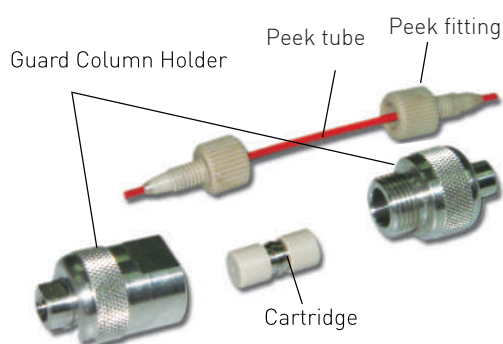


# Guard Column and Pre-Column Inline Filter

Guard column	Pre-column Inline Filter
<ul style="list-style-type: none"> <li>• Between injector and analytical column</li> <li>• All have column holders</li> <li>• All have frit to retain solid particles</li> </ul>	
Packing materials inside a Guard Column cartridge.	Filter inside a Pre-column.
Remove strongly adsorbed sample components	Trap particulate matter from the fluid path, but does not remove sample components or contaminants.
Internal diameters should match as closely as possible and packing material should be of the same particle size and chemistry as the analytical column	<ul style="list-style-type: none"> <li>i) Can be used with other brands of columns</li> <li>ii) Designed to be wholly disposable or has replaceable filters in a re-useable holder</li> </ul>






General Guard Column Kit (e.g. Ultisil XB-C18, 4.6 × 10 mm)

P/N	Description	Piece
00808-01101	Stand Alone Analytical Guard Holder (φ: 4.6mm, 7000psi)	1
H00808-04001	Ultisil® XB-C18, Cartridge: 5µm, 120Å, 4.6x10mm	2
00808-01301	1/16" Peek Tube, 7cm Length	1
00808-01303	PEEK Fitting, for 1/16" OD tubing	2

## Pre-Column Inline Filter

Picture	Description	Configuration	P/N	Instrument
	ColumnShield Precolumn Filter, PEEK, 0.5µm Ti frit, 5000 psi	Column Shield Precolumn Filter, PEEK × 1	00808-01220	HPLC
	In-Line Precolumn Filter holder, 6000 psi	In-Line Precolumn Filter holder × 1	00808-01201-1	
	Analytical Replacement Frits, 2 µm	Analytical Replacement Frits, 2 µm × 1	00808-01202	
	Analytical Replacement Frits, 0.5 µm	Analytical Replacement Frits, 0.5 µm × 1	00808-01203	
	In-Line Precolumn Filter holder kit (2µm)	In-Line Precolumn Filter holder, 6000 psi × 1 Analytical Replacement Frits 2 µm × 2 1/16" Peek Tube, 7 cm Length × 1 PEEK Fitting, for 1/16" OD tubing × 2	00808-01201	
	In-Line Precolumn Filter holder kit (0.5µm)	In-Line Precolumn Filter holder, 6000 psi × 1 Analytical Replacement Frits, 0.5 µm × 2 1/16" Peek Tube, 7cm Length × 1 PEEK Fitting, for 1/16" OD tubing × 2	00808-01201-05	
	UltraShield Precolumn Filter, SS, 0.5 µm stainless steel frit, 15000 psi	Column Shield Precolumn Filter, SST × 1 5/16" solid wrench × 1	00808-01221	UHPLC, Core-shell
		Column Shield Precolumn Filter, SST, Waters Port × 1, 5/16" solid wrench × 1	00808-01221-W	
	Direct Connect Precolumn Filter, with 0.2 µm Replacement Frits × 5, 18000 psi	Direct Connect Precolumn Filter × 1 0.2µm UHPLC Replacement Frits × 5 3/8" solid wrench × 2	00808-01222	
	UHPLC Replacement Frits, 0.2 µm	0.2 µm UHPLC Replacement Frits × 1	00808-UF020	

## Guard Column Holder

Picture	Description	Configuration	P/N	Instrument
	Stand Alone Analytical Guard Holder (φ: 4.6 mm, 7000 psi)	Stand Alone Analytical Guard Holder × 1	00808-01101	HPLC
	Stand Alone Narrow Bore Guard Holder (φ: 2.1 mm, 7000 psi)	Stand Alone Narrow Bore Guard Holder, × 1	00808-01107	
	Direct Connect Analytical Guard Holder (φ: 4.6 mm, 7000 psi), compatible with Parker, Valco, Waters columns	Direct Connect Analytical Guard Holder × 1 1/4" solid wrench × 1	00808-01108	
	Holder: 316L Stainless Steel, PEEK Ferrule, 15000 psi, 5 mm UHPLC Cartridges	Direct Connect UHPLC Analytical Guard Holder × 1, 7/16" solid wrench × 2	00808-01109	UHPLC, Core-shell

