

# Filtration In-Line Filters

## In-Line Filters

### Stainless Steel (Analytical)

- Removes particulates from flow path
- Minimizes sample peak dispersion

In-line Filters are available to protect expensive HPLC columns from damaging microparticulates. Using one of these filters between the injection valve and the column is recommended for all HPLC systems. The 3mm diameter filter element is recommended for use with conventional 4.6mm diameter columns. Column In-line Filters are supplied with two 6 cm L x 0.007 in. ID connecting tubes. Pressure rating is 5000 psi (345 bar).



#### Ordering Information

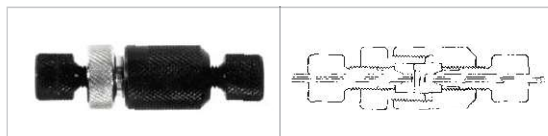
##### Stainless Steel In-Line Filters (Analytical)

Part No.	Description	Unit
<a href="#">AF0-0377</a>	In-line Filter with 0.5 µm Porosity x 3 mm dia. filter	ea
<a href="#">AF0-0378</a>	Replacement Filter Disks: 0.5 µm x 3 mm	5/pk

### Metal-Free/Biocompatible (Analytical)

- Biocompatible
- Virtually no band broadening or peak distortion
- Easy fingertight connection

This in-line filter assembly removes fine particles from the solvent stream without adding band broadening or peak distortion to your separation. Microparticulates down to 0.5µm are effectively removed before they have a chance to plug your column and degrade your separation. The Polyglas™ frit with fluoropolymer frit assembly design is fully biocompatible and easily installed using fingertight connections. Pressure-rated to 5000 psi (345 bar).



#### Ordering Information

##### Metal-Free/Biocompatible In-Line Filter (Analytical)

Part No.	Description	Unit
<a href="#">AF0-1736</a>	In-line Filter, 0.5 µm Frit	ea



For UHPLC system connections, see SecurityLINK™ UHPLC fingertight fitting system on pp. 325-326



For SecurityGuard™, the universal guard cartridge system, see p. 319

### KrudKatcher™

- Universal fit to virtually all manufacturers' analytical columns
- Saves expensive columns and equipment from damaging microparticulates
- Convenient, disposable in-line filter

There are two types of KrudKatchers depending on system backpressure and dead volume demands: the KrudKatcher Classic and the KrudKatcher Ultra.

Whereas conventional in-line filters typically cost much more and often require replacement parts and tools, the KrudKatcher is a simple, low-cost unit that is easily replaced and discarded when the backpressure indicates clogging or excessive particle build up. The universal connection is compatible with all standard 1/16 in. 10-32 internal threaded end-fittings used in columns, guard columns, injector valves, and other LC equipment.

#### The KrudKatcher Classic:

- Pressure-rated to **5000 psi (345 bar)**
- Hand-tightened connection



The KrudKatcher Classic houses an integrated 316 stainless steel depth filter that efficiently removes microparticulates from the flow stream with minimal contributions to system dead volume (2µL). The 2.0µm filter has a PEEK filter body and the 0.5µm has a stainless steel filter body.

#### Ordering Information

##### KrudKatcher Classic Disposable In-Line Filter (Analytical)

Part No.	Description	Unit
<a href="#">AF0-5728</a>	KrudKatcher Disposable Pre-Column Filter, 0.5 µm	10/pk
<a href="#">AF0-5727</a>	KrudKatcher Disposable Pre-Column Filter, 2.0 µm	10/pk

#### The KrudKatcher Ultra:

- Fits virtually all UHPLC / HPLC columns 1.0 to 4.6 mm ID
- Pressure rated to **20000 psi (1375 bar)**
- Extremely low dead volume minimizes sample peak dispersion

The KrudKatcher Ultra filter body houses an integrated 2.0µm 316 stainless steel depth filter that efficiently removes microparticulates from the flow stream without contributing to system backpressure or dead volume (<0.2 µL).



#### Ordering Information

##### KrudKatcher Ultra In-Line Filter (Analytical)

Part No.	Description	Unit
<a href="#">AF0-8497</a>	HPLC KrudKatcher Ultra Column In-Line Filter, 2.0µm Depth Filter x 0.004 in. ID	3/pk

KrudKatcher Ultra requires 1/16 in. wrench. Wrench not provided. See p. 417