

precision glass chromatography columns





## ***New!* from Omnifit**

Precision borosilicate glass columns for low and medium pressure liquid chromatography

- **Pressure ratings to 1200 psi (80 bar)**
- **Fixed or adjustable height**
- **Robust and easy to use**
- **Solvent resistant**
- **Biocompatible**







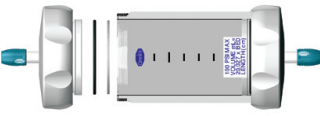

Omnifit's empty glass columns are the perfect solution for most low and mid-pressure liquid chromatography applications. Available with an adjustable endpiece designed for quick and easy height adjustment, they offer the chromatographer a multipurpose column that can be used again and again for a variety of applications.

Each column is supplied ready for use, with all the tubing, fittings and connections needed to get started. The columns can also be easily connected to an existing system. A range of frits with pore sizes down to 10 $\mu$ m is supplied with each column to support beds packed from the finest grade modern media.

The precision bore borosilicate glass and PTFE construction means that the columns can cope with even the harshest laboratory chemicals. Simply replacing the pre-fitted polyethylene frits with a PTFE version, also supplied, results in a totally inert unit.

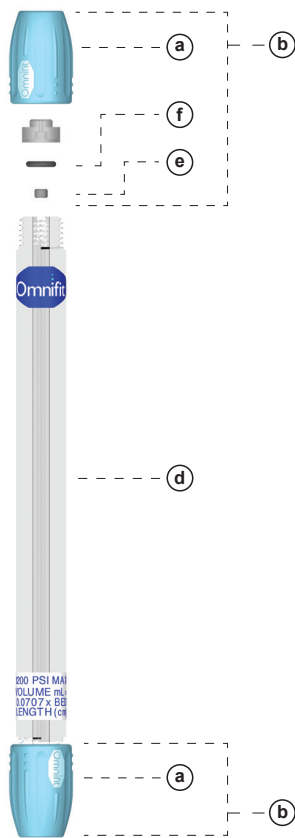
***And all of this is offered as standard!***



- ③ 3.0 mm diameter microbore columns ..... 
- ⑤ 6.6 mm diameter analytical columns ..... 
- ⑦ 10 mm diameter analytical columns ..... 
- ⑨ 15 mm diameter preparative columns ..... 
- ⑪ 25 mm diameter preparative columns ..... 
- ⑬ 35 mm diameter preparative columns ..... 
- ⑮ 50 mm diameter preparative columns ..... 
- ⑰ Chromatography column accessories ..... 
- ⑳ Types of Omnifit fluid connections
- ㉑ Replacement glass columns
- ㉒ Volume chart and Part numbering

# 3.0mm preparative columns

fixed



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal

# 3.0mm column pricing

pressure rated to 1200 psi (82 bar)

## complete columns

part number	description	image	quantity
006CC-03-02-FF	Complete Column Assembly, 3mm/25mm, 2xF	"fixed"	1
006CC-03-05-FF	Complete Column Assembly, 3mm/50mm, 2xF	"fixed"	1
006CC-03-10-FF	Complete Column Assembly, 3mm/100mm, 2xF	"fixed"	1
006CC-03-15-FF	Complete Column Assembly, 3mm/150mm, 2xF	"fixed"	1
006CC-03-25-FF	Complete Column Assembly, 3mm/250mm, 2xF	"fixed"	1

**Note 1)** 2xF = 2 Fixed endpieces

**Note 2)** Each 3.0mm Complete Column Assembly includes the following Omnifit products:

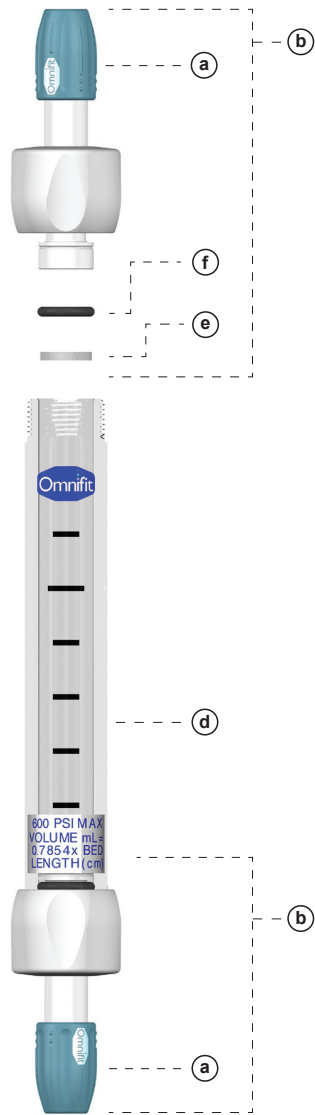
1. Assembled Column: 1 x precision-bore borosilicate glass column; 2 x PTFE fixed endpiece with 25µm PE frits; 2 x 1/4-28 endcaps
2. Fittings Kit: 2 meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; 0.5 meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting

## 3.0mm accessories

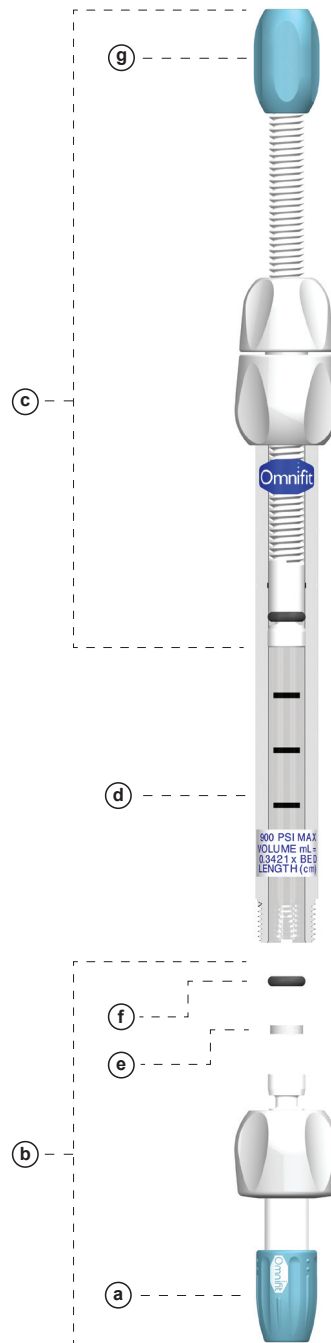
part number	description	image	quantity
006FE-03-05	Complete 3mm endpiece with 5um PTFE frit	b	1
006FE-03-10	Complete 3mm endpiece with 10um PTFE frit	b	1
006FE-03-25	Complete 3mm end piece with 25um PTFE frit	b	1
006FE-03-40	Complete 3mm endpiece with 40um PTFE frit	b	1
006FE-03-70	Complete 3mm endpiece with 70um PTFE frit	b	1
006FE-03-100	Complete 3mm endpiece with 100um PTFE frit	b	1
006FE-03-PE	Complete 3mm end piece with 25um PE frit	b	4
006-FE-03-SS	Complete 3mm end piece with 0.5um SS frit	b	4
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
006OR-03-S	Silicone O-rings for 3mm columns	f	10
006OR-03-V	Viton O-rings for 3mm columns	f	10

