

ProteCol™

Ordering Information

ID (µm)	Column Length (mm)	PEEKsil Tail OD (inch)	PEEKsil Tail ID (µm)	PEEKsil Tail Outlet Length (mm)	PEEKsil Tail Inlet Length (mm)	Packing Material	Part No.
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ProteCol Analytical Capillary Columns

Typical Flow Rates µL/min: 3.5-6.0 (300µm ID); 0.8-1.5 (150µm ID); 0.1-0.4 (75µm ID)

C18

75	100	1/32	25	100	200	C18, 120Å, 3µm	2206252*
75	100	1/32	25	100	200	C18, 300Å, 3µm	2206254*
150	50	1/16	50	100	200	C18, 120Å, 3µm	2104152
150	100	1/16	50	100	200	C18, 120Å, 3µm	2104252
150	150	1/16	50	100	200	C18, 120Å, 3µm	2104352
300	50	1/16	50	100	200	C18, 120Å, 3µm	2102152
300	100	1/16	50	100	200	C18, 120Å, 3µm	2102252
300	150	1/16	50	100	200	C18, 120Å, 3µm	2102352
150	50	1/16	50	100	200	C18, 300Å, 3µm	2104154
150	100	1/16	50	100	200	C18, 300Å, 3µm	2104254
150	150	1/16	50	100	200	C18, 300Å, 3µm	2104354
300	50	1/16	50	100	200	C18, 300Å, 3µm	2102154
300	100	1/16	50	100	200	C18, 300Å, 3µm	2102254
300	150	1/16	50	100	200	C18, 300Å, 3µm	2102354
150	50	1/32	50	100	200	C18, 120Å, 3µm	2204152
150	100	1/32	50	100	200	C18, 120Å, 3µm	2204252
150	150	1/32	50	100	200	C18, 120Å, 3µm	2204352
300	50	1/32	50	100	200	C18, 120Å, 3µm	2202152
300	100	1/32	50	100	200	C18, 120Å, 3µm	2202252
300	150	1/32	50	100	200	C18, 120Å, 3µm	2202352
150	50	1/32	50	100	200	C18, 300Å, 3µm	2204154
150	100	1/32	50	100	200	C18, 300Å, 3µm	2204254
150	150	1/32	50	100	200	C18, 300Å, 3µm	2204354
300	50	1/32	50	100	200	C18, 300Å, 3µm	2202154
300	100	1/32	50	100	200	C18, 300Å, 3µm	2202254
300	150	1/32	50	100	200	C18, 300Å, 3µm	2202354

C8

75	100	1/32	25	100	200	C8, 300Å, 3µm	2206258
150	100	1/32	50	100	200	C8, 300Å, 3µm	2204258
300	100	1/32	50	100	200	C8, 300Å, 3µm	2202258

C4

75	100	1/32	25	100	200	C4, 300Å, 3µm	2206256*
150	100	1/32	50	100	200	C4, 300Å, 3µm	2204256
300	100	1/32	50	100	200	C4, 300Å, 3µm	220225

Please Note : Making connections with ProteCol Unions. In order to ensure the PEEKsil™ tubing ends meet in the center of the ferrule, a positioning tool can be used and is recommended for new users. This tool is included with the ProteCol Accessory Kits, p/n - 212000 and 222000.

ID (µm)	Column Length (mm)	PEEKsil Tail OD (inch)	PEEKsil Tail ID (µm)	PEEKsil Tail Outlet Length (mm)	PEEKsil Tail Inlet Length (mm)	Packing Material	Part No.
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ProteCol Capillary Guard Columns Pkt 3

C18

75	10	1/32	25	12	50	C18, 120Å, 3µm	222603
75	10	1/32	25	12	50	C18, 300Å, 3µm	222604
150	10	1/16	50	12	50	C18, 120Å, 3µm	212403
300	10	1/16	50	12	50	C18, 120Å, 3µm	212203
150	10	1/32	50	12	50	C18, 120Å, 3µm	222403
300	10	1/32	50	12	50	C18, 120Å, 3µm	222203
150	10	1/16	50	12	50	C18, 300Å, 3µm	212404
300	10	1/16	50	12	50	C18, 300Å, 3µm	212204
150	10	1/32	50	12	50	C18, 300Å, 3µm	222404
300	10	1/32	50	12	50	C18, 300Å, 3µm	222204

C8

75	10	1/32	25	12	50	C8, 300Å, 3µm	222605*
150	10	1/32	50	12	50	C8, 300Å, 3µm	222405
300	10	1/32	50	12	50	C8, 300Å, 3µm	222205

C4

75	10	1/32	25	12	50	C4, 300Å, 3µm	222606*
150	10	1/32	50	12	50	C4, 300Å, 3µm	222406
300	10	1/32	50	12	50	C4, 300Å, 3µm	222206

ProteCol Capillary Trap Columns

C18

75	10	1/32	25	70	70	C18, 120Å, 3µm	2226052*
75	10	1/32	25	70	70	C18, 300Å, 3µm	2226054*
150	10	1/32	50	70	70	C18, 120Å, 3µm	2224052
300	10	1/32	50	70	70	C18, 120Å, 3µm	2222052
150	10	1/32	50	70	70	C18, 300Å, 3µm	2224054
300	10	1/32	50	70	70	C18, 300Å, 3µm	2222054

C8

75	10	1/32	25	70	70	C8, 300Å, 3µm	2226058
150	10	1/32	50	70	70	C8, 300Å, 3µm	2224058
300	10	1/32	50	70	70	C8, 300Å, 3µm	2222058

