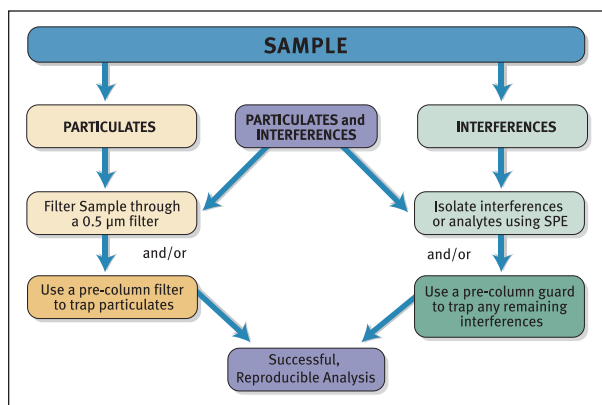


Thermo Scientific guards and filters provide an economical extension of column lifetime. Drop in designs are available for quick and easy guard and filter replacement. Guards are available to complement all Thermo Scientific columns.

## Column Protection

Extend column lifetime and improve performance



Choosing a guard or filter based on sample make-up

### Guards and Filters to Protect Your Analytical Column

To extend the lifetime and performance of your analytical and preparative columns, we recommend that they be protected from contamination by sample and solvent debris and interferences from the sample matrix. The most cost-effective and efficient way of trapping these unwanted system components is by use of filter or packed guards. Column performance should not be affected by adding a guard or filter unit to the HPLC system.

### Drop-in Guard Cartridges

Drop-in guard cartridges and holders offer convenience, economy and effective protection for extending analytical column lifetimes. Drop-in guard cartridges are available in all popular stationary phases, as well as other phases. Once contaminated, they should be disposed of and replaced with a new cartridge rather than performing a clean up. This ensures that your analytical column will perform at its optimum level and remain free from contamination.

## UNIGUARD Direct-Connection Guard Cartridge Holder

The UNIGUARD Holder is a convenient reusable direct-connection guard cartridge holder for 10 mm cartridges that attaches directly to the analytical column inlet. The stainless steel, fingertight direct connection design requires no additional tubing for maximum chromatographic efficiency.

## Stand-alone Guard Cartridge Holder

The Stand-alone Guard Cartridge Holder connects to the analytical column with short sections of tubing. The traditional design can be used with any brand of HPLC column, and uses the same convenient 10 mm drop-in guard cartridges as the UNIGUARD Cartridge Holder. When placed in-line using a short SLIPFREE connector, the Stand-alone Guard Holder provides excellent chromatographic efficiency.

## Javelin Direct-Connection Column Filter

Javelin filters are one-piece, self-contained, direct connection filters that are completely disposable, and provide convenient, easy-to-use protection for your analytical HPLC column. They are recommended for use as dedicated filters for a column, remaining attached to the column rather than to the HPLC system, even during column storage. The patented Javelin design has a 1/16" CPI tip that attached directly to the inlet of your HPLC column without the need for tubing or wrenches.

## Ordering Information

### Drop-in Guard Cartridges

Phase	Quantity	Particle Size	Length (mm)	4.6 mm / 4.0 mm ID	3.0 mm ID	2.1 mm ID	1.0 mm ID
Hypersil GOLD™	4	3 µm	10	25003-014001	25003-013001	25003-012101	25003-011001
	4	5 µm	10	25005-014001	25005-013001	25005-012101	25005-011001
Hypersil GOLD C8	4	3 µm	10	25203-014001	25203-013001	25203-012101	25203-011001
	4	5 µm	10	25205-014001	25205-013001	25205-012101	25205-011001
Hypersil GOLD aQ	4	3 µm	10	25303-014001	25303-013001	25303-012101	25303-011001
	4	5 µm	10	25305-014001	25305-013001	25305-012101	25305-011001
Hypersil GOLD PFP	4	3 µm	10	25403-014001	25403-013001	25403-012101	25403-011001
	4	5 µm	10	25405-014001	25405-013001	25405-012101	25405-011001
Hypersil GOLD CN	4	3 µm	10	25803-014001	25803-013001	25803-012101	25803-011001
	4	5 µm	10	25805-014001	25805-013001	25805-012101	25805-011001
BioBasic™ 18	4	5 µm	10	72105-014001	72105-013001	72105-012101	72105-011001
BioBasic 8	4	5 µm	10	72205-014001	72205-013001	72205-012101	72205-011001
BioBasic AX	4	5 µm	10	73105-014001	73105-013001	73105-012101	73105-011001
BioBasic SCX	4	5 µm	10	73205-014001	73205-013001	73205-012101	73205-011001
Hypersil™ BDS C18	4	3 µm	10	28103-014001	28103-013001	28103-012101	28103-011001
Hypersil BDS C18	4	5 µm	10	28105-014001	28105-013001	28105-012101	28105-011001
Hypersil BDS C8	4	5 µm	10	28205-014001	28205-013001	28205-012101	28205-011001
Hypersil ODS	4	3 µm	10	30103-014001	30103-013001	30103-012101	30103-011001
Hypersil ODS	4	5 µm	10	30105-014001	30105-013001	30105-012101	30105-011001
Hypercarb™	2	3 µm	10	35003-014001	35003-013001	35003-012101	35003-011001
Hypercarb	2	5 µm	10	35005-014001	35005-013001	35005-012101	35005-011001

Thermo Scientific Drop-in Cartridges are available in other phases. Please contact Customer Service for more information.

\*Note: 4.0 mm drop-ins are used for both 4.0 and 4.6 mm analytical columns.



### UNIGUARD Direct-Connection Guard Cartridge Holder

	4.6 mm / 4.0 mm ID	3.0 mm ID / 2.1 mm ID	1.0 mm ID
UNIGUARD Drop-in Holder	850-00	852-00	851-00
Standard Replacement Tip	850-RT	850-RT	850-RT
Waters® Columns Replacement Tip	850-WT	850-WT	850-WT



### Stand-alone Guard Cartridge Holder

	4.6 mm / 4.0 mm ID	3.0 mm ID	2.1 mm ID	1.0 mm ID
Stand-alone Guard Cartridge Holder	840-00	843-00	842-00	841-00



### Javelin Direct-Connection Column Filter

	Quantity	4.6 mm / 4.0 mm ID	3.0 mm ID	2.1 mm ID
Javelin Column Filter	4	88400	88700	88200

For technical tips and applications visit the **Chromatography Resource Center** at [www.thermo.com/columns](http://www.thermo.com/columns)

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