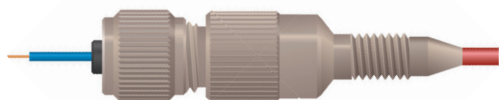


Micro Fluidic Transfer Products

For Micro and Nanoscale Applications

Pre-Column MicroFilter Assemblies



- Available for 1/16" OD tubing or 70-520µm OD capillary tubing
- Directly connects to HPLC column
- Pressure rated to 4,000psi (276 bar)
- Total void volume as low as 0.5µL
- Choose from 0.5µm stainless steel or PEEK™ frits

For Use with Tubing Sleeves for Capillary Tubing

Cat. No.	Description
57500	0.5µm Assembly, SS Frit for Capillary Tubing, Includes: (5) 0.5µm 52425 Frits, (1) 55172 and (1) 59416 Fitting
57510	0.5µm Assembly, PEEK™ Frit for Capillary Tubing, Includes: (5) 0.5µm 49735 Frits, (1) 55172 and (1) 59416 Fitting

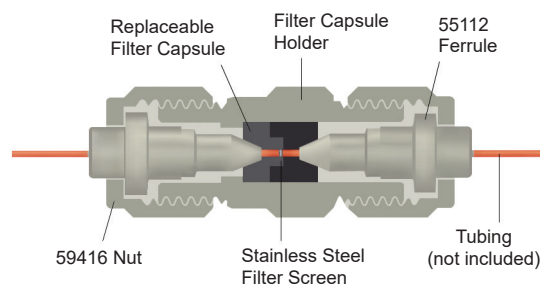
For use with 1/6" OD Tubing

Cat. No.	Description
57550	0.5µm Assembly, SS Frit for 1/16" OD Tubing, Includes: (5) 0.5µm 52425 Frits, (1) 55132 and (1) 59416 Fitting
57560	0.5µm Assembly, PEEK™ Frit for 1/16" OD Tubing, Includes: (5) 0.5µm 49735 Frits, (1) 55132 and (1) 59416 Fitting

Pre-Column MicroFilter Replacement Parts

Cat. No.	Description	Qty
52420X	SS Frits 2.0µm 0.038" x 0.028" x 0.192"	10
52425X	SS Frits 0.5µm 0.038" x 0.028" x 0.192"	10
55172	Black PEEK™ MicroFerrule for 0.025" OD Tubing	1
55132	Natural PEEK™ MicroFerrule for 1/16" OD Tubing	1
59416	PEEK™ Female Nut, 5/16-24 Internal Threads	1

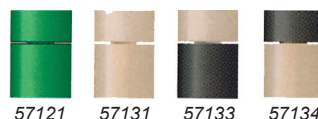
Mini MicroFilter Assemblies



- Total volume as low as 10nL
- Filter at nanoliter flow rates using 1 and 2µm porosity filter capsules
- Direct connect microfilters: Pressure rated to 5,000psi
- Micro filters using tubing sleeves: Pressure rated to 4,000psi

For Direct Connect use of 1/32" OD Tubing

Cat. No.	Description
13-1127	1µm Assembly, SST Screen, Void Volume 22nL, Includes: (5) 1µm 57133 Nano Filter Capsules, (2) 55112, and (2) 59416 Fittings
13-1128	1µm Assembly, Titanium Frit, Void Volume 22nL, Includes: (5) 1µm 57134 NanoFilter Capsules, (2) 55112, (2) 59416 Fittings



Mini MicroFilter Replacement Parts

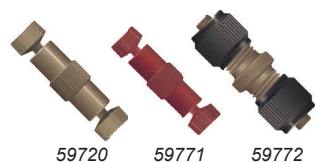
Cat. No.	Description	Qty
57121	1µm, PEEK™ Capsule w/ SS Filter Screen for 13-1120	2
57126	1µm, PEEK™ Capsule w/ Ti Frit for 57537 & 13-1138	2
57131	1µm Mini Microfilter Capsule, PEEK with SS Filter Screen for use with 13-1123	1
57133	1µm Mini Microfilter Capsule, PEEK with SS Frit, for use with 13-1127 & 13-1128	1
57134	1µm Mini Microfilter Capsule, PEEK with Titanium Frit, for use with 13-1127 & 13-1128	1
55112	Natural PEEK™ MicroFerrule for 1/32" OD Tubing	1
55172	Black PEEK™ MicroFerrule for 0.025" OD Tubing	1
59416	Natural PEEK™ Female Nut, 5/16-24 Internal Threads	1