# 6.6mm preparative columns

fixed



adjustable



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (c) --- Adjustable Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal
- (g) --- Adjustable Endpiece end fitting (6.6mm only)

# 6.6mm column pricing

pressure rated to 900 psi (61 bar)

## complete columns

part number	description	image	quantity
006CC-06-05-FF	Complete Column Assembly, 6.6mm/50mm, 2xF	"fixed"	1
006CC-06-10-FF	Complete Column Assembly, 6.6mm/100mm, 2xF	"fixed"	1
006CC-06-15-FF	Complete Column Assembly, 6.6mm/150mm, 2xF	"fixed"	1
006CC-06-25-FF	Complete Column Assembly, 6.6mm/250mm, 2xF	"fixed"	1
006CC-06-40-FF	Complete Column Assembly, 6.6mm/400mm, 2xF	"fixed"	1
006CC-06-05-AF	Complete Column Assembly, 6.6mm/50mm, 1xF 1xA	"adjustable"	1
006CC-06-10-AF	Complete Column Assembly, 6.6mm/100mm, 1xF 1xA	"adjustable"	1
006CC-06-15-AF	Complete Column Assembly, 6.6mm/150mm, 1xF 1xA	"adjustable"	1
006CC-06-25-AF	Complete Column Assembly, 6.6mm/250mm, 1xF 1xA	"adjustable"	1
006CC-06-40-AF	Complete Column Assembly, 6.6mm/400mm, 1xF 1xA	"adjustable"	1

**Note 1** 2xF = (2) Fixed endpieces; 1xF 1xA = (1) Fixed endpiece, (1) Adjustable endpiece

**Note 2** Each 6.6mm Complete Column Assembly includes the following Omnifit products:

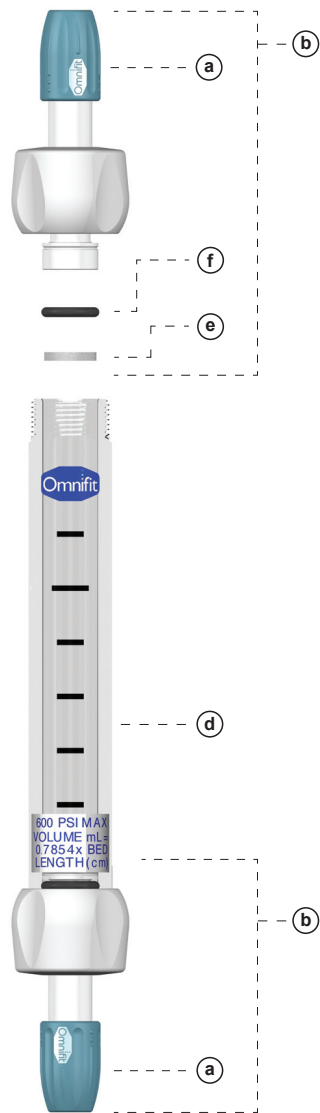
- (1) x precision-bore borosilicate glass column; (1) x PTFE fixed endpiece with 25µm PE frit; (1) x PTFE adjustable endpiece OR a second fixed endpiece (both with 25µm PE frit); (2) x 1/4-28 endcaps
- Fittings Kit: (2) meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; (0.5) meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting
- Frit Kit: (2) x 25µm PTFE frits; (2) x 10µm PTFE frits; (2) x 10µm PE frits

## 6.6mm accessories

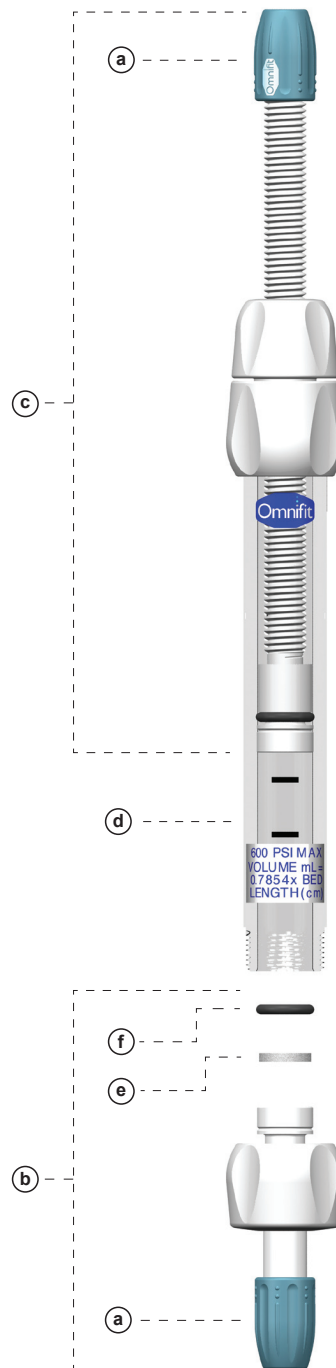
part number	description	image	quantity
006AE-06	Adjustable end piece for 6.6mm columns, 25um PE frit	c	1
006FE-06	Fixed end piece for 6.6mm columns, 25um PE frit	b	1
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel ®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
002326	Adapter, female M6 x female 1/4-28, Delrin ® (for 6.6mm adjustable endpiece only)	g	10
006FR-06-05	PTFE frits, 5um, for 6.6mm columns	e	20
006FR-06-10	PTFE frits, 10um, for 6.6mm columns	e	20
006FR-06-25	PTFE frits, 25um, for 6.6mm columns	e	20
006FR-06-40	PTFE frits, 40um, for 6.6mm columns	e	20
006FR-06-70	PTFE frits, 70um, for 6.6mm columns	e	20
006FR-06-100	PTFE frits, 100um, for 6.6mm columns	e	20
006FR-06-10-PE	PE frits, 10um, for 6.6mm columns	e	20
006FR-06-25-PE	PE frits, 25um, for 6.6mm columns	e	20
006OR-06-V	Viton O-rings for 6.6 mm columns (black)	f	10
006OR-06-S	Silicone O-rings for 6.6 mm columns (white)	f	10

# 10mm preparative columns

fixed



adjustable



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (c) --- Adjustable Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal



# 10mm column pricing

pressure rated to 600 psi (41 bar)

## complete columns

part number	description	image	quantity
006CC-10-05-FF	Complete Column Assembly, 10mm/50mm, 2xF	"fixed"	1
006CC-10-10-FF	Complete Column Assembly, 10mm/100mm, 2xF	"fixed"	1
006CC-10-15-FF	Complete Column Assembly, 10mm/150mm, 2xF	"fixed"	1
006CC-10-25-FF	Complete Column Assembly, 10mm/250mm, 2xF	"fixed"	1
006CC-10-40-FF	Complete Column Assembly, 10mm/400mm, 2xF	"fixed"	1
006CC-10-50-FF	Complete Column Assembly, 10mm/500mm, 2xF	"fixed"	1
006CC-10-75-FF	Complete Column Assembly, 10mm/750mm, 2xF	"fixed"	1
006CC-10-100-FF	Complete Column Assembly, 10mm/1000mm, 2xF	"fixed"	1
006CC-10-05-AF	Complete Column Assembly, 10mm/50mm, 1xF 1xA	"adjustable"	1
006CC-10-10-AF	Complete Column Assembly, 10mm/100mm, 1xF 1xA	"adjustable"	1
006CC-10-15-AF	Complete Column Assembly, 10mm/150mm, 1xF 1xA	"adjustable"	1
006CC-10-25-AF	Complete Column Assembly, 10mm/250mm, 1xF 1xA	"adjustable"	1
006CC-10-40-AF	Complete Column Assembly, 10mm/400mm, 1xF 1xA	"adjustable"	1
006CC-10-50-AF	Complete Column Assembly, 10mm/500mm, 1xF 1xA	"adjustable"	1
006CC-10-75-AF	Complete Column Assembly, 10mm/750mm, 1xF 1xA	"adjustable"	1
006CC-10-100-AF	Complete Column Assembly, 10mm/1000mm, 1xF 1xA	"adjustable"	1

