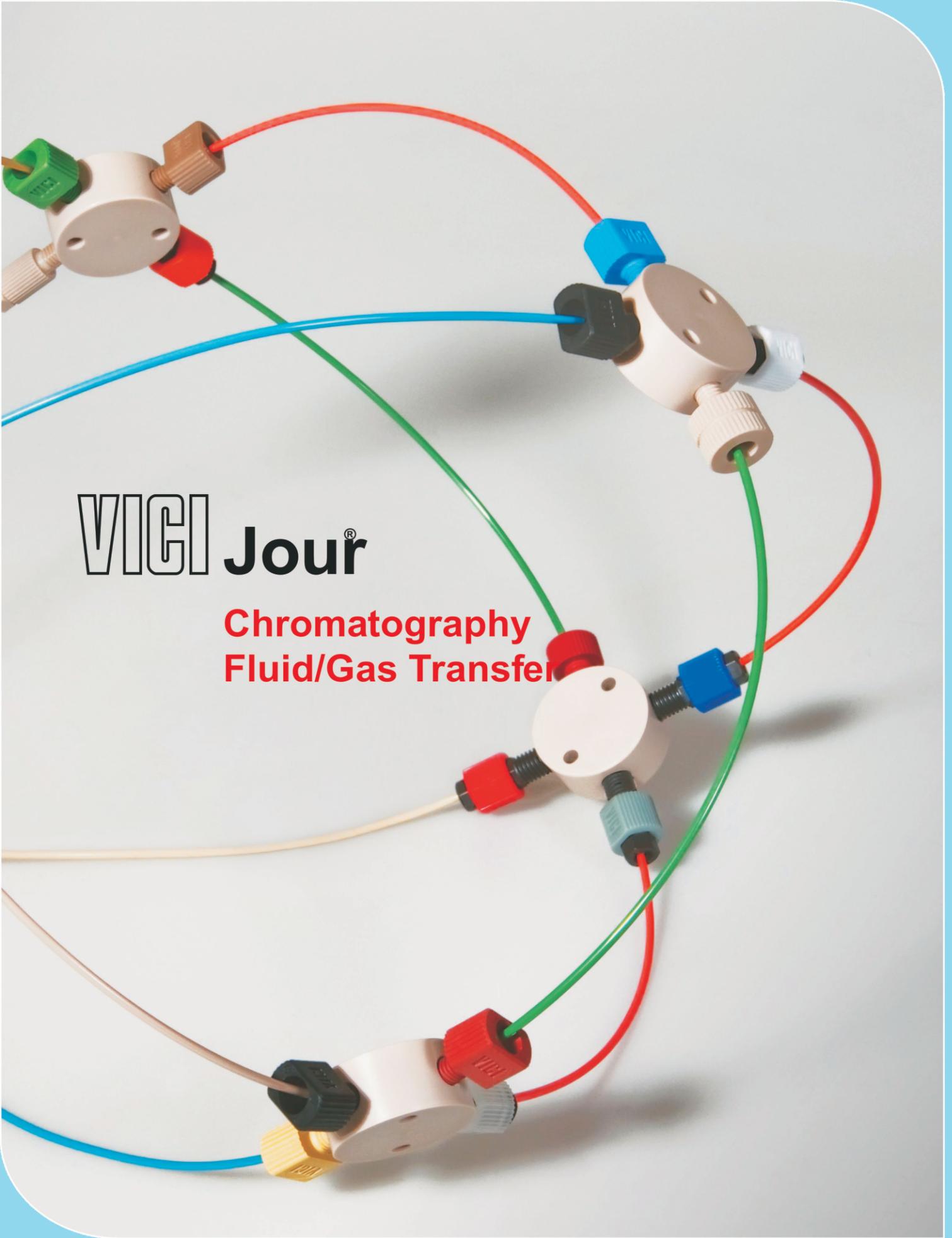


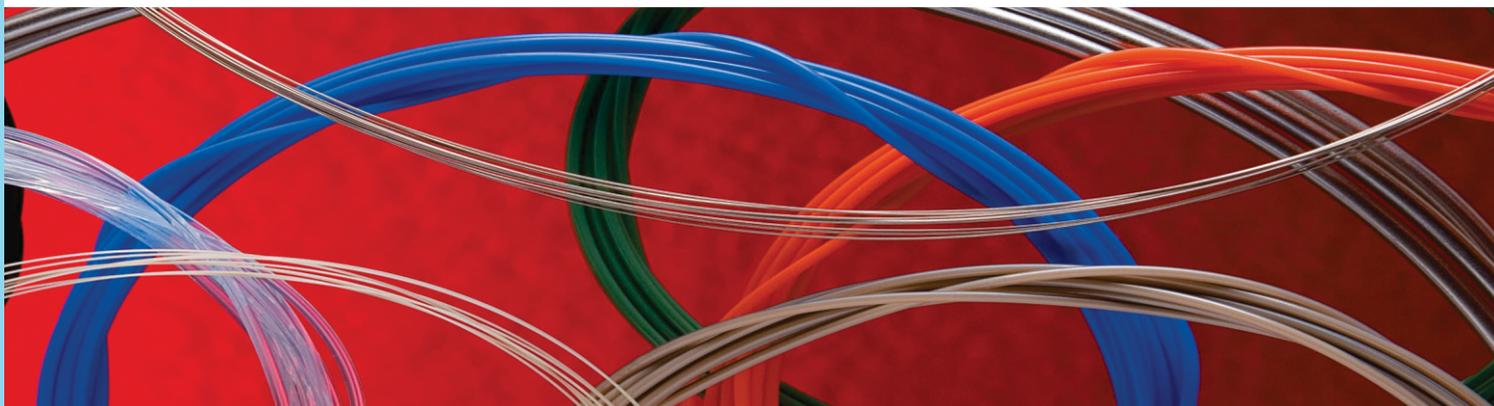
VICI Jour[®]

**Chromatography
Fluid/Gas Transfer**



Tubing

METAL AND POLYMERIC



PEEK tubing ■ Color-coded

TUBING

Solid color-coded PEEK tubing

SPECS

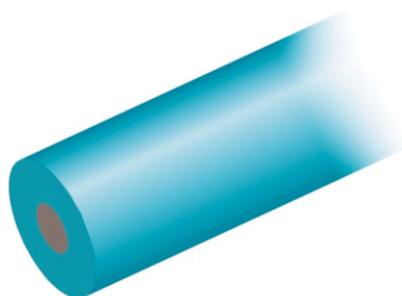
- Maximum recommended working temp: 100°C (continuous) for 1/16" OD tubing with ID up to 0.75 mm
- Max working pressures:
- Tubing tolerances:

Color-coding identifies the ID of your PEEK tubing – each ID is coded with a different color. Solid colored tubing is made of pre-dyed raw material.

All colorants used in the manufacture of this tubing are RoHS-compliant. (Restriction of Hazardous Substances)

| Qty/pkg: Tubing OD | Color | ID (µm) | 1 m Product No. | 3 m Product No. | 10 m Product No. |
|-----------------------|---------|---------|--------------------|--------------------|---------------------|
| 360 µm | Orange | 50 | JR-T-3750-M1 | JR-T-3750-M3 | — |
| | Natural | 75 | — | JR-T-6060-M3 | JR-T-6060-M10 |
| | Green | 75 | JR-T-3775-M1 | JR-T-3775-M3 | — |
| | Grey | 100 | JR-T-37100-M1 | JR-T-37100-M3 | — |
| | Red | 125 | JR-T-37125-M1 | JR-T-37125-M3 | — |
