



## VICI Jour - PEEK Columns and Guard Columns

### VICI JOUR PRODUCTS

Tubing for chromatography

High pressure fittings

- Nanovolume
- Stainless steel
- Polymeric

Low pressure fittings

Filters & mobile phase filters

Mobile phase handling systems

Frits

PEEK columns & guard columns

Sample loops

Accessories/miscellaneous

### PEEK Columns – 2.1 mm ID

- Biocompatible
- For high pressure applications (210 bar/3000 psi)
- Packing devices available

This column is designed for narrow-bore applications, or those with a limited amount of sample available for analysis. Because 2.1 mm ID columns operate at 1/5 of the flow rate of their 4.6 mm counterparts, a sample mass injected on a 2.1 mm column will produce five times the detector signal of the same amount injected on a 4.6 mm column. Said another way, 20% of the sample volume will give the same signal. Only PEEK and PAT contact the fluid stream.



### PEEK Columns - 2.1 mm ID

Tolerances:  $\pm 0.05$  mm (.002")

Length (mm)	Product No.
30	JR-65001
50	JR-65002
100	JR-65003
150	JR-65005
250	JR-65006

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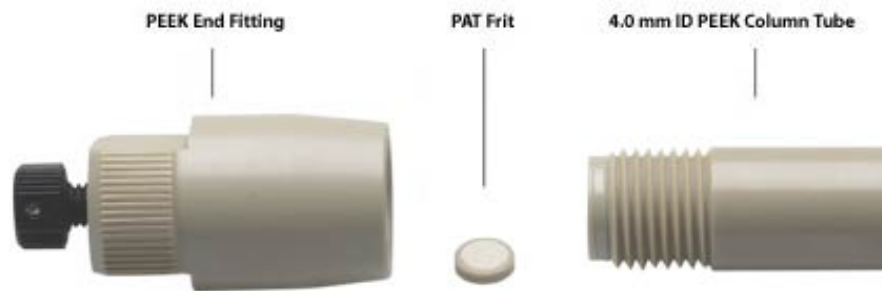
### CUSTOMER SUPPORT

## PEEK Columns – 4.0 mm ID

- Biocompatible
- For high pressure applications (350 bar/5000 psi continuous\*)
- Packing devices available

Today's HPLC and IC applications are more demanding than ever. The limitations of traditional stainless steel pose significant problems for a growing number of important biotechnology and ion chromatography applications. With our PEEK columns, only PEEK and PAT contact the fluid stream.

\*Pressure can go to 560 bar (8000 psi) during packing



## PEEK Columns - 4.0 mm ID

Tolerances:  $\pm 0.05$  mm (.002")

Length (mm)	Product No.
50	JR-68181
100	JR-68182
125	JR-68183
150	JR-68184
250	JR-68185
300	JR-68186

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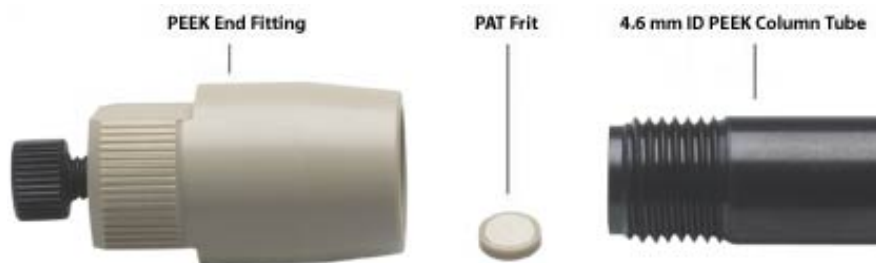
Accessories/miscellaneous

### PEEK Columns – 4.6 mm ID

- Biocompatible
- For high pressure applications (350 bar/5000 psi continuous\*)
- Packing devices available

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\*Pressure can go to 560 bar (8000 psi) during packing



### PEEK Columns - 4.6 mm ID

Tolerances: ± 0.05 mm (.002")

Length (mm)	Product No.
50	JR-66175
100	JR-66176
125	JR-66180
150	JR-66177
250	JR-66178
300	JR-66179

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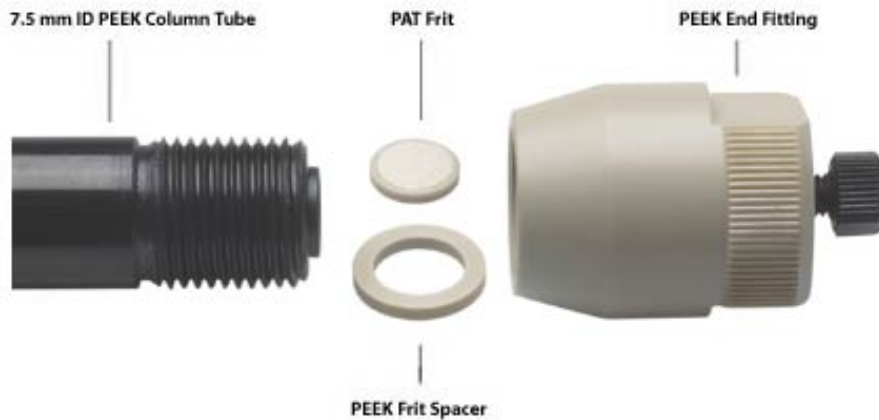
Accessories/miscellaneous