**Note 1** 2xF = (2) Fixed endpieces; 1xF 1xA = (1) Fixed endpiece, (1) Adjustable endpiece

**Note 2** Each 10mm Complete Column Assembly includes the following Omnifit products:

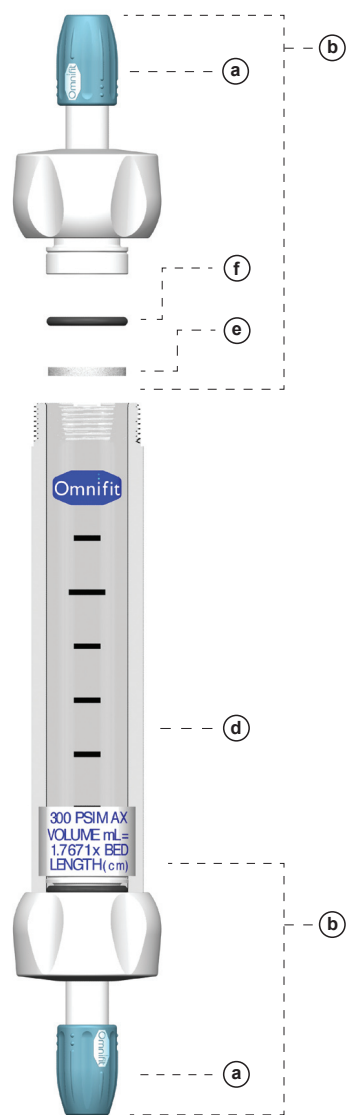
- (1) x precision-bore borosilicate glass column; (1) x PTFE fixed endpiece with 25µm PE frit; (1) x PTFE adjustable endpiece OR a second fixed endpiece (both with 25µm PE frit); (2) x 1/4-28 endcaps
- Fittings Kit: (2) meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; (0.5) meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting
- Frit Kit: (2) x 25µm PTFE frits; (2) x 10µm PTFE frits; (2) x 10µm PE frits

## 10mm accessories

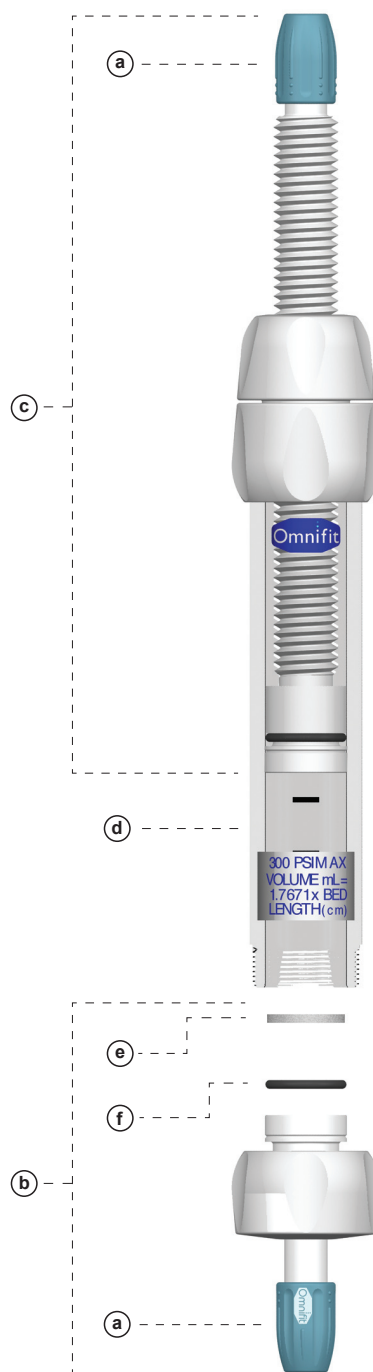
part number	description	image	quantity
006AE-10	Adjustable end piece for 10mm columns, 25um PE frit	c	1
006FE-10	Fixed end piece for 10mm columns, 25um PE frit	b	1
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
006FR-10-05	PTFE frits, 5um, for 10mm columns	e	20
006FR-10-10	PTFE frits, 10um, for 10mm columns	e	20
006FR-10-25	PTFE frits, 25um, for 10mm columns	e	20
006FR-10-40	PTFE frits, 40um, for 10mm columns	e	20
006FR-10-70	PTFE frits, 70um, for 10mm columns	e	20
006FR-10-100	PTFE frits, 100um, for 10mm columns	e	20
006FR-10-10-PE	PE frits, 10um, for 10mm columns	e	20
006FR-10-25-PE	PE frits, 25um, for 10mm columns	e	20
006OR-10-V	Viton O-rings for 10mm columns (black)	f	10
006OR-10-S	Silicone O-rings for 10mm columns (white)	f	10

# 15mm preparative columns

fixed



adjustable



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (c) --- Adjustable Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal

# 15mm column pricing

pressure rated to 300 psi (20 bar)

## complete columns

part number	description	image	quantity
006CC-15-05-FF	Complete Column Assembly, 15mm/50mm, 2xF	"fixed"	1
006CC-15-10-FF	Complete Column Assembly, 15mm/100mm, 2xF	"fixed"	1
006CC-15-15-FF	Complete Column Assembly, 15mm/150mm, 2xF	"fixed"	1
006CC-15-25-FF	Complete Column Assembly, 15mm/250mm, 2xF	"fixed"	1
006CC-15-40-FF	Complete Column Assembly, 15mm/400mm, 2xF	"fixed"	1
006CC-15-50-FF	Complete Column Assembly, 15mm/500mm, 2xF	"fixed"	1
006CC-15-75-FF	Complete Column Assembly, 15mm/750mm, 2xF	"fixed"	1
006CC-15-100-FF	Complete Column Assembly, 15mm/1000mm, 2xF	"fixed"	1
006CC-15-05-AF	Complete Column Assembly, 15mm/50mm, 1xF 1xA	"adjustable"	1
006CC-15-10-AF	Complete Column Assembly, 15mm/100mm, 1xF 1xA	"adjustable"	1
006CC-15-15-AF	Complete Column Assembly, 15mm/150mm, 1xF 1xA	"adjustable"	1
006CC-15-25-AF	Complete Column Assembly, 15mm/250mm, 1xF 1xA	"adjustable"	1
006CC-15-40-AF	Complete Column Assembly, 15mm/400mm, 1xF 1xA	"adjustable"	1
006CC-15-50-AF	Complete Column Assembly, 15mm/500mm, 1xF 1xA	"adjustable"	1
006CC-15-75-AF	Complete Column Assembly, 15mm/750mm, 1xF 1xA	"adjustable"	1
006CC-15-100-AF	Complete Column Assembly, 15mm/1000mm, 1xF 1xA	"adjustable"	1