| | Black | 150 | JR-T-37150-M1 | JR-T-37150-M3 | — |

| | Color | ID (mm) | 1 m Product No. | 3 m Product No. | 10 m Product No. |
|-------|---------|---------|--------------------|--------------------|---------------------|
| 1/32" | Orange | 0.050 | JR-T-5602-M1 | JR-T-5602-M3 | — |
| | Pink | 0.064 | JR-T-5664-M1 | JR-T-5664-M3 | — |
| | Green | 0.075 | JR-T-5603-M1 | JR-T-5603-M3 | — |
| | Black | 0.100 | JR-T-5604-M1 | JR-T-5604-M3 | — |
| | Natural | 0.13 | — | JR-T-5993-M3 | JR-T-5993-M10 |
| | Red | 0.13 | JR-T-5605-M1 | JR-T-5605-M3 | — |
| | Purple | 0.15 | JR-T-5606-M1 | JR-T-5606-M3 | — |
| | Natural | 0.18 | — | JR-T-5994-M3 | JR-T-5994-M10 |
| | Yellow | 0.18 | JR-T-5607-M1 | JR-T-5607-M3 | — |
| | Orange | 0.20 | JR-T-5608-M1 | JR-T-5608-M3 | — |
| | Natural | 0.25 | — | JR-T-5995-M3 | JR-T-5995-M10 |
| | Blue | 0.25 | JR-T-5610-M1 | JR-T-5610-M3 | — |
| | Natural | 0.38 | — | JR-T-5715-M3 | JR-T-5715-M10 |
| | Orange | 0.50 | JR-T-5620-M1 | JR-T-5620-M3 | — |



TECH TIP

See our dual layer PEEK tubing for solid colored PEEK tubing with no possibility of stream coming into contact with coloring agents.