### CUSTOMER SUPPORT

### PEEK Columns – 7.5 mm ID

- Ideal for semi-prep biochromatography
- Rated at 350 bar/5000 psi
- Packing devices available

Low protein binding ensures high recovery and accurate quantification. The basic column design, shown in the photo below, consists of a length of threaded PEEK tubing and two PEEK end fittings, with the packed bed held in place by two PAT frits. Connections are made through PEEK inlet and outlet fittings which accept 1/16" OD tubing and standard fingertight fittings.



### PEEK Columns - 7.5 mm ID

Tolerances: ± 0.05 mm (.002")

Length (mm)	Product No.
50	JR-67202
75	JR-67222
100	JR-67204
150	JR-67206
250	JR-67208
300	JR-67220

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### CUSTOMER SUPPORT

## PEEK Columns – Packing Devices and Spare Parts

Our Packing Kits are "ready-to-use" tools to pack our PEEK columns. Every kit consists of the needed slurry reservoir, packing adapter, packing seals, etc.

Description	Column ID	Product No.
Packing kit	2.1 mm	JR-67-250-2
	4.0 mm	JR-67-250-4
	4.6 mm	JR-67-250-4
	7.5 mm	JR-67-600
PEEK end fitting:	2.1 mm	JR-062
	4.0 mm	JR-66140
	4.6 mm	JR-66140
	7.5 mm	JR-67140
5 µm PAT frit (PEEK-encased)	2.1 mm	JR-9000-0477
	4.0 mm	JR-68152
	4.6 mm	JR-68152
	7.5 mm	JR-67152
PEEK frit spacer	7.5 mm	JR-67190
PEEK packing adapter	2.1 mm	JR-67140-1A
	4.0 mm	JR-67140-2B
	4.6 mm	JR-67140-2B
	7.5 mm	JR-67140-3A
Replacement packing seal	2.1 mm	JR-65011
	4.0 mm	JR-66158
	4.6 mm	JR-66158



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### In-Line Biocompatible Guard Column

- Biocompatible
- Rated to 350 bar (5000 psi)
- Easy to fill – packing device available

The VICI Jour in-line PEEK guard column system extends the life of valuable analytical columns by trapping contaminants from the sample and mobile phase, thereby preventing loss of retention.

Only PEEK and PAT contact the mobile phase and sample, so the system is ideal for use with proteins or other biopolymers that may be contaminated or absorbed by metal surfaces. VICI Jour guard columns can be easily dry packed or slurry packed, and can be changed in minutes without the use of tools.



The packing kit consists of a slurry reservoir, packing adapter, packing seals, etc. – everything needed to pack the guard column.

### In Line PEEK Guard Column

Description	Product No.
Guard cartridge, complete with one cartridge	JR-68252
Extra guard cartridge, complete with 2 5 µm PAT frits	JR-68242
Replacement 5 µm PAT frit for guard cartridge	JR-6145-6188
Packing seal	JR-9
Packing kit	JR-27305



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### CUSTOMER SUPPORT

### Column Coupler – One-Piece, Fingertight

- Zero dead volume connections
- Self-adjusts to fit all column designs
- Biocompatible PEEK construction
- Four bore sizes

The unique feature of the VICI Jour column coupler is that it adjusts to fit all 10-32 fitting types. No matter what the fitting type and pilot length – Valco®, Waters®, Upchurch®, Rheodyne®, etc., the coupler adapts to bottom out in the pilot automatically, consequently creating only small void volumes. The column coupler is fingertight to 350 bar (5000 psi).



### One-Piece Fingertight Column Coupler

Bore	Color	Product No.
0.13 mm	Red	JR-26501
0.17 mm	Yellow	JR-26502
0.25 mm	Blue	JR-26503
0.50 mm	Orange	JR-26504

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### Column End Plugs

- Seals and protects analytical columns
- One size fits all
- With wrench flats

These nylon column end plugs have a fingertight design, but also have a 5/16" wrench flat in case the plug should ever become stuck. One size fits all columns with 10-32 threads. The long design and the threading down to the ferrule ensure a safe closure of valuable columns.



### CUSTOMER SUPPORT

### Column End Plugs

Color	Qty/pkg	Product No.
White	10	JR-4071-10
Black	10	JR-4072-10
Red	10	JR-4073-10
Green	10	JR-4074-10
Blue	10	JR-4075-10

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