**Note 1** 2xF = (2) Fixed endpieces; 1xF 1xA = (1) Fixed endpiece, (1) Adjustable endpiece

**Note 2** Each 15mm Complete Column Assembly includes the following Omnifit products:

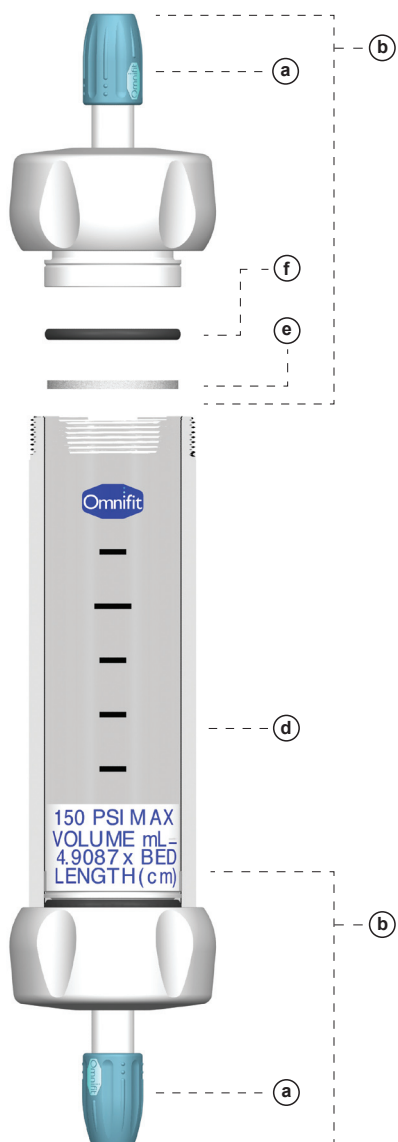
- (1) x precision-bore borosilicate glass column; (1) x PTFE fixed endpiece with 25µm PE frit; (1) x PTFE adjustable endpiece OR a second fixed endpiece (both with 25µm PE frit); (2) x 1/4-28 endcaps
- Fittings Kit: (2) meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; (0.5) meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting
- Frit Kit: (2) x 25µm PTFE frits; (2) x 10µm PTFE frits; (2) x 10µm PE frits

## 15mm accessories

part number	description	image	quantity
006AE-15	Adjustable end piece for 15mm columns, 25um PE frit	c	1
006FE-15	Fixed end piece for 15mm columns, 25um PE frit	b	1
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
006FR-15-05	PTFE frits, 5um, for 15mm columns	e	20
006FR-15-10	PTFE frits, 10um, for 15mm columns	e	20
006FR-15-25	PTFE frits, 25um, for 15mm columns	e	20
006FR-15-40	PTFE frits, 40um, for 15mm columns	e	20
006FR-15-70	PTFE frits, 70um, for 15mm columns	e	20
006FR-15-100	PTFE frits, 100um, for 15mm columns	e	20
006FR-15-10-PE	PE frits, 10um, for 15mm columns	e	20
006FR-15-25-PE	PE frits, 25um, for 15mm columns	e	20
006OR-15-V	Viton O-rings for 15mm columns (black)	f	10
006OR-15-S	Silicone O-rings for 15mm columns (white)	f	10

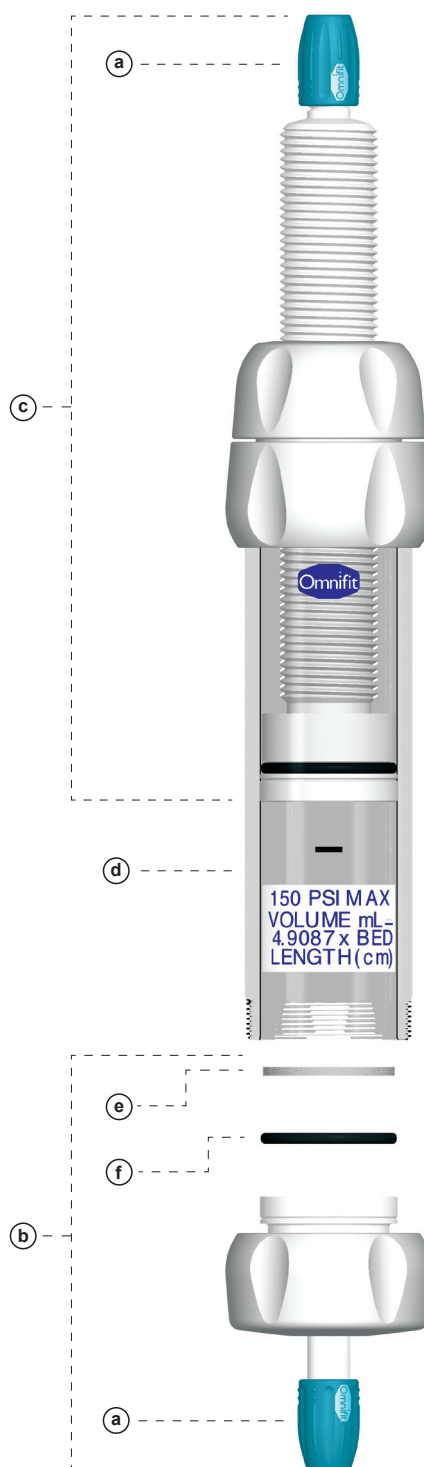
# 25mm preparative columns

fixed



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (c) --- Adjustable Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal

adjustable



# 25mm column pricing

pressure rated to 150 psi (10 bar)

## complete columns

part number	description	image	quantity
006CC-25-10-FF	Complete Column Assembly, 25mm/100mm, 2xF	"fixed"	1
006CC-25-15-FF	Complete Column Assembly, 25mm/150mm, 2xF	"fixed"	1
006CC-25-25-FF	Complete Column Assembly, 25mm/250mm, 2xF	"fixed"	1
006CC-25-40-FF	Complete Column Assembly, 25mm/400mm, 2xF	"fixed"	1
006CC-25-50-FF	Complete Column Assembly, 25mm/500mm, 2xF	"fixed"	1
006CC-25-75-FF	Complete Column Assembly, 25mm/750mm, 2xF	"fixed"	1
006CC-25-100-FF	Complete Column Assembly, 25mm/1000mm, 2xF	"fixed"	1
006CC-25-10-AF	Complete Column Assembly, 25mm/100mm, 1xF 1xA	"adjustable"	1
006CC-25-15-AF	Complete Column Assembly, 25mm/150mm, 1xF 1xA	"adjustable"	1
006CC-25-25-AF	Complete Column Assembly, 25mm/250mm, 1xF 1xA	"adjustable"	1
006CC-25-40-AF	Complete Column Assembly, 25mm/400mm, 1xF 1xA	"adjustable"	1
006CC-25-50-AF	Complete Column Assembly, 25mm/500mm, 1xF 1xA	"adjustable"	1
006CC-25-75-AF	Complete Column Assembly, 25mm/750mm, 1xF 1xA	"adjustable"	1
006CC-25-100-AF	Complete Column Assembly, 25mm/1000mm, 1xF 1xA	"adjustable"	1