| Color | ID (mm) | 3 m Product No. | 10 m Product No. | 25 m Product No. |
|---------|---------|--------------------|---------------------|---------------------|
| Natural | 0.064 | JR-T-5998-M3 | JR-T-5998-M10 | JR-T-5998-M25 |
| Black | 0.10 | JR-T-6020-M3 | JR-T-6020-M10 | JR-T-6020-M25 |
| Red | 0.13 | JR-T-6007-M3 | JR-T-6007-M10 | JR-T-6007-M25 |
| Purple | 0.15 | JR-T-6030-M3 | JR-T-6030-M10 | JR-T-6030-M25 |
| Yellow | 0.18 | JR-T-6008-M3 | JR-T-6008-M10 | JR-T-6008-M25 |
| Blue | 0.25 | JR-T-6009-M3 | JR-T-6009-M10 | JR-T-6009-M25 |
| Grey | 0.38 | JR-T-6040-M3 | JR-T-6040-M10 | JR-T-6040-M25 |
| Orange | 0.50 | JR-T-6010-M3 | JR-T-6010-M10 | JR-T-6010-M25 |
| Green | 0.75 | JR-T-6011-M3 | JR-T-6011-M10 | JR-T-6011-M25 |

ETFE tubing ■ PFA tubing

tubing



ETFE tubing

ETFE (ethyltrifluoroethylene) tubing is particularly suitable for HPLC, since it has a higher burst pressure as compared to PTFE. 1/16" OD x 0.25 mm ID tubing will withstand up to 186 bar (2700 psi) with water as mobile phase. However, it is important to note that when used with organic solvents, ETFE tubing may swell, reducing that maximum pressure to 70 bar (1000 psi).

This is the ideal polymer for applications with chloride salts, which typically corrode stainless steel.

| Qty/pkg: | | 3 m | | 10 m | | 25 m | |
|-----------|---------|-------------|--------------|--------------|-------------|-------------|-------------|
| Tubing OD | ID (mm) | Product No. | Product No. | Product No. | Product No. | Product No. | Product No. |
| 1/32" | 0.25 | JR-T-084-M3 | JR-T-084-M10 | JR-T-084-M25 | | | |
| 1/16" | 0.18 | JR-T-078-M3 | JR-T-078-M10 | JR-T-078-M25 | | | |
| | 0.25 | JR-T-080-M3 | JR-T-080-M10 | JR-T-080-M25 | | | |
| | 0.50 | JR-T-082-M3 | JR-T-082-M10 | JR-T-082-M25 | | | |
| | 0.75 | JR-T-083-M3 | JR-T-083-M10 | JR-T-083-M25 | | | |
| 1/8" | 1.00 | JR-T-085-M3 | JR-T-085-M10 | JR-T-085-M25 | | | |
| | 1.59 | JR-T-086-M3 | JR-T-086-M10 | JR-T-086-M25 | | | |
| | | 1 m | | 3 m | | | |
| | ID (mm) | Product No. | Product No. | | | | |
| 3.0 mm | 1.0 | JR-T-087-M1 | JR-T-087-M3 | | | | |
| 6.0 mm | 4.0 | JR-T-088-M1 | JR-T-088-M3 | | | | |

TECH TIP

- When selecting tubing for low pressure applications, give careful consideration to gas permeability characteristics.
- Use PFA instead of PTFE if gas permeability is an issue.

PFA tubing

PFA (perfluoroalkoxy) tubing from VICI Jour has excellent chemical stability and mechanical strength. 1/16" OD high purity tubing has a maximum pressure rating of up to 100 bar (1450 psi), while 1/8" OD tubing can be used at up to 72 bar (1050 psi).

Always use PFA instead of PTFE if gas permeability is an issue.

| Qty/pkg: | | 1 m | | 3 m | | 10 m | | 25 m | |
|-----------|---------|----------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|
| Tubing OD | ID (mm) | Product No. | Product No. | Product No. | Product No. | Product No. | Product No. | Product No. | Product No. |
| 360 µm | 50 µm | JR-T-43650-M1 | JR-T-43650-M3 | | | | | | |
| | 75 µm | JR-T-43675-M1 | JR-T-43675-M3 | | | | | | |
| | 100 µm | JR-T-436100-M1 | JR-T-436100-M3 | | | | | | |
| | | 3 m | | 10 m | | 25 m | | | |
| | ID (mm) | Product No. | Product No. | Product No. | Product No. | Product No. | Product No. | | |
| 1/16" | 0.50 mm | JR-T-4001-M3 | JR-T-4001-M10 | JR-T-4001-M25 | | | | | |
| | 0.75 mm | JR-T-4002-M3 | JR-T-4002-M10 | JR-T-4002-M25 | | | | | |
| | 1.00 mm | JR-T-4007-M3 | JR-T-4007-M10 | JR-T-4007-M25 | | | | | |
| 1/8" | 1.59 mm | JR-T-4003-M3 | JR-T-4003-M10 | JR-T-4003-M25 | | | | | |
| | | per meter | | | | | | | |
| | ID (mm) | Product No. | | | | | | | |
| 1/8" | 1.70 mm | JR-T-4005 | | | | | | | |
| 3/16" | 3.20 mm | JR-T-4009 | | | | | | | |
| 1/4" | 4.35 mm | JR-T-4004 | | | | | | | |



