system is ideal for use with proteins or other biopolymers that may be contaminated or adsorbed by metal surfaces.

VICI Jour Guard Columns are easily dry-packed or slurry packed. Guard columns may be changed in minutes without the use of tools – all connections may be made by hand.

In-Line PEEK Guard Column

Part No.	Description
68252	Column, PEEK, In-Line guard column, complete
68242	Column, PEEK, guard cartridge 8.0 x 3.0 mm ID, complete 2 pcs PAT-frit 5 µm
27300	Slurry Packing Adapter for 68242



P/N 68242 Guard Cartridge with PAT Frits 6145-6188 5 µm

SPECS

Material
PEEK and Polypropylene
Pressure rating
< 350 bar (< 5000 psi)

ONE-PIECE FINGERTIGHT COLUMN COUPLER

Our design allows you to choose from a whole variety of tubing ID's. Tubing ID is shown by the color of the sleeve, which reflects the color-coding of our PEEK tubing.

A unique feature of the VICI Jour Column Coupler is that we offer one version that fits all pilot length, such as Valco, Waters, Upchurch, Rheodyne, etc. It adapts automatically and bottoms out in any fitting detail and consequently creates only small void volumes.

One-Piece Fingertight Column Coupler

Part No.	Description
26501	Coupler, PEEK, universal 0.13 mm ID
26502	Coupler, PEEK, universal 0.17 mm ID
26503	Coupler, PEEK, universal 0.25 mm ID
26504	Coupler, PEEK, universal 0.50 mm ID

