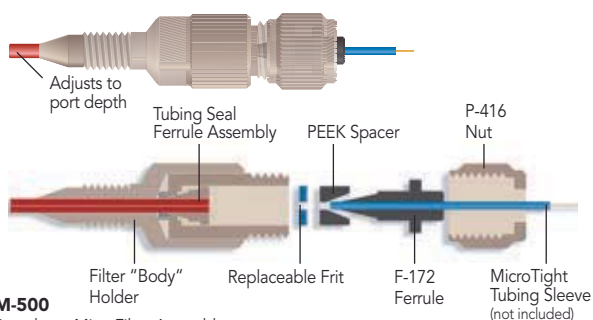


## Precolumn MicroFilters

- ▶ Direct connects to columns with 10-32 threads
- ▶ Total void volume of 0.5 µL
- ▶ Two versions: direct connect 1/16" OD tubing or use MicroTight® tubing sleeves for 70–520 µm OD capillary tubing

The Precolumn MicroFilters directly connect into your microbore or analytical column. Total theoretical void volume is only 0.5 µL (includes frit volume) and the PEEK tubing used in the assembly of these units has a 0.005" (125 µm) ID, virtually eliminating any mixing of the sample with the mobile phase.



**M-500**  
Precolumn MicroFilter Assembly  
(Includes indicated products)



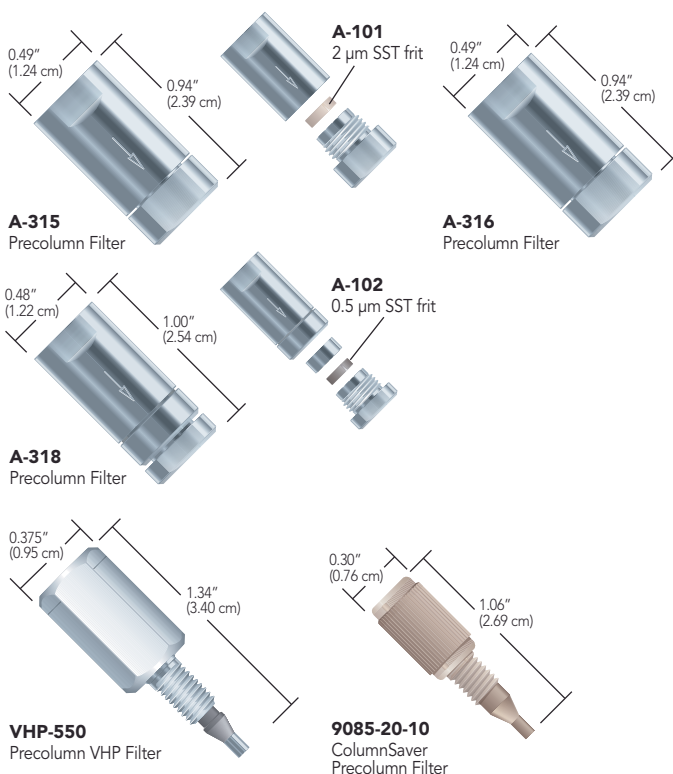
**VHP-550 and VHP-551**  
VHP Precolumn Filter  
Assembly and replaceable  
frit assembly

## Standard Precolumn Filters

- ▶ Economical protection for analytical columns in HPLC and UHPLC
- ▶ Traditional versions connect tubing on both sides
- ▶ Direct-connect versions attach to the inlet port of most standard columns
- ▶ All versions feature 10-32 coned ports for 1/16" OD tubing

These are designed to protect columns by filtering out particulate matter originating from the sample or from rotor seal wear.