High pressure fittings

POLYMERIC



HIGH PRESSURE FITTINGS ■ POLYMERIC

PEEK unions

SPECS

- For 1/16" OD tubing
- Material: PEEK
- 10-32 threads
- Pressure rating: <350 bar (5000 psi)
(Varies with tubing material and ID)

- Easy connection of transfer/solvent lines
- Low dead volume
- Completely inert and biocompatible

VICI Jour PEEK unions are usable with most common organic and inorganic HPLC solvents without risking corrosion, metal contamination, or protein degradation that might occur with stainless steel.

Small diameter bores are used to ensure low dead volume connections. These unions have the standardized Valco fitting details with smooth transition of the taper into the threaded part. Connections to these PEEK unions can be made with any 10-32 fitting that uses polymeric ferrules.

PEEK unions are available in body-only versions as well as complete with our PEEK one-piece fingertight fittings ready to connect to any 1/16" OD tubing.

| | Bore (mm) | Qty/pkg | Product No. |
|---------------|-----------|---------|-------------|
| Union | 0.25 | 1 | JR-1061 |
| with fittings | 0.50 | 1 | JR-1066 |
| | 0.75 | 1 | JR-1067 |
| Body only | 0.25 | 1 | JR-061 |
| | 0.50 | 1 | JR-066 |
| | 0.75 | 1 | JR-067 |

| replacement fittings | Qty/pkg | Product No. |
|---|---------|-------------|
| PEEK 1/16" one-piece fingertight fittings, 10-32, black | 5 | JR-55021-5 |



One-piece fittings ■ Fingertight

HIGH PRESSURE FITTINGS ■ POLYMERIC

PEEK one-piece fingertight fittings – color-coded

SPECS

- For 1/16" OD tubing
- Material: PEEK
- 10-32 threads
- Tolerance: ±0.05 mm (.002")
- Pressure rating: <350 bar (5000 psi) (Varies with tubing material and ID)

- Fingertight up to 350 bar (5000 psi)
- Excellent chemical and mechanical properties
- One-piece – no ferrule required
- Biocompatible

Our PEEK fingertight fittings are available in six colors, for easy identification of tubing lines. They are rated to 350 bar (5000 psi) and can be used in virtually any type of 10-32 thread HPLC fitting detail on the market.

Sold in packages of 5.

| Color | Product No. |
|---------|-------------|
| Natural | JR-55020-5 |
| Black | JR-55021-5 |
| Red | JR-55022-5 |
| Yellow | JR-55023-5 |
| Blue | JR-55024-5 |
| Green | JR-55025-5 |



PEEK one-piece fingertight fittings

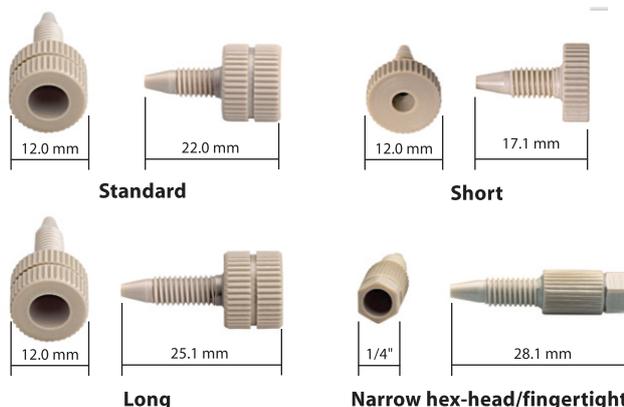
SPECS

- For 1/16" OD tubing
- Material: PEEK
- 10-32 threads
- Tolerance: ±0.05 mm (.002")
- Pressure rating: <350 bar (5000 psi) (Varies with tubing material and ID)

- Natural PEEK versions fingertight up to 350 bar (5000 psi)
- One-piece – no ferrule required
- Biocompatible
- Four styles, machined for extra precision

Sold in packages of 5.

| Description | Product No. |
|-----------------------------|-------------|
| Standard | JR-5502-5 |
| Short | JR-5504-5 |
| Long | JR-5507-5 |
| Narrow hex-head/fingertight | JR-5508-5 |



TECH TIP

Coloration pigments are carefully chosen so as to contain no heavy metals or hazardous chemicals.

