

HiT™

HiT™ columns are designed for use at elevated temperature. Borosilicate glass and PEEK™ construction gives stability at temperatures up to 150°C. Ideal for use as reactor columns for flow chemistry applications as well as chromatographic separations.

- Durable, high-performance columns for reliable and reproducible performance at elevated temperature.

Complete columns inventory

When you buy a complete HiT™ column, you will receive:

Column assembly:

A ready-assembled column of -FF, -AF or -AA configuration, comprising a glass tube of the required dimensions and the two endpieces of your choice pre-assembled with 30µm PTFE frits.

Frit Kit comprising:

- 2 x 30µm PTFE frits
- 2 x 10µm PTFE frits
- 2 x 10µm PE frits

Fittings Kit comprising:

- 2m x 1/16" OD PTFE tubing with 1/4-28 UNF fitting (ETFE) at one end
- 0.5m x 1/16" OD PTFE tubing with 1/4-28 UNF fitting (ETFE) at one end.

Technical specifications

Operating parameters:

Operating temperature: 4-150°C

pH stability: 1-14

Chemical stability:

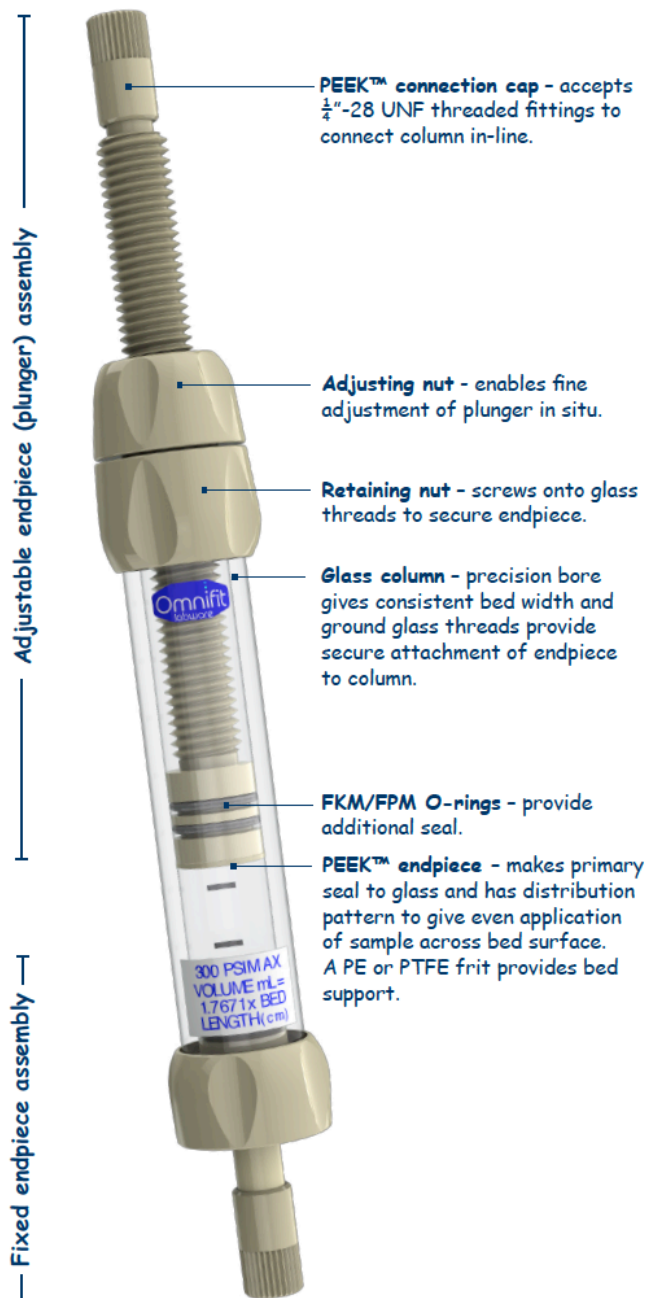
Resistant to aqueous solutions and most solvents used in liquid chromatography and flow chemistry.
Not resistant to acetone, ketones, chlorinated hydrocarbons, aliphatic esters, phenol, > 10% NaOH, > 10% HCl, > 5% acetic acid, or strong mineral acid.

Materials:

Glass column	Borosilicate glass
Endpiece	PEEK™
Frit (bed support)	PE or PTFE
O-ring	FKM/FPM
Adjusting nut	PEEK™
Retaining cap	PEEK™
Connection cap	PEEK™
Fitting nuts	ETFE

Operating pressures:

6.6mm	900 psi (60 bar)
10mm	600 psi (40 bar)
15mm	300 psi (20 bar)



Ordering information

COMPLETE COLUMN; 1 x FIXED; 1 x ADJUSTABLE ENDPIECE

LENGTH / BORE	6.6MM	10MM	15MM
100mm	006HCC-06-10-AF	006HCC-10-10-AF	006HCC-15-10-AF
150mm	006HCC-06-15-AF	006HCC-10-15-AF	006HCC-15-15-AF

REPLACEMENT ENDPIECES

	Adjustable	006HAE-06	006HAE-10	006HAE-15
Fixed	006HFE-06	006HFE-10	006HFE-15	

REPLACEMENT O-RINGS

FKM/FPM (PK 10)	006OR-06-V	006OR-10-V	006OR-15-V

For replacement glass tubes, frits & O-rings, see page 22