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Disclaimer

The maximum holding pressure for any type of connection involving tubing and a ferrule, varies considerably with the tubing material, the ferrule material, the clearance between tubing OD and ferrule ID and the shape of the fitting detail.

SPECS

Material

PEEK, black and natural Titanium

Dimensions

See chart

Tolerances

+/- 0.05 mm (.002")

Pressure rating

For 2.1 mm ID columns:

210 bar (3000 psi)

For 4.0 mm ID columns:

350 bar (5000 psi)

PEEK Columns

- Biocompatible
- High pressure applications
- Packing devices available

PEEK Columns 2.1 mm ID

We have designed this column for narrow-bore applications and where only limited amounts of sample are 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 produce five times the detector signal. This greater mass sensitivity provides the same analysis as on a 4.6 mm column with only 20% of the sample. These columns are delivered with 2 μ m titanium frits.

Wetted Surfaces: PEEK, Titanium

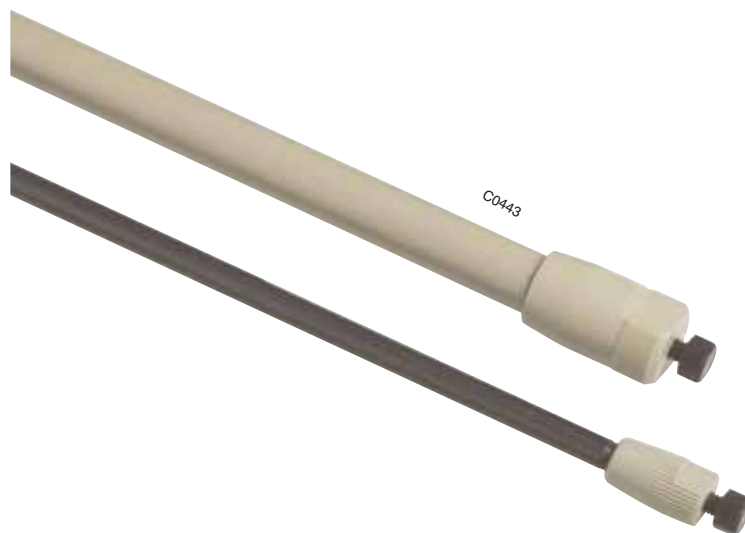
Pressure rating: max. 210 bar (3000 psi), during packing 350 bar (5000 psi) using the VICI Jour Packing Kit JR-67-250-2A

PEEK Columns 4.0 mm ID

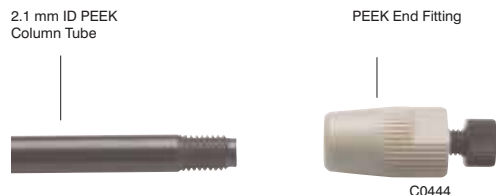
Today's HPLC and IC applications are more demanding than ever. The limitations of traditional stainless steel pose significant problems for a growing number of important biotechnology and ion chromatography applications. These columns are delivered with 2 μ m titanium - PEEK encased frits.

Wetted Surfaces: PEEK and Titanium

Pressure Rating: max. 350 bar (5000 psi), during packing max. 560 bar (8000 psi) using the VICI Jour Packing Kit JR-67-250-4

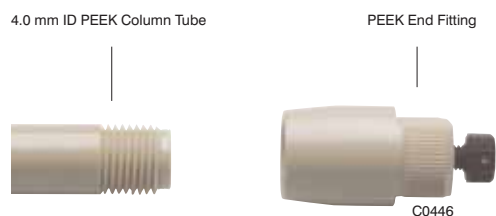


PEEK Columns & Packing Devices



PEEK Columns 2.1 mm ID

Part No.	Description
JR-65001NF	Column, PEEK, 30 x 2.1 mm ID
JR-65002NF	Column, PEEK, 50 x 2.1 mm ID
JR-65003NF	Column, PEEK, 100 x 2.1 mm ID
JR-65005NF	Column, PEEK, 150 x 2.1 mm ID
JR-65006NF	Column, PEEK, 250 x 2.1 mm ID



PEEK Columns 4.0 mm ID

Part No.	Description
JR-68181NF	Column, PEEK, 50 x 4.0 mm ID
JR-68182NF	Column, PEEK, 100 x 4.0 mm ID
JR-68183NF	Column, PEEK, 125 x 4.0 mm ID
JR-68184NF	Column, PEEK, 150 x 4.0 mm ID
JR-68185NF	Column, PEEK, 250 x 4.0 mm ID
JR-68186NF	Column, PEEK, 300 x 4.0 mm ID

Packing Devices

Our Packing Kits are “ready-to-use” tools to pack our PEEK columns.