Tees • Crosses

HIGH PRESSURE FITTINGS • POLYMERIC

PEEK tees and crosses

SPECS

- For 1/16" OD tubing
- Material: PEEK
- 10-32 threads
- Body size: 25.0 mm OD, 12.0 mm thick
- Pressure rating: <350 bar (5000 psi) (Varies with tubing material and ID)

- Easy connection of transfer/solvent lines
- Low dead volume
- Completely inert and biocompatible

The 100% PEEK flowpath makes VICI Jour PEEK tees and crosses usable with most common organic and inorganic HPLC solvents without risking corrosion, metal contamination, or protein degradation that might occur with stainless steel.

Small diameter through-holes are used to ensure low dead volume connections. These unions have the standardized Valco fitting details with smooth transition of the taper into the threaded part. Connections to these PEEK tees and crosses can be made with any 10-32 fitting that uses polymeric ferrules.

PEEK tees and crosses are available in body-only versions as well as complete with our PEEK one-piece fingertight fittings ready to connect to any 1/16" OD tubing.

| | Bore (mm) | Qty/pkg | With fittings Product No. | Body only Product No. |
|-------|-----------|---------|------------------------------|--------------------------|
| Tee | 0.25 | 1 | JR-1030 | JR-2030 |
| | 0.50 | 1 | JR-1032 | JR-2032 |
| | 0.75 | 1 | JR-1033 | JR-2033 |
| Cross | 0.25 | 1 | JR-1040 | JR-2040 |
| | 0.50 | 1 | JR-1042 | JR-2042 |
| | 0.75 | 1 | JR-1043 | JR-2043 |

| replacement fittings | Qty/pkg | Product No. |
|---|---------|-------------|
| PEEK 1/16" one-piece fingertight fittings, 10-32, black | 5 | JR-55021-5 |



Biocompatible mixing tee

SPECS

- For 1/16" OD tubing
- Material: PEEK
- 10-32 threads
- Pressure rating: <350 bar (5000 psi) (Varies with tubing material and ID)

- High pressure gradient mixing
- Post column reactions
- Completely biocompatible
- Built-in protein-friendly titanium filter, 10 µm

A unique, more thorough mixing results from the turbulence generated by the introduction angle of the solvents as well as by the flow through our titanium filter element. The biocompatible tee can be used for high pressure gradient mixing as well as for post column reactions.

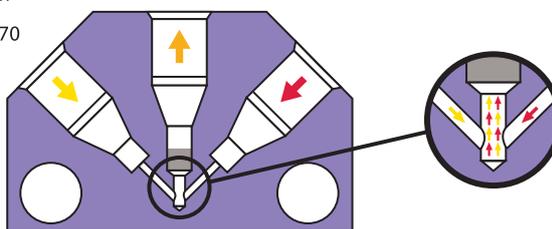


TECH TIP

Use our color-coded one-piece fingertight fittings for easy solvent line identification. 20



Mixing tee with fittings
Product No. JR-9000-0670



The two solvent streams are well-mixed in the vortex mixing chamber

Filters

AND MOBILE PHASE FILTERS



Mobile phase filters ■ Low pressure

FILTERS

Last Drop mobile phase filters

- No loss of mobile phase
- Biocompatible PTFE frits or stainless steel frits
- Three porosity options
- Two connector types: stepped tubing and 1/4-28 fitting



The Last Drop mobile phase filter allows more analyses per batch of mobile phase and helps reduce hazardous waste. The flat filter element sits parallel to the bottom of the reservoir, allowing the Last Drop to filter all but the last 2% of the mobile phase from the reservoir without drawing air into the system. Compare this with conventional cylindrical filters that can begin to draw air into the system when nearly 10% of the solvent remains in the reservoir.

The Last Drop mobile phase filter consists of a 316 stainless steel, PTFE 2.5 µm, or a hydrophobic PE filter element pressed into an inert PTFE housing. The top of the housing has a 1/4-28 nut and ferrule or a stepped PEEK fitting connector which slips into 1.5, 2.2, or 3.5 mm ID pump inlet lines.

Low pressure

SPECS

- Materials
 - Body: PTFE
 - Frits: PTFE/316 SS/PE
- Stepped tubing version is for 1.5, 2.2, and 3.5 mm ID tubing
- Fitting version (for 1/8" OD tubing) includes PEEK 1/4-28 nut with ETFE ferrule

| Connector type: | | | Stepped tubing connector | Fitting connector |
|-----------------|-----------|---------------------|--------------------------|-------------------|
| Filter material | Pore size | Maximum flow rate * | Product No. | Product No. |
| PTFE | 2.5 µm | 1.2 ml/min | JR-9000-0520 | JR-9000-0520F |
| | 5 µm | 2.6 ml/min | JR-9000-0521 | JR-9000-0521F |
| | 10 µm | 3.5 ml/min | JR-9000-0522 | JR-9000-0522F |
| Polyethylene | 10 µm | 11 ml/min | JR-9000-0522H | JR-9000-0522HF |
| Stainless | 2 µm | 28 ml/min | JR-9000-0530 | JR-9000-0530F |
| | 5 µm | 30 ml/min | JR-9000-0531 | JR-9000-0531F |
| | 10 µm | 30 ml/min | JR-9000-0532 | JR-9000-0532F |



Mobile phase filters ■ Low pressure

FILTERS



- Ideal for helium sparging
- Four porosities
- Fitting and pipe connectors

VICI Jour mobile phase filters protect HPLC systems from small particles in the mobile phase. These filters are made from SS316 with PEEK or PTFE connectors and are suitable for most solvents. The complete line has versions for both analytical and preparative applications.

