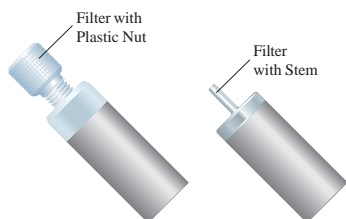


Inlet Solvent Filters and Accessories

General Use Inlet Solvent Filters



These economical filters are easy to replace! For those filters using a plastic nut, thread the nut into the filter and finger tighten. Our other filters have stems, allowing easy insertion directly into your inlet tubing.

Please note: The internal design of the A-309 and A-230A filter allow solvent to be drawn to within 1/8" of the bottom of your bottle.

Filters w/Plastic Nut for Analytical Systems (Max flow 40mL/min)

Cat. No.	Description	For Tubing	Comes with
A-220	10µm filter	1/8" OD	-*
A-221	A-220, 5/pk	1/8" OD	-*
A-222	2µm** filter	1/8" OD	-*
A-223	A-222, 5/pk	1/8" OD	-*
A-302A	10µm filter	1/8" OD	(1) P-315/P-300

* Requires but does not include P-100 fitting.

** Max flow 10mL/min

Filters w/Plastic Nut for Prep Systems (Max flow 100mL/min)

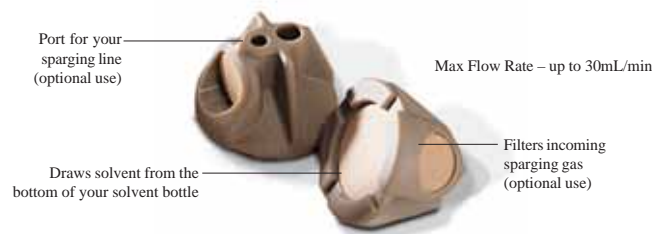
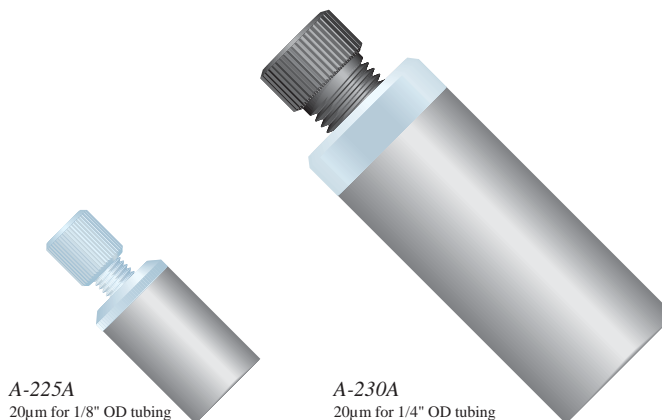
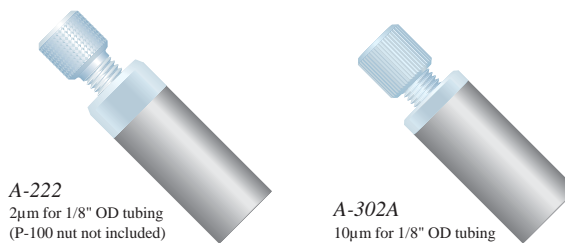
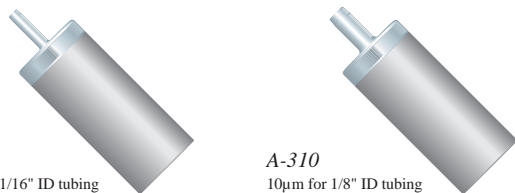
A-311A	10µm filter	1/8" OD	(1)P-315/P-300
A-225A	20µm filter	1/8" OD	(1)P-315/P-300N
A-227A	10µm filter	1/4" OD	(1)U-650/U-655
A-230A	20µm B.O.B.	1/4" OD	(1)U-650/U-655
A-231A	20µm filter	3/16" OD	(1)P-132/P-133
A-226A	10µm filter	5/16" OD	(1)U-662/U-660

Filters w/Stem for Analytical Systems

Cat. No.	Description	For Tubing	Max Flow
A-302	10µm filter	1/16" ID	40mL/min
A-309	10µm B.O.B.	1/16" ID	40mL/min
A-311	10µm filter	1/16" ID	100mL/min
A-225	20µm filter	1/16" ID	100mL/min
A-228	2µm filter	1/8" ID (Waters)	10mL/min
A-310	10µm filter	1/8" ID (Waters)	40mL/min

Inlet Solvent Filter Kits

Cat. No.	Kit Includes:
A-200	10µm kit: (5) A-220, (3') tubing, (1) P-100
A-201	2µm kit: (5) A-222, (3') tubing, (1) P-100
A-210	P-100 fitting and 3' Teflon (1/8" OD) tubing



100% PEEK Bottom-of-the-Bottle Filter

• Easy operation, no fittings required

For your convenience, we've included 2 filters in this unit; one in the bottom of the filter to draw solvents within .080" of the bottom of the filter, the other PEEK filter may be used for a 1/8" OD helium sparging line. To use, simply press fit your Teflon® tubing firmly into the top holes. *That's it!*