Micro Fittings

- Works with our micro unions, adapters and inline microfilters
- Comes with ID specifically for 360µm and 1/32" OD tubing and our 0.025" OD tubing sleeves
- Make superior fingertight connections with your capillary tubing

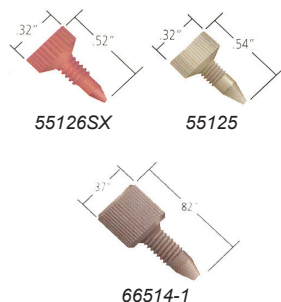
Cat. No.	Description	Qty
55125X	PEEK™ Standard Head Fitting 6-32 for use with Micro Sleeves	10
55126SX	Red PEEK™ Standard Head Fitting 6-32 for 1/32" OD Tubing (No sleeves required.)	10
55124X	PEEK™ Standard Head Fitting for 360µm OD Tubing	10
55148	Kel-F® Ferrule for 190µm OD Tubing, No Sleeves Required	1
55142	PEEK™ Ferrule for 1/16" OD Tubing, No Sleeves Required	1
55142NX	PEEK™ Tefzel® Ferrule for 1/16" OD Tubing	10
55151	Kel-F® Ferrule for 360µm OD Tubing, No Sleeves Required	1
57215	Conductive Perfluoroelastomer Ferrule for 360µm Tubing (No sleeves required for electrospray applications.)	1
55113X	PEEK™ Ferrule for 1/32" OD Tubing	10
55132	PEEK™ MicroFerrule for 1/16" OD Tubing	1
55152	PEEK™ MicroFerrule for 360µm OD Tubing	1
55172	Black PEEK™ MicroFerrule for 0.025" OD Tubing	1
55112	PEEK™ MicroFerrule for 1/32" OD Tubing	1
59416	PEEK™ Female Nut, 5/16-24 Internal Threads	1



- Tubing connections can be made with or without tubing sleeves
- Direct connection of 1/32" OD tubing and 360µm OD capillary/fused silica tubing

Unions, True Zero Dead Volume

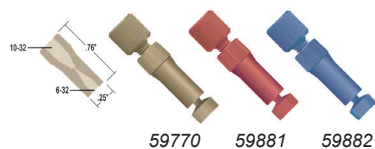
Cat. No.	Description
59720	PEEK™ Union 6-32 to 6-32, for use w/ Microtight Sleeves, Includes (2) 55125 Fittings and (1) 59553 Gauge Plug
59771	PEEK™ Union 6-32 to 6-32, Includes (2) 55126S Fittings and (1) 59553 Gauge Plug (No sleeves required for the connections.)
59772	PEEK™ Union 360µm OD to 360µm OD, Includes (2) 55152 Micro Ferrules and (2) 59416 Female Nuts (No sleeves required for connections.)



Replacement Components

for 59720, 59771 & 59772

Cat. No.	Description	Qty
59553	Delrin® Gauge Plug, 6-32	1
59554	Delrin® Gauge Plug, 6-32	1
66514-1	Natural PEEK™ 10-32 One Piece Fitting	5
55125	PEEK™ Std. Head Fitting for use w/ MicroSleeves, 6-32	1
55126SX	Red PEEK™ Std. Head Fittings for 1/32" OD Tubing, 6-32	10
59416	PEEK™ Female Nut, 5/16-24 Internal Threads	1
55152	PEEK™ MicroFerrule for 360µm OD Tubing	1



Microtight Adapters

Cat. No.	Description
59770	PEEK™ Adapter 10-32 to 6-32, Includes (1) 66514-1, (1) 55125 Fitting and (1) 59554 Gauge Plug
59881	PEEK™ Adapter 10-32 to 6-32, Includes (1) 55120R, (1) 55126S Fitting and (1) 59554 Gauge Plug
59882	PEEK™ Adapter 10-32 to 6-32, Includes (1) 55120B, (1) 55124 Fitting and (1) 59554 Gauge Plug



- Protects HPLC columns
- Void volume as low as 109nL
- Available in 1.0µm SS or 0.5µm PEEK™

Inline MicroFilter Assemblies

For use with Tubing Sleeves for Capillary Tubing

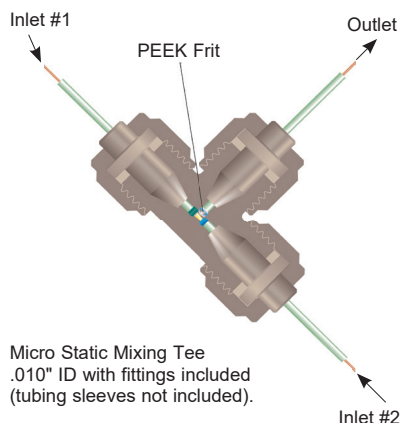
Cat. No. Description

57520	0.5µm Assembly, PEEK™ Frit, Includes (5) 0.5µm 57120 End Fittings, (2) 55125 Fittings
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Replacement Inline End Fittings