VICI Jour helium spargers (2 µm versions) offer an inexpensive way to prepare and maintain mobile phases free of dissolved gases. Connected to a regulated supply of helium gas (0-400 mL/min.) they effectively remove dissolved oxygen, nitrogen, and other atmospheric gases from the mobile phase.

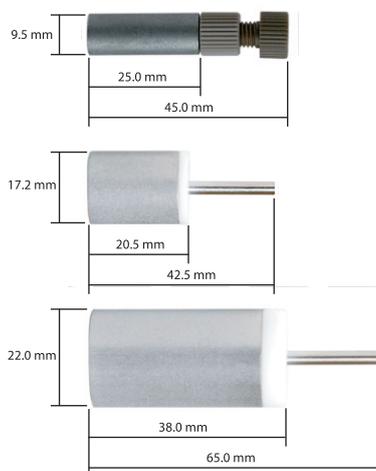
SPECS

- Materials
- Body: SS316
- Pipe: SS316
- Pipe adapter: PTFE
- Fitting adapter: PEEK
- Fittings: PEEK
- Ferrules: ETFE

TECH TIPS

- We recommend metal free PTFE filters for sensitive biochromatography applications where metal surfaces may corrode or interact with samples.
- We recommend our impermeable tubing to prevent "regassing" of helium-degassed solvents.

| Fitting type | Tubing/ pipe size | Pore size | Maximum flow rate * | Product No. |
|----------------|-------------------|-----------|---------------------|--------------|
| 1/4-28 fitting | 1/16" | 2 µm | 35 ml/min | JR-367016-2 |
| | | 10 µm | 35 ml/min | JR-367016-10 |
| | | 20 µm | 35 ml/min | JR-367016-20 |
| | | 2 µm | 35 ml/min | JR-367008-2 |
| Pipe | 1/8" | 10 µm | 100 ml/min | JR-367008-10 |
| | | 20 µm | 120 ml/min | JR-367008-20 |
| | | 2 µm | 95 ml/min | JR-3675-2 |
| Pipe | 1/8" | 2 µm | 50 ml/min | JR-3678-2 |
| | | 25 µm | 100 ml/min | JR-3678-25 |



PEEK precolumn filter kit ■ High pressure

FILTERS



Peek precolumn filter kit

- 100% biocompatible
- Minimal hold-up volume
- Replaceable metal-free polyethylene frits and biocompatible titanium frits encased in PEEK
- Different porosities

The VICI Jour precolumn filter kit has a standard 10-32 fitting and fits direct to most column types without introducing additional dead volume.

The filter kit protects expensive columns against fine particles, which may otherwise accumulate on the column frit and lead to split peaks and high backpressure.

HPLC

SPECS

- Materials
- Body: PEEK
- Frit: Titanium, Polyethylene
- 0.25/0.4 mm bore
- 10-32 threads
- Pressurizing: <350 bar (< 5000 psi)

Replacement frits

for PEEK in-line and precolumn filter kits

Replacement frits for PEEK precolumn filter kit and PEEK in-line filter kit (see facing page).

| Frit material | Pore size | Internal volume (µL) * | Qty/pkg | Product No. |
|---------------|-----------|------------------------|---------|---------------|
| Titanium | 0.5 µm | 6.87 | 5 | JR-1125-05P-5 |
| | 2 µm | 9.24 | 5 | JR-1125-2P-5 |
| | 5 µm | 10.04 | 5 | JR-1125-5P-5 |
| | 10 µm | 10.56 | 5 | JR-1125-10P-5 |
| Polyethylene | 10 µm | 11.31 | 5 | JR-1151-10P-5 |

Sold individually.

| Frit material | Pore size | Internal volume (µL) * | Maximum flow rate ** | Product No. |
|---------------|-----------|------------------------|----------------------|-------------|
| Titanium | 0.5 µm | 11.5 | 30 ml/min | JR-68258 |
| | 2 µm | 13.85 | 30 ml/min | JR-68262 |
| | 5 µm | 14.7 | 30 ml/min | JR-68263 |
| | 10 µm | 15.2 | 30 ml/min | JR-68264 |
| Polyethylene | 10 µm | 15.9 | 30 ml/min | JR-68264P |

PEEK in-line filter kits ■ High pressure

FILTERS

PEEK in-line filter kit

HPLC

SPECS

- For 1/16" OD tubing
- Materials
Body: PEEK
Frit: Titanium, Polyethylene
- 0.25/0.4 mm bore
- 10-32 threads
- Pressurating:
<350 bar
(< 5000 psi)

- Replaceable metal-free polyethylene frits and biocompatible titanium frits
- 100% biocompatible
- Minimal hold-up volume
- Different porosities

The PEEK in-line filter traps fines and other particles from samples and mobile phases before they damage valuable instruments and columns.

