## SNWOTO

### COLUMNS



**PEEK COLUMNS • GUARD COLUMNS** 

#### **COLUMNS INDEX**

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This PEEK guard column system extends the life of valuable analytical columns by trapping contaminants from the sample and mobile phase. Only PEEK and titanium contact the mobile phase and sample.

#### **COLUMN COUPLERS AND PLUGS**

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COLUMNS



#### SPECIFICATIONS

MATERIAL PEEK, black and natural

TOLERANCES

±0.05 mm (.002")
PRESSURE RATING (MAXIMUM)

210 bar (3000 psi)

During packing, using a VICI Jour packing kit: 350 bar (5000 psi) PEEK columns 2.1 mm ID

Biocompatible

• High pressure applications

• Packing devices available

We have designed this column for narrow-bore applications, and for those when a limit amount of sample is available for analysis.

Because 2.1 mm ID columns operate at 1/5th of the flow rate of their 4.6 mm counterparts, the same sample mass injected on a 2.1 mm column will increase the detector signal response by a factor of 5. This greater mass sensitivity provides the same analysis as on a 4.6 mm column with only 20% of the sample.

All our columns are delivered without frits. Purchase frits separately.

	Length	Qty/pkg	Product No.
2.1 mm ID	30 mm	1	JR-65001NF
PEEK columns	50 mm	1	JR-65002NF
	100 mm	1	JR-65003NF
	150 mm	1	JR-65005NF
	250 mm	1	JR-65006NF
Spare parts			
Column end fitting		1	JR-062-C
PEEK-encased frit	Titanium, 5 μm	5	JR-1128-5P-5
	Polyethylene, 10 μm	5	JR-1150-10P-5



#### PEEK columns 4.0 mm ID

#### **SPECIFICATIONS**

MATERIAL
PEEK, black and natural
TOLERANCES

±0.05 mm (.002")

**PRESSURE RATING (MAXIMUM)** 350 bar (5000 psi)

During packing, using a VICI Jour packing kit: 350 bar (5000 psi)

Biocompatible

• High pressure applications

Packing devices available

Today's HPLC and IC applications are more demanding than ever. The limitations of traditional stainless steel cause significant problems for a growing number of important biotechnology and ion chromatography applications.

All our columns are delivered without frits. Purchase frits separately.

	Length	Qty/pkg	Product No.
4.0 mm ID	50 mm	1	JR-68181NF
PEEK columns	100 mm	1	JR-68182NF
	125 mm	1	JR-68183NF
	150 mm	1	JR-68184NF
	250 mm	1	JR-68185NF
	300 mm	1	JR-68186NF
Spare parts			
Column end fitting		1	JR-66140
PEEK-encased frit	Titanium, 5 μm	5	JR-1125-5P-5
	Polyethylene, 10 μm	5	JR-1151-10P-5



Column packing kit....92
PEEK-encased frits
Titanium ........89
Polyethylene frits ....89





#### In-line biocompatible guard column

- Biocompatible
- Easy to fill
- Packing device for do-it-yourself packing 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 titanium contact the mobile phase and sample. This system is ideal for use with proteins or other biopolymers that may be contaminated or absorbed by steel surfaces. VICI Jour guard columns can be 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.

Guard column system includes:

- Guard column cartridge
- 2 Titanium frits
- Housing

 O-ring Guard column cartridge includes:

- Guard column cartridge
- 2 Titanium frits (

(2 μm or 5 μm)		ım)	
		Qty/pkg	Product No.
n	2 μm	1	JR-68252TI2
	F	1	ID COSESTI

Guard column system	2 μm	1	JR-68252TI2
	5 μm	1	JR-68252TI
Guard cartridge with	2 μm	1	JR-68242TI2
2 frits	5 μm	1	JR-68242TI
Spare parts			
Replacement CTFE packing seal		1	JR-9

#### **SPECIFICATIONS**

MATERIAL PEEK, titanium PRESSURE RATING < 350 bar (< 5000 psi)





#### **Packing kits**

VICI Jour column packing kits are ready-to-use tools to pack our PEEK columns and PEEK guard columns. Every kit consists of the needed slurry reservoir, packing adapter, and packing seals.

#### Product No

Product No.			
For 2.1 mm ID columns			
JR-67-250-2A			
JR-67140-1B			
JR-65011			
JR-67-250-4			
JR-67140-2B			
JR-66158			
For in-line biocompatible guard columns			
JR-27305			
JR-9			

#### **SPECIFICATIONS**

#### MATERIAL PEEK

#### PRESSURE RATINGS

During packing, using a VICI Jour packing kit:

Column Packing ID pressure 2.1 mm 350 bar

(5000 psi) 4.0 mm 560 bar (8000 psi)

See column pages for operating pressure ratings.

a	TECH	TIP

Our packing kit is a "ready-to-use" tool to pack our PEEK guard cartridges. Every kit consists of the needed slurry reservoir, packing adapter, and packing seals.



This item requires a mechanical press to force the frits into position.



#### SEE ALSO

PEEK columns	
2.1 mm ID 9	)
4.0 mm ID 9	)

COLUMNS



#### **SPECIFICATIONS**

#### MATERIAL

Tubing PEEK
Fittings PEEK
Sleeve PP
(Polypropylene)

THREADS

10-32 male to 10-32 male PRESSURE RATING <350 bar (5000 psi)

#### One-piece fingertight column couplers

- Self-adjusting zero dead volume for all fitting types
- Four bore sizes
- Biocompatible

Choose from a variety of coupler IDs, indicated by the color of the sleeve. A unique feature of this column coupler is that it adapts automatically to fit all pilot lengths – Valco, Waters, Upchurch, Rheodyne, etc. Since the tubing bottoms out in any fitting detail, added void volume is minimal.



Sold individually.

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



(columns not included)

#### SPECIFICATIONS

MATERIAL Nylon

THREADS

10-32 **TOLERANCES** 

±0.05 mm (.002")

#### Column end plugs – logotype

- Customizable with your logo and color (OEM version)
- Same features as column end plugs below

Ensure safe closure of valuable columns with your own customized column end plugs. Easy handling is guaranteed by the 5/16" wrench flat. Fit all columns with 10-32 thread.

Sold in packages of 10.

	Color	Product No.
	White	JR-4081-10
	Black	JR-4082-10
	Red	JR-4083-10
	Green	JR-4084-10
Ì	Blue	JR-4085-10



#### Column end plugs

#### SPECIFICATIONS

THREADS / MATERIAL
10-32 Nylon
6-40 POM
TOLERANCES
±0.05 mm (.002")

- Seal analytical columns
- Fingertight (with wrench flats on 10-32 versions)

Fingertight column end plugs fit all columns with 10-32 threads. Easy handling is guaranteed by an additional 5/16" wrench flat, which allows the plug to be loosened by a wrench if it gets stuck. The long design and threading down to the ferrule ensure safe closing of valuable columns. Sold in packages of 10.

For small columns with 6-40 threads, fingertight (no wrench flat) plugs are available. Sold individually.

Threads	Qty/pkg	Color	Product No.
10-32	10	White	JR-4071-10
		Black	JR-4072-10
		Red	JR-4073-10
		Green	JR-4074-10
		Blue	JR-4075-10
6-40	1	Natural POM	JR-4061





Color-coded PEEK tubing .....10-12