Cat. No. Description

Cat. No.	Description	Qty
57120X	Replacement Inline MicroFilter End-Fittings, Black with 0.5µm PEEK™ Frit	10
55125X	One-Piece PEEK™ Std. Head Nut 6-32, Coned for 70-12µm Tubing	10



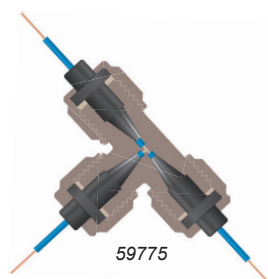
Micro Static Mixing Tee

Designed for flow rates of 20-250µL/minute and has a low swept volume of only .95µL (frit volume).

- Pressure rated to 5,000psi (345 bar)
- 0.5µm PEEK™ frit assists mixing
- PEEK™ and Kel-F® (PCTFE) construction chemically resistant & biocompatible
- Connect capillary tubing using our sleeves (Sleeves are NOT required for 1/16" OD tubing)

Cat. No. Description

57540	For 1/16" OD Tubing .010" (0.25mm), 0.95µL ID Void Volume, Inc. (3) 55132 & (3) 59416 Fittings
57540A	57540 without Frit, 9.5µL Void Volume
55132	PEEK™ MicroFerrule for 1/16" OD Tubing
59416	PEEK™ Female Nut, 5/16-24 Internal Threads



PEEK™ MicroTees and MicroCrosses

- Easily join capillary tubing
- Made entirely of PEEK™
- 5/16 – 24 coned
- Connect via our tubing sleeves or direct connections for 360µm and 1/32"OD tubing

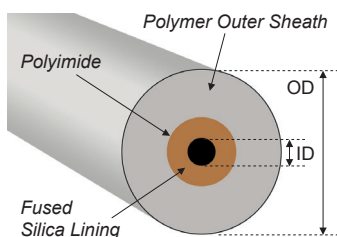
Cat. No. Description

59775	MicroTee for 0.025" OD Tubing (sleeves), 0.006" (150µm) ID, Void Volume 29nL, Includes (3) 55172 and (3) 59416 Fittings
59875	MicroTee with Mounting Hole for 0.025" OD Tubing (sleeves), 0.006" (150µm) ID, Void Volume 29nL, Includes (3) 55172 and (3) 59416 Fittings
59777	MicroCross for 0.025" OD Tubing (sleeves), 0.006" (150µm) ID, Void Volume 29nL, Includes (3) 55172 and (3) 59416 Fittings
59885	MicroTee for 1/32" OD Tubing, 0.006" (150µm) ID, Void Volume 29nL, Includes (3) 55112 and (3) 59416 Fittings
59887	MicroCross for 1/32" OD Tubing, 0.006" (150µm) ID, Void Volume 38nL, Includes (4) 55112 and (4) 59416 Fittings
59888	MicroTee for 360µm OD Tubing, 0.006" (150µm) ID, Void Volume 29nL, Includes (3) 55152 and (3) 59416BLK Fittings
59889	MicroCross for 360µm OD Tubing, 0.006" (150µm) ID, Void Volume 38nL, Includes (4) 55152 and (4) 59416BLK Fittings
59890	MicroTee for 1/16" OD Tubing, 0.006" (0.150µm) ID, Void Volume 58nL, Includes (3) 55132 Micro Ferrules, (3) 59416 Female Nut
59416	PEEK™ Female Nut, 5/16-24 Internal Threads
55152	PEEK™ MicroFerrule for 360µm OD Tubing
55112	PEEK™ MicroFerrule for 1/32" OD Tubing
55172	Black PEEK™ MicroFerrule for 0.025" OD Tubing

PEEKsil™ Tubing

- Fused silica tubing covered in PEEK™ tubing
- Do not cut this tubing
- Use as direct replacement for PEEK or SS tubing
- Use metal or PEEK fittings

Pressure Rating	
50 micron (0.002") ID	≤ 25,000 psi
100 micron (0.004") ID	≤ 15,000 psi
175 micron (0.007") ID	≤ 8,500 psi
200 micron (0.008") ID	≤ 6,000 psi