This female-to-female design is made entirely of PEEK, with PEEK-encased titanium or polyethylene filter elements, for biocompatibility and chemical resistance. The design has virtually no hold-up volume and can be used in analytical applications with virtually no band broadening or loss of efficiency.

Sold individually.

| Frit material | Pore size | Internal volume (µL) * | Maximum flow rate ** | Product No. |
|---------------|-----------|------------------------|----------------------|-------------|
| Titanium | 0.5 µm | 9.50 | 25 ml/min | JR-68247 |
| | 2 µm | 11.85 | 30 ml/min | JR-68253 |
| | 5 µm | 12.7 | 30 ml/min | JR-68256 |
| | 10 µm | 13.2 | 30 ml/min | JR-68257 |
| Polyethylene | 10 µm | 13.9 | 30 ml/min | JR-68257PE |



Sure-Guard in-line filter kit

HPLC

SPECS

- Materials
Body: PEEK
Frit: Stainless, Titanium
- 0.4 mm bore
- 10-32 female to 10-32 male threads
- Pressurating:
<350 bar
(< 5000 psi)

- Disposable filter guard
- Minimal hold-up volume
- Titanium (biocompatible) and stainless steel frits, permanently pressed in place
- Two porosity options

The VICI Jour Sure-Guard disposable in-line filter offers an easy and inexpensive way to protect valuable columns against fines and particles. It is easily connected directly to any column, with an inlet for 1/16" OD tubes and 10-32 threads. The VICI Jour Sure-Guard can be changed in seconds without tools.

Sold in packages of three. Waters type filter kits are sold individually.

| Frit material | Pore size | Internal volume * | Maximum flow rate ** | Product No. | Product No. Waters type |
|-----------------|-----------|-------------------|----------------------|----------------|----------------------------|
| Stainless steel | 0.5 µm | 0.45 µL | 30 ml/min | JR-0611-SS05-3 | JR-0641-SS05 |
| | 2 µm | 0.61 µL | 30 ml/min | JR-0611-SS2-3 | JR-0641-SS2 |
| Titanium | 0.5 µm | 0.45 µL | 30 ml/min | JR-0611-TI05-3 | JR-0641-TI05 |
| | 2 µm | 0.61 µL | 30 ml/min | JR-0611-TI2-3 | JR-0641-TI2 |



Stainless steel precolumn filter - UHPLC

FILTERS

Stainless steel precolumn filter **NeW** **UHPLC**

SPECS

- Materials
 - Body: 316 SS
 - Frit: PEEK-encased SS
- 10-32 threads
 - Female for inlet
 - Male for outlet
- Pressure rating with ZN1 nut and ZF156 ferrule: 1375 bar (20,000 psi)

- UHPLC
- Minimized hold-up volume
- Three porosity options
- Fewer connections compared to in-line filters
- Works with 1/16" column connections from all manufacturers

VICI Jour's new stainless steel precolumn filter is based on our well-known in-line filter. The design of this precolumn filter reduces the number of connections compared to a standard in-line filter, increasing the stability and reducing the potential of leakage.

The small bore sizes (0.15 mm in the nut/body and 0.13 mm in the tubing) guarantee a very small (virtually zero) hold-up volume.

With minimal dead-volume and available with three porosities, these filters are the best column protectors.

| Bore size | Pore size | Internal volume | Product No. |
|--------------|-----------|-----------------|-------------|
| 0.13/0.15 mm | 0.5 µm | 0.61 µL | JR-69230-05 |
| | 2 µm | 0.66 µL | JR-69230-2 |
| | 5 µm | 0.68 µL | JR-69230-5 |



Inlet nuts and ferrules

Includes one 1/16" stainless nut and one 1/16" stainless ferrule.

| Pore size | Product No. |
|-----------|-------------|
| 0.5 µm | JR-69330-05 |
| 2 µm | JR-69330-2 |
| 5 µm | JR-69330-5 |

Replacement PEEK-encased SS frits

| Pore size | Frit volume | Qty/pkg | Product No. |
|-----------|-------------|---------|---------------|
| 0.5 µm | 0.13 µL | 5 | JR-1110-05P-5 |
| 2 µm | 0.18 µL | 5 | JR-1110-2P-5 |
| 5 µm | 0.20 µL | 5 | JR-1110-5P-5 |



Stainless steel filters - UHPLC

FILTERS

Stainless steel in-line filter

- UHPLC (up to 1375 bar / 20,000 psi)
- Minimized hold-up volume
- Two bores for analytical and semi-prep flow rates
- Three porosity options



The stainless steel in-line filter has virtually no hold-up volume and can be used in various applications without significant band broadening or loss of efficiency.