**Note 1** 2xF = (2) Fixed endpieces; 1xF 1xA = (1) Fixed endpiece, (1) Adjustable endpiece

**Note 2** Each 25mm Complete Column Assembly includes the following Omnifit products:

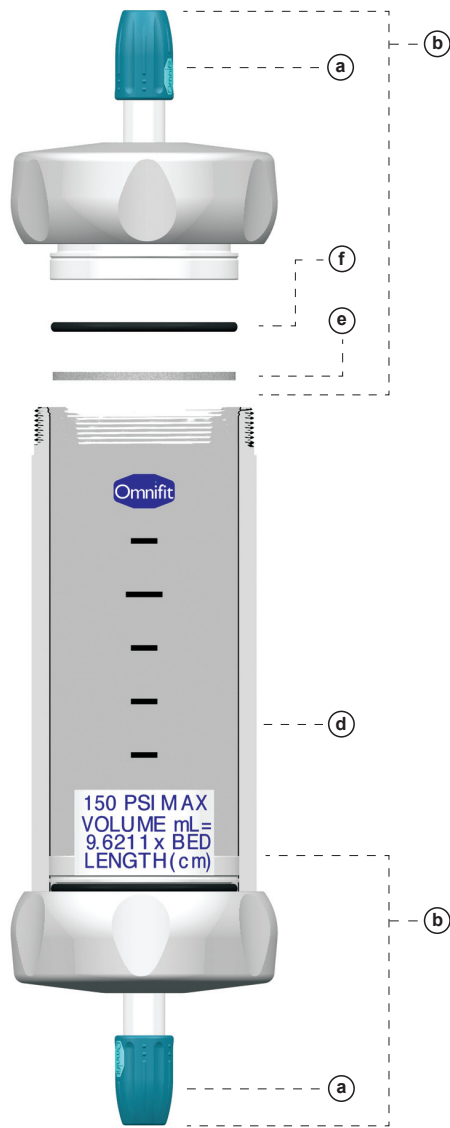
- (1) x precision-bore borosilicate glass column; (1) x PTFE fixed endpiece with 25µm PE frit; (1) x PTFE adjustable endpiece OR a second fixed endpiece (both with 25µm PE frit); (2) x 1/4-28 endcaps
- Fittings Kit: (2) meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; (0.5) meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting
- Frit Kit: (2) x 25µm PTFE frits; (2) x 10µm PTFE frits; (2) x 10µm PE frits

## 25mm accessories

part number	description	image	quantity
006AE-25	Adjustable end piece for 25mm columns, 25µm PE frit	c	1
006FE-25	Fixed end piece for 25mm columns, 25µm PE frit	b	1
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
006FR-25-05	PTFE frits, 5µm, for 25mm columns	e	20
006FR-25-10	PTFE frits, 10µm, for 25mm columns	e	20
006FR-25-25	PTFE frits, 25µm, for 25mm columns	e	20
006FR-25-40	PTFE frits, 40µm, for 25mm columns	e	20
006FR-25-70	PTFE frits, 70µm, for 25mm columns	e	20
006FR-25-100	PTFE frits, 100µm, for 25mm columns	e	20
006FR-25-10-PE	PE frits, 10µm, for 25mm columns	e	20
006FR-25-25-PE	PE frits, 25µm, for 25mm columns	e	20
006OR-25-V	Viton O-rings for 25mm columns (black)	f	10
006OR-25-S	Silicone O-rings for 25mm columns (white)	f	10

# 35mm preparative columns

fixed



adjustable



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (c) --- Adjustable Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal

# 35mm column pricing

pressure rated to 150 psi (10 bar)

## complete columns

part number	description	image	quantity
006CC-35-10-FF	Complete Column Assembly, 35mm/100mm, 2xF	"fixed"	1
006CC-35-15-FF	Complete Column Assembly, 35mm/150mm, 2xF	"fixed"	1
006CC-35-25-FF	Complete Column Assembly, 35mm/250mm, 2xF	"fixed"	1
006CC-35-40-FF	Complete Column Assembly, 35mm/400mm, 2xF	"fixed"	1
006CC-35-50-FF	Complete Column Assembly, 35mm/500mm, 2xF	"fixed"	1
006CC-35-75-FF	Complete Column Assembly, 35mm/750mm, 2xF	"fixed"	1
006CC-35-100-FF	Complete Column Assembly, 35mm/1000mm, 2xF	"fixed"	1
006CC-35-10-AF	Complete Column Assembly, 35mm/100mm, 1xF 1xA	"adjustable"	1
006CC-35-15-AF	Complete Column Assembly, 35mm/150mm, 1xF 1xA	"adjustable"	1
006CC-35-25-AF	Complete Column Assembly, 35mm/250mm, 1xF 1xA	"adjustable"	1
006CC-35-40-AF	Complete Column Assembly, 35mm/400mm, 1xF 1xA	"adjustable"	1
006CC-35-50-AF	Complete Column Assembly, 35mm/500mm, 1xF 1xA	"adjustable"	1
006CC-35-75-AF	Complete Column Assembly, 35mm/750mm, 1xF 1xA	"adjustable"	1
006CC-35-100-AF	Complete Column Assembly, 35mm/1000mm, 1xF 1xA	"adjustable"	1

**Note 1** 2xF = (2) Fixed endpieces; 1xF 1xA = (1) Fixed endpiece, (1) Adjustable endpiece

**Note 2** Each 35mm Complete Column Assembly includes the following Omnifit products:

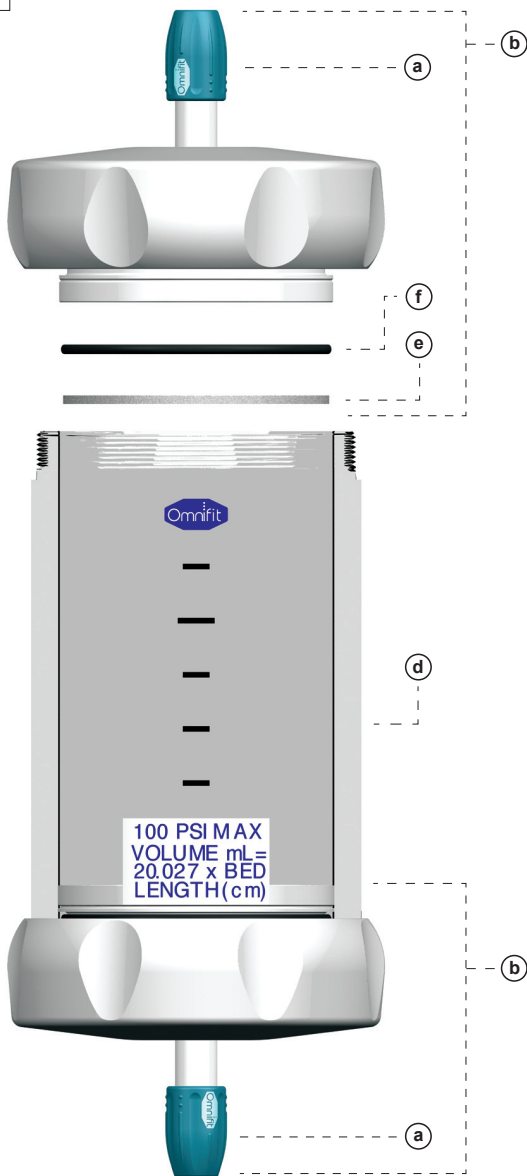
- (1) x precision-bore borosilicate glass column; (1) x PTFE fixed endpiece with 25µm PE frit; (1) x PTFE adjustable endpiece OR a second fixed endpiece (both with 25µm PE frit); (2) x 1/4-28 endcaps
- Fittings Kit: (2) meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; (0.5) meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting
- Frit Kit: (2) x 25µm PTFE frits; (2) x 10µm PTFE frits; (2) x 10µm PE frits