Packing devices

Part No.	Description
JR-67-250-2A	Packing Kit, PEEK, for 2.1 mm ID columns, complete
JR-67-250-4	Packing Kit, PEEK, for 4.0 mm ID columns, complete

SPECS

Material
PEEK, black and natural Titanium

Dimensions
See chart

Tolerances
+/- 0.05 mm (.002")

Pressure rating
For 2.1 mm ID columns:
210 bar (3000 psi)
For 4.0 mm ID columns:
350 bar (5000 psi)

SPECS

Material
PEEK

Pressure rating
For 2.1 mm ID columns:
210 bar (3000 psi)
For 4.0 mm ID columns:
350 bar (5000 psi)

Special note
Further technical support material is available on our webpage

Packing Devices & Column Coupler One-Piece Fingertight

Spare Parts

Part No.	Description	Qty/pkg
JR-062	Endfitting, PEEK, for 2.1 mm ID columns	1
JR-66140	Endfitting, PEEK, for 4.0 mm ID columns	1
JR-1125-2P-5	Frit, Titanium, PEEK-encased, 2 μm for 4.0 mm ID columns	5
JR-1125-5P-5	Frit, Titanium, PEEK-encased, 5 μm for 4.0 mm ID columns	5
JR-1128-5P-5	Frit, Titanium, PEEK-encased, 5 μm for 2.1 mm ID columns	5
JR-1150-10P-5	Frit, PE, PEEK-encased, 10 μm for 2.1 mm ID columns	5
JR-1151-10P-5	Frit, PE, PEEK-encased, 10 μm for 4.0 mm ID columns	5
JR-67140-1A	Packing adapter, PEEK, for 2.1 mm ID columns	1
JR-67140-2B	Packing adapter, PEEK, for 4.0 mm ID columns	1
JR-65011	Replacement packing seal, PEEK, for 2.1 mm ID columns	1
JR-66158	Replacement packing seal, PEEK, for 4.0 mm ID columns	1

SPECS

Material

Tubing: PEEK
Fittings: PEEK
Sleeve: Polypropylene

Threads

10-32 male to 10-32 male

Pressure rating

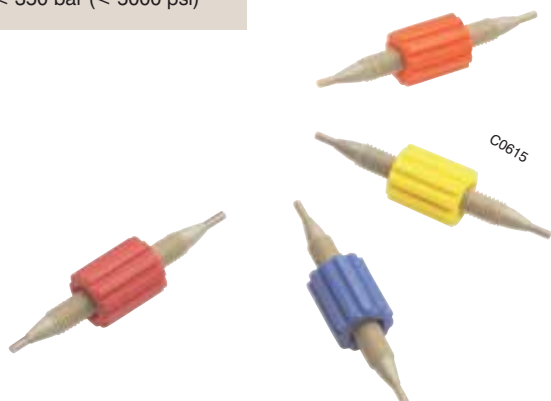
< 350 bar (< 5000 psi)

Column Coupler One-Piece Fingertight

- Zero dead volume connections
- Fits all column designs
- Biocompatible
- Self adjusting
- Four bore sizes
- Various pore sizes and dimensions

The unique feature of the VICI Jour Column Coupler is that its design fits all pilot length, such as Valco®, Waters®, Upchurch®, Rheodyne®, etc. It adapts auto-

matically and bottoms out in any fitting detail and consequently creates only small void volumes.