The 0.25 mm bore versions are intended for analytical use between autosampler/injection valve and column. The 0.75 mm bore versions are suitable for higher flow rates in semi-prep systems or for solvent supply from pump to autosampler.

With minimal dead volume and available frit porosities of 0.5, 2 or 5 µm, these in-line filters are the ideal column protectors

Nuts and ferrules

Includes one 1/16" stainless nut and one 1/16" stainless ferrule.

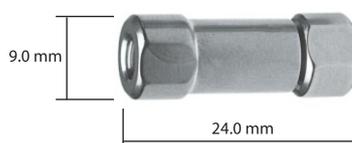
| Bore size | Pore size | Product No. volume * |
|-----------|-----------|----------------------|
| 0.25 mm | 0.5 µm | JR-68330-05 |
| | 2 µm | JR-68330-2 |
| | 5 µm | JR-68330-5 |
| 0.75 mm | 0.5 µm | JR-68331-05 |
| | 2 µm | JR-68331-2 |
| | 5 µm | JR-68331-5 |

Replacement PEEK-encased SS frits

| Bore size | Pore size volume | Frit | Qty/pkg | Product No. |
|-----------|------------------|---------|---------|---------------|
| 0.25 mm | 0.5 µm | 0.13 µL | 5 | JR-1110-05P-5 |
| | 2 µm | 0.18 µL | 5 | JR-1110-2P-5 |
| | 5 µm | 0.20 µL | 5 | JR-1110-5P-5 |
| 0.75 mm | 0.5 µm | 0.55 µL | 5 | JR-1111-05P-5 |
| | 2 µm | 0.74 µL | 5 | JR-1111-2P-5 |
| | 5 µm | 0.80 µL | 5 | JR-1111-5P-5 |
| | 10 µm | 0.87 µL | 5 | JR-1111-10P-5 |

Sold individually.

| Bore size | Pore size | Internal volume * | Product No. |
|-----------|-----------|-------------------|-------------|
| 0.25 mm | 0.5 µm | 0.2 µL | JR-68230-05 |
| | 2 µm | 0.3 µL | JR-68230-2 |
| | 5 µm | 0.3 µL | JR-68230-5 |
| 0.75 mm | 0.5 µm | 1.7 µL | JR-68231-05 |
| | 2 µm | 1.9 µL | JR-68231-2 |
| | 5 µm | 1.9 µL | JR-68231-5 |



Tubing accessories and tools

ACCESSORIES • TOOLS • STARTER KITS

Clean-Cut tubing cutter

for polymeric tubing

- Cuts PEEK, PTFE, ETFE, and other polymeric tubing
- No distortion to OD or ID
- Ideal for the most demanding LC applications
- Safety lock secures the blade

Right angles and clean cuts are essential in LC to avoid leaks and dead volume. This handy tool makes it easy to get burr-free, perpendicular ends on polymeric tubing 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 and unique safety locking mechanism allow every chromatographer to keep one in their pocket.

Description *Product No.*

Clean-Cut tubing cutter JR-797
Replacement blade JR-798



Guillotine tubing cutter

for polymeric tubing

- Cuts PEEK, PTFE, ETFE, and other polymeric tubing
- Ideal for less demanding LC applications

Description *Product No.*

Guillotine tubing cutter JR-794
Replacement blade JR-795



Stainless steel tubing cutter – cutting wheel type

- For 1/16" and 1/8" SS tubing
- Leaves smooth, uniform cuts
- Minimal deburring and/or reaming required
- Easy replacement of the cutting wheel

This is the ideal tool for cutting 1/16" and 1/8" stainless steel tubing, leaving smooth, uniform cuts requiring a minimum of deburring and/or reaming. The easily replaced cutting wheel scores tubing, leaving cuts which allow tube-to-tube and tube-to-frit connections.

Description *Product No.*

Tubing cutter for metal tubing JR-792
Replacement cutting wheel JR-793



Stainless steel tubing cutter – plier type

- For easy cutting of 1/16" tubing off a coil
- Reach "hard-to-get" places in an HPLC system
- Delivered in a plastic sheath

These pliers can be used for quick cuts for non-critical applications or at "hard to get" places. However, for scientific equipment, we strongly recommend our pre-cut and cleaned stainless tubing.

Description *Product No.*

Tubing pliers for metal tubing JR-796