## 35mm accessories

part number	description	image	quantity
006AE-35	Adjustable end piece for 35mm columns, 25um PE frit	c	1
006FE-35	Fixed end piece for 35mm columns, 25um PE frit	b	1
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
006FR-35-05	PTFE frits, 5um, for 35mm columns	e	20
006FR-35-10	PTFE frits, 10um, for 35mm columns	e	20
006FR-35-25	PTFE frits, 25um, for 35mm columns	e	20
006FR-35-40	PTFE frits, 40um, for 35mm columns	e	20
006FR-35-70	PTFE frits, 70um, for 35mm columns	e	20
006FR-35-100	PTFE frits, 100um, for 35mm columns	e	20
006FR-35-10-PE	PE frits, 10um, for 35mm columns	e	20
006FR-35-25-PE	PE frits, 25um, for 35mm columns	e	20
006OR-35-V	Viton O-rings for 35mm columns (black)	f	10
006OR-35-S	Silicone O-rings for 35mm columns (white)	f	10

# 50mm preparative columns

fixed



adjustable



- (a) --- End Fitting
- (b) --- Fixed Endpiece
- (c) --- Adjustable Endpiece
- (d) --- Glass Body
- (e) --- Frit
- (f) --- O-ring Seal



# 50mm column pricing

pressure rated to 150 psi (10 bar)

## complete columns

part number	description	image	quantity
006CC-50-10-FF	Complete Column Assembly, 50mm/100mm, 2xF	"fixed"	1
006CC-50-15-FF	Complete Column Assembly, 50mm/150mm, 2xF	"fixed"	1
006CC-50-25-FF	Complete Column Assembly, 50mm/250mm, 2xF	"fixed"	1
006CC-50-40-FF	Complete Column Assembly, 50mm/400mm, 2xF	"fixed"	1
006CC-50-50-FF	Complete Column Assembly, 50mm/500mm, 2xF	"fixed"	1
006CC-50-75-FF	Complete Column Assembly, 50mm/750mm, 2xF	"fixed"	1
006CC-50-100-FF	Complete Column Assembly, 50mm/1000mm, 2xF	"fixed"	1
006CC-50-10-AF	Complete Column Assembly, 50mm/100mm, 1xF 1xA	"adjustable"	1
006CC-50-15-AF	Complete Column Assembly, 50mm/150mm, 1xF 1xA	"adjustable"	1
006CC-50-25-AF	Complete Column Assembly, 50mm/250mm, 1xF 1xA	"adjustable"	1
006CC-50-40-AF	Complete Column Assembly, 50mm/400mm, 1xF 1xA	"adjustable"	1
006CC-50-50-AF	Complete Column Assembly, 50mm/500mm, 1xF 1xA	"adjustable"	1
006CC-50-75-AF	Complete Column Assembly, 50mm/750mm, 1xF 1xA	"adjustable"	1
006CC-50-100-AF	Complete Column Assembly, 50mm/1000mm, 1xF 1xA	"adjustable"	1

**Note 1** 2xF = (2) Fixed endpieces; 1xF 1xA = (1) Fixed endpiece, (1) Adjustable endpiece

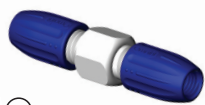
**Note 2** Each 50mm Complete Column Assembly includes the following Omnifit products:

- (1) x precision-bore borosilicate glass column; (1) x PTFE fixed endpiece with 25µm PE frit; (1) x PTFE adjustable endpiece OR a second fixed endpiece (both with 25µm PE frit); (2) x 1/4-28 endcaps
- Fittings Kit: (2) meters x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting; (0.5) meter x 1/16" OD PTFE tubing with (1) 1/4-28 UNF fitting
- Frit Kit: (2) x 25µm PTFE frits; (2) x 10µm PTFE frits; (2) x 10µm PE frits

## 50mm accessories

part number	description	image	quantity
006AE-50	Adjustable end piece for 50mm columns, 25µm PE frit	c	1
006FE-50	Fixed end piece for 50mm columns, 25µm PE frit	b	1
001320	Adapter, female 1/4-28 x female 5/16-24, Tefzel®	a	10
001321	Adapter, female M6 x female 5/16-24, Polypropylene	a	10
006FR-50-05	PTFE frits, 5um, for 50mm columns	e	20
006FR-50-10	PTFE frits, 10um, for 50mm columns	e	20
006FR-50-25	PTFE frits, 25um, for 50mm columns	e	20
006FR-50-40	PTFE frits, 40um, for 50mm columns	e	20
006FR-50-70	PTFE frits, 70um, for 50mm columns	e	20
006FR-50-100	PTFE frits, 100um, for 50mm columns	e	20
006FR-50-10-PE	PE frits, 10um, for 50mm columns	e	20
006FR-50-25-PE	PE frits, 25um, for 50mm columns	e	20
006OR-50-V	Viton O-rings for 50mm columns (black)	f	10
006OR-50-S	Silicone O-rings for 50mm columns (white)	f	10

# Column accessories



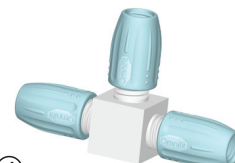
(a)



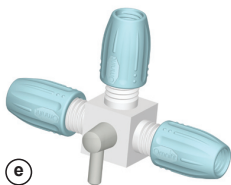
(b)



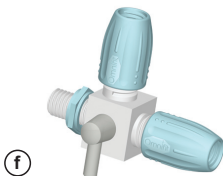
(c)



(d)



(e)



(f)



(g)



(h)



(i)



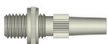
(j)



(k)



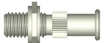
(D)



(m)



(r)



(n)



(s)



(o)



(t)



(p)



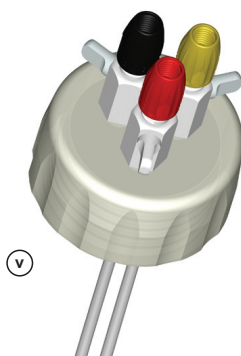
(q)



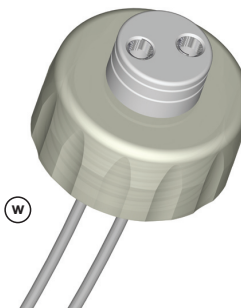
(u)



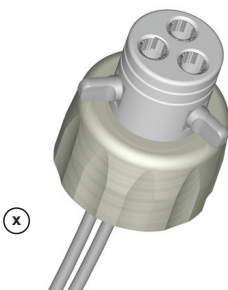
(y)



(v)



(w)



(x)



(B)



(z)



(A)



(D)