PEEK Bottom-of-the-Bottle Filter

Cat. No.	Description	For Tubing
A-435	2µm filter	1/8" OD
A-437	2µm filter, for small neck bottles	1/8" OD
A-440	10µm filter	1/8" OD
A-438	10µm filter, for small neck bottles	1/8" OD
A-436	2µm filter	3/16" OD*
A-441	10µm filter	3/16" OD*

*Typically for Waters® systems

UHMWPE Bottom-of-the-Bottle Filters



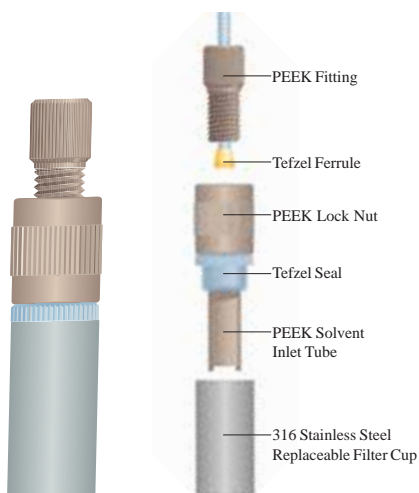
Max Flow Rate –
up to 5mL/min

The design of these solvent filters allows your tubing to pass through to the bottom of the filter cup. This feature enables the filter to draw solvent to within 0.10" of the bottom of your solvent bottle. The replaceable filter cups thread directly into the Tefzel body.

Please note: UHMWPE is a hydrophobic material. To establish proper surface wetting, you may need to prime the filter with methanol or acetonitrile.

UHMWPE Bottom-of-the-Bottle Filter

Cat. No.	Description	For Tubing	Comes with
A-445	10µm Filter	1/16" OD	(1)P-200/P-245
A-446	10µm Filter	1/8" OD	(1)P-300/P-345
A-447	10µm Filter	1/4", 5/16" OD	
A-427	Replacement 10µm solvent filter cups, 5/pk		



Bottom-of-the-Bottle
Inlet Solvent Filter

Max Flow Rates:
2µm – up to 10mL/min
10µm – up to 40mL/min

SS Bottom-of-the-Bottle Filters

- Draws solvent within 1/8" of the bottom of the bottle
- Replaceable stainless steel filter cups

The Bottom-of-the-Bottle filter systems which combines PEEK nuts, Tefzel seals and 316 stainless steel filter cups are completely reusable. To replace the filter cup, simply loosen the lock nut, pull the filter cup off, replace it with a new cup, and retighten the lock nut. Please note: The filter cups are interchangeable.

Bottom-of-the-Bottle Solvent Filters

Cat. No.	Description	For Tubing	Comes with
A-551	2µm filter	1/8" OD	(1)P-300/P-130
A-550	10µm filter	1/8" OD	(1)P-300/P-130
A-553	2µm filter	3/16" OD*	(1)P-133/P-132
A-552	10µm filter	3/16" OD*	(1)P-133/P-132

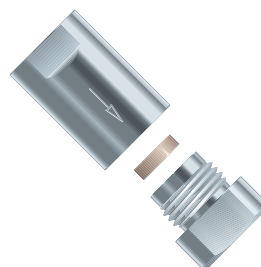
*Typically for Waters® systems

Replacement Stainless Steel Replaceable Filter Cups

Cat. No.	Description	Qty.
A-522X	2µm filter cups	10
A-520X	10µm filter cups	10

Inline Solvent Filter

- Excellent for general purpose inline use
- Easy to replace frits



Placed between the pump and sample injection valve, our inline solvent filter traps particles released through normal piston seal wear. Without an inline filter, these particles can be flushed through the capillary tubing to the sample injection valve, resulting in valve damage and further system contamination.

This filter uses a 2µm stainless steel frit with a PEEK ring. An 8° distribution cone spreads the flow of the mobile phase over the entire surface of the .094" diameter x .062" thick frit, while .050" diameter thru holes provide good solvent flow. The inlet and outlet connections are compatible with Upchurch, Swagelok, or Parker.

All materials are type 316 stainless steel and PEEK.

Cat. No. Description

A-314	2µm Inline solvent filter with A-100 frit
A-100X	2µm Replaceable frit, 10/pk

Solvent Debubbler

- Traps air bubbles
- Prevents pump cavitation
- Fits most teflon tubing

This solvent debubbler is a small, translucent reservoir with an air-tight cap. It is designed to remove bubbles from the pump inlet line of an HPLC system.



Bubbles entrained in the incoming mobile phase float upward in the housing (an action enhanced by special geometry) while an equivalent volume of displaced fluid passes on to the pump. Periodically the collected air can be replaced with additional solvent by simply loosening the cap, allowing the solvent to refill the housing. By preventing bubbles from entering the pump, associated problems of malfunctioning check valves and reduced or lost pump output are avoided. This is especially important in gradient systems.

The debubbler is constructed of materials chosen for their broad chemical compatibility. It is easy to install in the fluid path and comes with a mounting bracket for attaching it to an instrument or stand. Universal tip allows direct connection to the most commonly used tubing diameters.

Cat. No. Description

SS-10221	Debubbler with bracket and universal tip
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