## Guard Column Cartridges

Xtimate Guard Column Cartridges					
Specification	3 μm, 2.1×10 mm [Cartridges]	5 μm, 2.1×10 mm [Cartridges]	3 μm, 4.6×10 mm [Cartridges]	5 μm, 4.6×10 mm [Cartridges]	10 μm, 4.6×10 mm [Cartridges]
C18	00808-23101	00808-24101	00808-03101	00808-04101	00808-05101
C8	00808-23102	00808-24102	00808-03102	00808-04102	00808-05102
Phenyl-Hexyl	00808-23106	00808-24106	00808-03106	00808-04106	-
C4	00808-23103	00808-24103	00808-03103	00808-04103	-
CN	-	00808-24105	-	00808-04105	-
Polar-RP	-	00808-24111	-	00808-04152	-
Lactose-NH <sub>2</sub>	-	00808-24110	-	00808-04151	-
XB-SCX	-	00808-24112	-	00808-04153	-

Ultisil Guard Column Cartridges					
Specification	3 μm, 2.1×10 mm [Cartridges]	5 μm, 2.1×10 mm [Cartridges]	3 μm, 4.6×10 mm [Cartridges]	5 μm, 4.6×10 mm [Cartridges]	10 μm, 4.6×10 mm [Cartridges]
XB-C18	H00808-23001	H00808-24001	H00808-03001	H00808-04001	H00808-05001
XB-C8	H00808-23002	H00808-24002	H00808-03002	H00808-04002	H00808-05002
XB-Phenyl	H00808-23006	H00808-24006	H00808-03006	H00808-04006	H00808-05006
XB-C4	H00808-23011	H00808-24008	H00808-03030	H00808-04008	H00808-05008
XB-C1	-	H00808-24023	-	H00808-04026	-
XB-CN	H00808-23005	H00808-24005	H00808-03005	H00808-04005	H00808-05005
SiO <sub>2</sub>	H00808-23007	H00808-24007	H00808-03007	H00808-04007	H00808-05007
Diol	H00808-23020	H00808-24020	H00808-03020	H00808-04020	H00808-05020
XB-NH <sub>2</sub>	H00808-23004	H00808-24004	H00808-03004	H00808-04004	H00808-05004
XB-SAX	H00808-23008	H00808-24009	H00808-03008	H00808-04009	H00808-05009
XB-SCX	H00808-23012	H00808-24011	H00808-03033	H00808-04011	H00808-05011
XB-C30	H00808-23013	H00808-24024	H00808-03035	H00808-04035	H00808-05013
AQ-C18	H00808-23003	H00808-24003	H00808-03003	H00808-04003	H00808-05003
LP-C18	H00808-23014	H00808-24015	H00808-03010	H00808-04015	H00808-05014
LP-C8	H00808-23015	H00808-24012	H00808-03011	H00808-04012	-
LP-AQ	-	H00808-24026	-	H00808-04042	-
LP-CN	-	H00808-24027	-	H00808-04049	-
LP-C3	-	H00808-24028	-	H00808-04050	-
Plus C18	H00808-23024(3.5μm)	H00808-24029	H00808-03036(3.5μm)	H00808-04036	-
ALK C18	-	H00808-24030	-	H00808-04033	-
ODS-3	H00808-23016	H00808-24031	H00808-03031	H00808-04043	-
PG-C18	-	-	-	H00808-04045	-