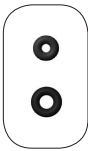
# Column accessories pricing

part number	description	image	quantity
001001	Two way variable bore connector	a	3
001101	Two way variable bore valve	b	2
002507	Adapter, 1/4-28 to variable bore valve	c	1
001010	Three way variable bore connector	d	1
001109	Three way variable bore valve, single key	e	1
001131	Column bleed valve	f	1
001003	Three way variable bore connector (hex)	g	1
001102	Three way variable bore valve	h	1
001008	Universal variable connector	i	2
001105	Universal connector with valve	j	1
001009	Variable large connector	k	2
002501	Adapter, 1/4-28 to male luer	m	1
002502	Adapter, 1/4-28 to female luer	n	1
001201	Adapter, tefzel, variable bore to male luer	o	1
001202	Adapter, tefzel, variable bore to female luer	p	1
001206	Adapter, 1/4-28 to luer lock	q	1
002310	Gripper fitting for 1/16" (1.6mm) OD tubing	r	10
002312	Gripper fitting for 1/8" (3.2mm) OD tubing	r	10
001501	PTFE cones for 1/32" OD tubing	s	4
001502	PTFE cones for 1/16" OD (1.6mm) tubing	s	4
001503	PTFE cones for 3/32" OD tubing	s	4
001504	PTFE cones for 1/8" OD (3.2mm) tubing	s	4
001505	PTFE cones for 5/32" OD tubing	s	4
001506	PTFE cones for 0.5mm OD tubing	s	4
001507	PTFE cones for 1.0mm OD tubing	s	4
001508	PTFE cones for 1.5mm OD tubing	s	4
001515	PTFE cones for 1.8mm OD tubing	s	4
001509	PTFE cones for 2.0mm OD tubing	s	4
001510	PTFE cones for 2.5mm OD tubing	s	4
001511	PTFE cones for 3.0mm OD tubing	s	4
001512	PTFE cones for 3.5mm OD tubing	s	4
001513	PTFE cones for 4.0mm OD tubing	s	4
001521	PTFE cones for 5/32" OD tubing	s	2
001522	PTFE cones for 3/16" OD tubing	s	2
001523	PTFE cones for 1/4" OD tubing	s	2
001524	PTFE cones for 5/16" OD tubing	s	2
001525	PTFE cones for 3/8" OD tubing	s	2
001526	PTFE cones for 7/16" OD tubing	s	2
001527	PTFE cones for 4.0mm OD tubing	s	2
001528	PTFE cones for 5.0mm OD tubing	s	2
001529	PTFE cones for 6.0mm OD tubing	s	2
001530	PTFE cones for 7.0mm OD tubing	s	2
001531	PTFE cones for 8.0mm OD tubing	s	2
001532	PTFE cones for 9.0mm OD tubing	s	2
001533	PTFE cones for 10.0mm OD tubing	s	2
001534	PTFE cones for 11.0mm OD tubing	s	2

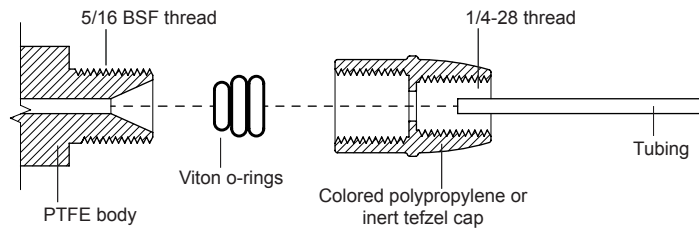
# Column accessories pricing

part number	description	image	quantity
001401	Viton O-rings, small size	t	10
001402	Viton O-rings, large size	t	10
001405	Silicon O-rings, small size	t	10
001406	Silicon O-rings, large size	t	10
001403	Viton cylindrical seal	t	1
001404	Viton cylindrical seal, 10 pack	t	10
006770NS	Frit insertion tool for 6.6mm columns	u	1
006170	Frit insertion tool for 10mm columns	u	1
006451	Frit insertion tool for 15mm columns	u	1
006270	Frit insertion tool for 25mm columns	u	1
006951	Frit insertion tool for 35mm columns	u	1
006870	Frit insertion tool for 50mm columns	u	1
006069	Tweezers for frit removal		1
003220	3-Valve bottle cap, for size GL45 bottles	v	1
003284	2-Connector bottle cap, for size GL45 bottles	w	1
003283	3-Valve bottle cap, for size GL32 bottles	x	1
002110	Tube end fittings for 1/16" OD tubing, mixed colors	y	10
002210	Tube end fittings for 1/8" OD tubing, mixed colors	y	10
006PS-03	3mm column packing sleeve (column connector)	z	1
006PS-06	6.6mm column packing sleeve (column connector)	z	1
006PS-10	10mm column packing sleeve (column connector)	z	1
006PS-15	15mm column packing sleeve (column connector)	z	1
006PS-25	25mm column packing sleeve (column connector)	z	1
006PS-35	35mm column packing sleeve (column connector)	z	1
006PS-50	50mm column packing sleeve (column connector)	z	1
0011340	Vari-bore check valve, 0.1 psi cracking pressure	A	2
0011341	Vari-bore check valve, 0.5 psi cracking pressure	A	2
0011342	Vari-bore check valve, 1.5 psi cracking pressure	A	2
0011343	Vari-bore check valve, 3.0 psi cracking pressure	A	2
0011344	Vari-bore check valve, 10.0 psi cracking pressure	A	2
006331	Jacket, 100mm, for 3.0, 6.6 and 10mm columns	B	1
006332	Jacket, 150mm, for 3.0, 6.6 and 10mm columns	B	1
006333	Jacket, 200mm, for 3.0, 6.6 and 10mm columns	B	1
006334	Jacket, 250mm, for 3.0, 6.6 and 10mm columns	B	1
006342	Jacket, 150mm, for 15 and 25mm columns	B	1
006343	Jacket, 250mm, for 15 and 25mm columns	B	1
006330SS1	Silicone seals for 3mm column jackets	D	2
006330SS2	Silicone seals for 6.6mm column jackets	D	2
006330SS3	Silicone seals for 10mm column jackets	D	2
006342SS1	Silicone seals for 15mm column jackets	D	2
006342SS2	Silicone seals for 25mm column jackets	D	2

## variable bore O-ring connection



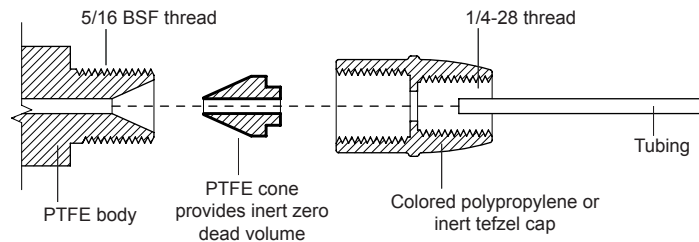
Up to 3 Viton rings are compressed into the body, which holds the tube tightly and forms the seal. The o-rings allow maximum flexibility, sealing on rigid wall tubing of any diameter between 1.0mm and 4.0mm (small variable bore) or 4mm and 11mm (large variable bore). This is particularly advantageous when changing fluid lines of differing dimensions. Viton is inert to most acids but is attacked by aldehydes and ketones. The illustration below is for a small variable bore connection. For large variable bore connections, the principle is the same but only one viton cylindrical seal is used. Typical pressure rating is 50 psi (3 bar). See pages 17-19 for pricing of o-ring connections.