C4

75	10	1/32	25	70	70	C4, 300Å, 3µm	2226056
150	10	1/32	50	70	70	C4, 300Å, 3µm	2224056
300	10	1/32	50	70	70	C4, 300Å, 3µm	2222056

* Available Mid 2004

PEEKsil Tail OD (inch)	PEEKsil Tail ID (µm)	PEEKsil Tail Outlet Length (mm)	PEEKsil Tail Inlet Length (mm)	Part No.
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ProteCol In-Line Filters

1/32	50	50	50	222012
1/16	50	50	50	212005

Description	Part No.
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ProteCol Stainless Steel Unions Pkt 1 (2 unions + 4 ferrules)

1/16" to 1/16"	212006
1/16" to 1/32"	212007
1/16" to 0.36mm	212008
1/32" to 1/32"	222005
1/32" to 0.36mm	222006
0.36mm to 0.36mm	222007

PEEKsil™ Tubing

Tubing Type	ID (mm)	Length (mm)	Pack Size	Part No.
1/32" OD	0.025	50	2	0624241
		100	2	0624242
		150	2	0624243
		250	2	0624245
		500	2	0624249
	0.050	50	2	0624261
		100	2	0624262
		150	2	0624263
		250	2	0624265
		500	2	0624269
	0.075	50	2	0624271
		100	2	0624272
		150	2	0624273
		250	2	0624275
		500	2	0624279
	0.100	50	2	0624311
		100	2	0624312
		150	2	0624313
		250	2	0624315
		500	2	0624319
0.150	50	2	0624341	
	100	2	0624342	
	150	2	0624343	
	250	2	0624345	
	500	2	0624349	
1/16" OD	0.025	50	5	0624225
		100	5	0624226
		150	5	0624227
		200	5	0624228
		500	2	0624229
	0.050	50	5	0624251
		100	5	0624252
		150	5	0624254
		200	5	0624253
		500	2	0624250
	0.075	50	5	0624290
		100	5	0624291
		150	5	0624292
		200	5	0624293
		500	2	0624294
	0.100	50	5	0624301
		100	5	0624302
		150	5	0624304
		200	5	0624303
		500	2	0624300
	0.150	50	5	0624230
		100	5	0624231
		150	5	0624232
		200	5	0624233
		500	2	0624234
	0.175	50	5	0624351
		100	5	0624352
		150	5	0624354
		200	5	0624353
		500	2	0624350
	0.200	50	5	0624202
		100	5	0624203
		150	5	0624205
		200	5	0624204
		500	2	0624201
	0.300	50	5	0624214
		100	5	0624215
		150	5	0624216
		200	5	0624217
		500	2	0624218

ProteCol PEEK Unions Pkt 1 (2 unions + 4 ferrules)

For high pressure applications (above ≈150bar) stainless steel unions are recommended

1/16" to 1/16"	212009
1/16" to 1/32"	212010
1/16" to 0.36mm	212011
1/32" to 1/32"	222009
1/32" to 0.36mm	222010
0.36mm to 0.36mm	222011

ProteCol PEEK Ferrules (pkt 5)

ProteCol 1/16" to 1/16" PEEK Ferrules	213006
ProteCol 1/16" to 1/32" PEEK Ferrules	213007
ProteCol 1/16" to 0.36mm PEEK Ferrules	213008
ProteCol 1/32" to 1/32" PEEK Ferrules	223005
ProteCol 1/32" to 0.36mm PEEK Ferrules	223006
ProteCol 0.36mm to 0.36mm PEEK Ferrules	223007

PEEKsil Tubing Kits

ProteCol 1/16" tubing kit (50µm I.D. 100, 200, 300mm lengths x 5 ea.)	212012
ProteCol 1/32" tubing kit (50µm I.D. 100, 200, 300mm lengths x 5 ea.)	222008

ProteCol Flow Splitters

ProteCol Flow Splitter with 1/16" O.D. PEEKsil outlet	212001
ProteCol Flow Splitter with 1/32" O.D. PEEKsil outlet	222001
ProteCol Fused Silica Restriction Capillary for Flow Splitter (Pkt 2)	212003

ProteCol MicroFlow Meters

2 µL flow path volume (0.2 – 10µL/min)	222013
25 µL flow path volume (2.5 – 100µL/min)	222014

ProteCol 1/16" Accessory Kit

Includes : 2 x 1/16" – 1/16" stainless steel union; 3 x 1/16" – 1/16" double-end PEEK ferrules; 1 x in-line filter with 1/16" 50µm x 50mm PEEKsil tubing; 1 x 1/16" 50µm x 100 mm PEEKsil tubing; 1 x 1/16" 50µm x 150 mm PEEKsil tubing, positioning toolkit* (acrylic clamp, wrench and depth gauge)	212000
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ProteCol 1/32" Accessory Kit

Kit contains: 2 x 1/32" – 1/32" stainless steel union; 3 x 1/32" – 1/32" double-end PEEK ferrules; 1 x in-line filter with 1/32" 50µm x 50mm PEEKsil tubing; 1 x 1/32" 50µm x 100 mm PEEKsil tubing; 1 x 1/32" 50µm x 150 mm PEEKsil tubing, positioning toolkit* (acrylic clamp, wrench and depth gauge)	222000
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* Only required for "through" ferrules (1/16" to 1/16", 1/32" to 1/32", 0.36mm to 0.36mm).
The tool is not needed for "step" ferrules, which connect to two different tubing O.D.'s.

To talk with a technical expert, email support@sge.com.

View the ProteCol product range specifications and purchase online.

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Patent Pending



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