One-Piece Fingertight Column Coupler

Part No.	Description
JR-26501	Coupler, PEEK, universal 0.13 mm ID, red
JR-26502	Coupler, PEEK, universal 0.17 mm ID, yellow
JR-26503	Coupler, PEEK, universal 0.25 mm ID, blue
JR-26504	Coupler, PEEK, universal 0.50 mm ID, orange

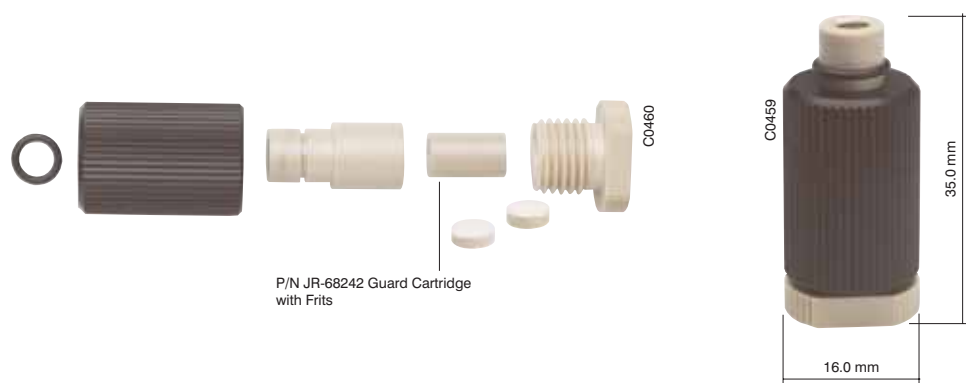
In-Line Biocompatible Guard Column

In-Line Biocompatible Guard Column

- Biocompatible
- Easy to fill
- Packing device for self packing available

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 biopoly-

mers 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.



SPECS

Material
PEEK, Titanium

Dimensions
See illustrations

Pressure rating
< 350 bar (< 5000 psi)

Special note
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, packing seals etc.

Further technical support material is available on our webpage

In-Line PEEK Guard Column

Part No.	Description
JR-68252TI	In-Line guard cartridge holder, PEEK, complete with 1 guard cartridge JR-68242Ti
JR-68252TI2	In-Line guard cartridge holder, PEEK, complete with 1 guard cartridge JR-68242Ti2
JR-68242TI	Column, PEEK, guard cartridge 8.0 x 3.0 mm ID, complete 2 pcs Ti-frit 5 μm
JR-68242TI2	Column, PEEK, guard cartridge 8.0 x 3.0 mm ID, complete 2 pcs Ti-frit 2 μm

Packing Device

Part No.	Description
JR-27305	Packing Kit, PEEK, for In-Line guard cartridge system, complete

Spare Parts

Part No.	Description
JR-F-197-062-5TI	Replacement frit, Titanium, 5 μm for guard cartridge
JR-F-197-062-2TINC	Replacement frit, Titanium, 2 μm for guard cartridge
JR-9	Packing seal, CTFE

Column End Plugs & Column End Plugs, Logotype

SPECS

Material
Nylon

Dimensions
For 10-32 fitting details
Others: see illustration

Tolerances
+/- 0.05 mm (.002")

Column End Plugs

- Seals analytical columns
- One Size - fits all
- With wrench flats

The column end plugs have a fingertight design. One size fits all columns with 10-32 threads. Easy handling is guaranteed by additional 5/16" wrench flat, which al-

lows loosening the plug with a wrench in case it should be stuck. The long design and the threading down to the ferrule ensure a safe closing of valuable columns.



Column End Plugs

Part No.	Color	Qty/pkg
JR-4071-10	Plug, Nylon, column endstopper white, 10-32	10
JR-4072-10	Plug, Nylon, column endstopper black, 10-32	10
JR-4073-10	Plug, Nylon, column endstopper red, 10-32	10
JR-4074-10	Plug, Nylon, column endstopper green, 10-32	10
JR-4075-10	Plug, Nylon, column endstopper blue, 10-32	10

SPECS

Material
Nylon

Dimensions
For 10-32 fitting details

Tolerances
+/- 0.05 mm (.002")

Column End Plugs, Logotype

NEW

- Seals analytical columns
- One size - fits all
- Fingertight
- With wrench flat
- Possibility to place your LOGO on these plugs (OEM version)
- Available in your own color (OEM version)

These new column end plugs have the same function as the type above. Easy handling is guaranteed by the 5/16"

wrench flat. Fit all columns with the 10-32 thread.



Pictures resemble closely.

Column End Plugs, Logotype

Part No.	Color	Qty/pkg
JR-4081-10	Column end plug, Nylon, white, 10-32	10
JR-4082-10	Column end plug, Nylon, black, 10-32	10
JR-4083-10	Column end plug, Nylon, red, 10-32	10
JR-4084-10	Column end plug, Nylon, green, 10-32	10
JR-4085-10	Column end plug, Nylon, blue, 10-32	10