## variable bore PTFE cone connection



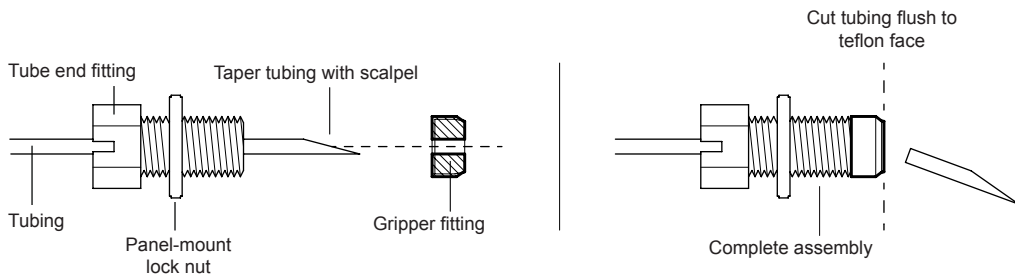
A PTFE cone is matched to the outside diameter (OD) of the tubing being used. This cone is compressed into the fitting, forming a seal. PTFE is resistant to most chemicals, including Sulphuric Acid, Sodium Hydroxide and all organic solvents. The cone option provides an all-PTFE fluid path of very low dead volume. The illustration below is for a small variable bore connection, but the principle is the same for large variable bore connections. Typical pressure rating is 50 psi (3 bar). See pages 17-19 for pricing.



## gripper connection



Gripper fittings are a flangeless tube connection system which incorporate a PTFE facing washer press-fitted into a 316 stainless steel housing. These provide a leak-free connection with minimal disturbance to the fluid path, and allow repeated connect / disconnect operation without deterioration to the sealing face. These fittings do not compress the tubing if over-tightened or twist the tubing during connection. Pressure rated to 1000 psi (68 bar). Assembly instructions are below. See pages 17-18 for pricing of gripper connections.



1. Taper tubing with a scalpel or razor blade, and pass through central hole of tube end fitting.
2. Using pliers, pass the tubing through the stainless steel side of the gripper fitting, rotating twice.
3. With a scalpel, cut tubing flush to the teflon face of the gripper fitting.

# Replacement glass columns

part number	description	quantity
006RG-03-02	Replacement glass column 3mm/25mm	1
006RG-03-05	Replacement glass column 3mm/50mm	1
006RG-03-10	Replacement glass column 3mm/100mm	1
006RG-03-15	Replacement glass column 3mm/150mm	1
006RG-03-25	Replacement glass column 3mm/250mm	1
006RG-06-05	Replacement glass column 6.6mm/50mm	1
006RG-06-10	Replacement glass column 6.6mm/100mm	1
006RG-06-15	Replacement glass column 6.6mm/150mm	1
006RG-06-25	Replacement glass column 6.6mm/250mm	1
006RG-06-40	Replacement glass column 6.6mm/400mm	1
006RG-10-05	Replacement glass column 10mm/50mm	1
006RG-10-10	Replacement glass column 10mm/100mm	1
006RG-10-15	Replacement glass column 10mm/150mm	1
006RG-10-25	Replacement glass column 10mm/250mm	1
006RG-10-40	Replacement glass column 10mm/400mm	1
006RG-10-50	Replacement glass column 10mm/500mm	1
006RG-10-75	Replacement glass column 10mm/750mm	1
006RG-10-100	Replacement glass column 10mm/1000mm	1
006RG-15-05	Replacement glass column 15mm/50mm	1
006RG-15-10	Replacement glass column 15mm/100mm	1
006RG-15-15	Replacement glass column 15mm/150mm	1
006RG-15-25	Replacement glass column 15mm/250mm	1
006RG-15-40	Replacement glass column 15mm/400mm	1
006RG-15-50	Replacement glass column 15mm/500mm	1
006RG-15-75	Replacement glass column 15mm/750mm	1
006RG-15-100	Replacement glass column 15mm/1000mm	1
006RG-25-10	Replacement glass column 25mm/100mm	1
006RG-25-15	Replacement glass column 25mm/150mm	1
006RG-25-25	Replacement glass column 25mm/250mm	1
006RG-25-40	Replacement glass column 25mm/400mm	1
006RG-25-50	Replacement glass column 25mm/500mm	1
006RG-25-75	Replacement glass column 25mm/750mm	1
006RG-25-100	Replacement glass column 25mm/1000mm	1
006RG-35-10	Replacement glass column 35mm/100mm	1
006RG-35-15	Replacement glass column 35mm/150mm	1
006RG-35-25	Replacement glass column 35mm/250mm	1
006RG-35-40	Replacement glass column 35mm/400mm	1
006RG-35-50	Replacement glass column 35mm/500mm	1
006RG-35-75	Replacement glass column 35mm/750mm	1
006RG-35-100	Replacement glass column 35mm/1000mm	1
006RG-50-10	Replacement glass column 50mm/100mm	1
006RG-50-15	Replacement glass column 50mm/150mm	1
006RG-50-25	Replacement glass column 50mm/250mm	1
006RG-50-40	Replacement glass column 50mm/400mm	1
006RG-50-50	Replacement glass column 50mm/500mm	1
006RG-50-75	Replacement glass column 50mm/750mm	1
006RG-50-100	Replacement glass column 50mm/1000mm	1

# Volume and Pressure Chart

column bed volume / bed length

chromatography column diameter

chromatography column length  
calculated for columns with 2 fixed endpieces

	3 mm	6.6 mm	10 mm	15 mm	25 mm	35 mm	50 mm
25 mm	BL: 25 mm BV: 0.17 ml						
50 mm	BL: 50 mm BV: 0.35 ml	BL: 22 mm BV: 0.75 ml	BL: 22 mm BV: 1.7 ml	BL: 18 mm BV: 3.2 ml			
100 mm	BL: 100 mm BV: 0.70 ml	BL: 72 mm BV: 2.4 ml	BL: 72 mm BV: 5.6 ml	BL: 68 mm BV: 12 ml	BL: 68 mm BV: 35 ml	BL: 68 mm BV: 65 ml	BL: 68 mm BV: 135 ml
150 mm	BL: 150 mm BV: 1.00 ml	BL: 122 mm BV: 4.1 ml	BL: 122 mm BV: 9.5 ml	BL: 118 mm BV: 21 ml	BL: 118 mm BV: 60 ml	BL: 118 mm BV: 113 ml	BL: 118 mm BV: 235 ml
250 mm	BL: 250 mm BV: 1.70 ml	BL: 222 mm BV: 7.5 ml	BL: 222 mm BV: 17.4 ml	BL: 218 mm BV: 39 ml	BL: 218 mm BV: 110 ml	BL: 218 mm BV: 209 ml	BL: 218 mm BV: 435 ml
400 mm		BL: 372 mm BV: 12.7 ml	BL: 372 mm BV: 29.2 ml	BL: 368 mm BV: 65 ml	BL: 368 mm BV: 188 ml	BL: 368 mm BV: 354 ml	BL: 368 mm BV: 735 ml

BL = BED LENGTH  
BV = BED VOLUME