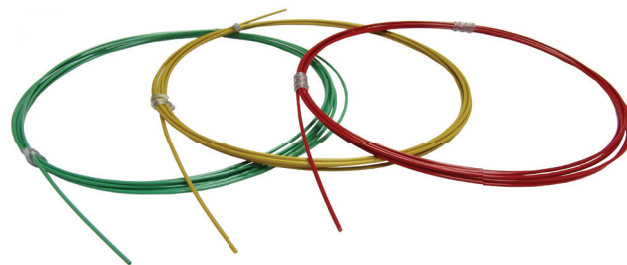
1/32" OD Tubing

Cat.No.	Capacity	Color	Length	Qty
325050	25µm (0.001") ID	Orange	50mm	2
325100	25µm (0.001") ID	Orange	100mm	2
325150	25µm (0.001") ID	Orange	150mm	2
325250	25µm (0.001") ID	Orange	200mm	2
325500	25µm (0.001") ID	Orange	500mm	2
350050	50µm (0.002") ID	Natural	50mm	2
350100	50µm (0.002") ID	Natural	100mm	2
350150	50µm (0.002") ID	Natural	150mm	2
350250	50µm (0.002") ID	Natural	200mm	2
350500	50µm (0.002") ID	Natural	500mm	2
375050	75µm (0.003") ID	Black	50mm	2
375100	75µm (0.003") ID	Black	100mm	2
375150	75µm (0.003") ID	Black	150mm	2
375250	75µm (0.003") ID	Black	250mm	2
375500	75µm (0.003") ID	Black	500mm	2

1/16" OD Tubing

Cat. No.	Capacity	Color	Length	Qty
625050	25µm (0.001") ID	Orange	50mm	5
625100	25µm (0.001") ID	Orange	100mm	5
625150	25µm (0.001") ID	Orange	150mm	5
625200	25µm (0.001") ID	Orange	200mm	5
625500	25µm (0.001") ID	Orange	500mm	2
650050	50µm (0.002") ID	Natural	50mm	5
650100	50µm (0.002") ID	Natural	100mm	5
650150	50µm (0.002") ID	Natural	150mm	5
650200	50µm (0.002") ID	Natural	200mm	5
650500	50µm (0.002") ID	Natural	500mm	2
675050	75µm (0.003") ID	Black	50mm	5
675100	75µm (0.003") ID	Black	100mm	5
675150	75µm (0.003") ID	Black	150mm	5
675200	75µm (0.003") ID	Black	200mm	5
675500	75µm (0.003") ID	Black	500mm	2
6100050	100µm (0.004") ID	Red	50mm	5
6100150	100µm (0.004") ID	Red	150mm	5
6100200	100µm (0.004") ID	Red	200mm	5
6100350	100µm (0.004") ID	Red	350mm	5
6100500	100µm (0.004") ID	Red	500mm	2

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Capillary PEEK™ Tubing

360µm (0.0145") OD x 5' Tubing

Cat.No.	Capacity	Color	PSI Rating	Qty
1050	50µm (0.002") ID	Natural	2,000psi (138 bar)	1
1070	100µm (0.004") ID	Red	2,000psi (138 bar)	1
1080	150µm (0.006") ID	Yellow	2,000psi (138 bar)	1

1/32" OD x 5' Tubing

1056-5	125µm (0.005") ID	Red	5,000psi (345 bar)	1
1056-5	175µm (0.007") ID	Yellow	5,000psi (345 bar)	1
1056-5	.25mm (0.010") ID	Blue	5,000psi (345 bar)	1

Fused Silica Tubing

360µm (0.0145") OD x 6.4' (2m) Tubing

Cat.No.	Capacity	Color	PSI Rating
1052	20µm (0.0008") ID	Natural	10,000 psi (690 bar)
1062	50µm (0.002") ID	Natural	10,000 psi (690 bar)
1072	75µm (0.003") ID	Natural	10,000 psi (690 bar)
1082	100µm (0.004") ID	Natural	10,000 psi (690 bar)
1092	150µm (0.006") ID	Natural	10,000 psi (690 bar)

Micro Tubing Sleeves

- For connecting capillary tubing
- Tubing sleeves, silica seal

FEP tubing sleeves 1/16" OD, 10/Pkg

Cat. No.	Capacity	Color
36395	395µm (0.015") ID, for 340-380µm OD Tubing	Green

PEEK™ Tubing Sleeves, 0.025" OD, 10/Pkg

Cat. No.	Capacity	Color
36395	230µm (0.009") ID, for 175-215µm OD Tubing	Natural
36395	395µm (0.0155") ID, for 340-380µm OD Tubing	Green

Also available for 1/32" od tubing - call for parts

For pricing, see analytical-sales.com