### Ultisil Guard Column Cartridges

Specification	3 µm, 2.1×10 mm (Cartridges)	5 µm, 2.1×10 mm (Cartridges)	3 µm, 4.6×10 mm (Cartridges)	5 µm, 4.6×10 mm (Cartridges)	10 µm, 4.6×10 mm (Cartridges)
XS-C18	H00808-23017	H00808-24033	H00808-03034	H00808-04046	-
PAH	H00808-23018	H00808-24010	H00808-03012	H00808-04010	-
Polar-RP	H00808-23009	H00808-24017	H00808-03009	H00808-04017	H00808-05015
Phenyl-Ether	-	H00808-24034	-	H00808-04028	-
PFP	H00808-23019	H00808-24035	H00808-03024	H00808-04024	-
F-C8	H00808-23021	H00808-24036	H00808-03023	H00808-04038	-
HILIC Silica	H00808-23023	H00808-24037	H00808-03026	H00808-04044	H00808-05016
HILIC NH <sub>2</sub>	H00808-23022	H00808-24038	H00808-03025	H00808-04047	H00808-05017
HILIC Amide	H00808-23010	H00808-24025	H00808-03021	H00808-04025	H00808-05018
HILIC Amphion	-	H00808-24039	-	H00808-04029	-
Amino Acid	-	H00808-24040	-	H00808-04023	-
MM C18/SCX	-	H00808-24032	-	H00808-04032	-
MM NH <sub>2</sub> /CN	-	H00808-24041	-	H00808-04037	-
Cellu-D	-	H00808-24042	-	H00808-04014	H00808-05021
Cellu-DR	-	H00808-24042-R	-	H00808-04014-R	H00808-05021-R
Amy-D	-	H00808-24043	-	H00808-04040	H00808-05022
Amy-DR	-	H00808-24043-R	-	H00808-04040-R	H00808-05022-R
Cellu-J	-	H00808-24044	-	H00808-04039	H00808-05023
Cellu-JR	-	H00808-24044-R	-	H00808-04039-R	H00808-05023-R
Amy-S	-	H00808-24045	-	H00808-04041	H00808-05024
Amy-SR	-	H00808-24045-R	-	H00808-04041-R	H00808-05024-R

### Topsil Guard Column Cartridges

Specification	3 µm, 2.1×10 mm (Cartridges)	5 µm, 2.1×10 mm (Cartridges)	3 µm, 4.6×10 mm (Cartridges)	5 µm, 4.6×10 mm (Cartridges)
C18	00808-23301	00808-24301	00808-03301	00808-04301
C8	00808-23302	00808-24302	00808-03302	00808-04302
Phenyl-Hexyl	00808-23305	00808-24305	00808-03305	00808-04305
CN	-	00808-24304	-	00808-04304
NH <sub>2</sub>	-	00808-24303	-	00808-04303
Silica	-	00808-24306	-	00808-04306
Hilic-NH <sub>2</sub>	-	00808-24307	-	00808-04307

### Welchrom Guard Column Cartridges

Specification	5 µm, 2.1×10 mm (Cartridges)	5 µm, 4.6×10 mm (Cartridges)
C18	00808-24201	00808-04201
C8	00808-24202	00808-04202

### UHPLC Guard Column Cartridges

	Column ID (mm)	
	2.0-3.0	3.2-8.0
	Cartridges(mm)	
	2.1 × 5.0mm	4.0 × 5.0 mm
Ultisil UHPLC XB-C18	U808-201-25	U808-201-45
Ultisil UHPLC AQ-C18	U808-207-25	U808-207-45
Ultisil UHPLC XB-C8	U808-202-25	U808-202-45
Ultisil UHPLC XB-Phenyl	U808-203-25	U808-215-45
Ultisil UHPLC Polar RP	U808-215-25	U808-215-45
Ultisil UHPLC LP-C18	U808-208-25	U808-208-45
Ultisil UHPLC HILIC	U808-209-25	U808-209-45
Xtimate UHPLC C18	U808-101-25	U808-101-45

### Boltimate Guard Column Cartridges

	Column ID (mm)	
	2.0-3.0	3.2-8.0
	Cartridges(mm)	
	2.1 × 5.0mm	4.0 × 5.0 mm
Boltimate C18	U808-960-25	U808-960-45
Boltimate Phenyl- Hexyl	U808-961-25	U808-961-45
Boltimate EXT-C18	U808-962-25	U808-962-45
Boltimate EXT-PFP	U808-963-25	U808-963-45
Boltimate HILIC	U808-964-25	U808-964-45
Boltimate LP-C18	U808-965-25	U808-965-45

### Description

### P/N

1/16" Peek Tube, 7cm Length	00808-01301
PEEK Fitting, for 1/16" OD tubing	00808-01303
PEEK Ferrule, for 1/16" OD tubing	00808-01308
1/4"-5/16" solid wrench	3/9-7/16-sw
3/8"-7/16" solid wrench	3/9-7/16-sw