- ▶ Assemblies that begin with the letter "A" are traditional versions for standard HPLC
- ▶ Assemblies that begin with "VHP" are direct-connect versions for UHPLC applications
- ▶ Versions that begin with "9085" are direct-connect for standard HPLC and must be used with polymer fittings



Part No.	Description	Porosity	For Tubing Size	Threads	Includes	Swept Volume*	Pressure Rating	Qty.
<b>PRECOLUMN MICROFILTER ASSEMBLIES</b>								
M-500	Precolumn MicroFilter Assembly, SST Frit	0.5 µm	MicroTight Tubing Sleeve	10-32 Coned	(5) C-425, (1) F-172, (1) P-416	0.5 µL	4,000 psi (276 bar)	ea.
M-510	Precolumn MicroFilter Assembly, PEEK Frit	0.5 µm	MicroTight Tubing Sleeve	10-32 Coned	(5) A-735, (1) F-172, (1) P-416	0.5 µL	4,000 psi (276 bar)	ea.
M-550	Precolumn MicroFilter Assembly, SST Frit	0.5 µm	1/16" OD	10-32 Coned	(5) C-425, (1) F-132, (1) P-416	0.5 µL	4,000 psi (276 bar)	ea.
★ M-560	Precolumn MicroFilter Assembly, PEEK Frit	0.5 µm	1/16" OD	10-32 Coned	(5) A-735, (1) F-132, (1) P-416	0.5 µL	4,000 psi (276 bar)	ea.
<b>REPLACEMENT PRECOLUMN MICROFILTER FRITS (FRIT DIAMETER X FRIT THICKNESS X OVERALL DIAMETER)</b>								
★ A-735x	PEEK Frits, 0.045" x 0.031" x 0.192"	0.5 µm	N/A	N/A	N/A	216 nL	N/A	10-pk
C-420x	SST Frits, 0.038" x 0.028" x 0.192"	2 µm	N/A	N/A	N/A	101 nL	N/A	10-pk
C-425x	SST Frits, 0.038" x 0.028" x 0.192"	0.5 µm	N/A	N/A	N/A	101 nL	N/A	10-pk
<b>PRECOLUMN FILTERS</b>								
★ A-315	Solvent Filter Assembly	2 µm	1/16" OD	10-32 Coned	(1) A-101	1.4 µL	6,000 psi (414 bar)	ea.
★ A-316	Solvent Filter Assembly	0.5 µm	1/16" OD	10-32 Coned	(1) A-102	1.3 µL	6,000 psi (414 bar)	ea.
★ A-318	Solvent Filter Assembly	0.5 µm	1/16" OD	10-32 Coned	(1) A-102	0.84 µL	6,000 psi (414 bar)	ea.
A-101x	Replacement Frits, Stainless Steel, 10-pk	2 µm	N/A	—	—	0.74 µL	N/A	10-pk
A-102x	Replacement Frits, Stainless Steel, 10-pk	0.5 µm	N/A	—	—	0.61 µL	N/A	10-pk
VHP-550	Precolumn VHP Filter	0.5 µm	1/16" OD	10-32 Coned	(5) VHP-551	1.9 µL	20,000 psi (1,380 bar)	ea.
VHP-555	Precolumn VHP Filter	0.2 µm	1/16" OD	10-32 Coned	(5) VHP-556	1.8 µL	20,000 psi (1,380 bar)	ea.
VHP-551x	Replacement Precolumn VHP Frit Assembly	0.5 µm	N/A	N/A	N/A	1.9 µL	N/A	10-pk
VHP-556x	Replacement Precolumn VHP Frit Assembly	0.2 µm	N/A	N/A	N/A	1.8 µL	N/A	10-pk
9085-05-10	ColumnSaver Precolumn Filter, with SST frit	0.5 µm	1/16" OD	10-32 Coned	N/A	3.1 µL	6,000 psi (414 bar)	10-pk
9085-20-10	ColumnSaver Precolumn Filter, with SST frit	2 µm	1/16" OD	10-32 Coned	N/A	3.1 µL	6,000 psi (414 bar)	10-pk

SST = Stainless Steel

\*Swept volumes include/reflect theoretical frit volume values.