



# HAIFILTER™

*“...an ideal solution for high performance, in-line filtration needs.”*

- Low cost, yet effective column protection
- Direct column connection and symmetrical versions
- No tools required
- Leak free operation
- 0.5 $\mu$ m filters in stainless steel, titanium or PEEK
- Inert construction's threads won't oxidize or gall

*A simple, yet effective, means of protection is to place a filter in the flow path between the sample injection valve and the HPLC column. While this technique is commonly used, it is also commonly plagued by leaky holders and significant performance loss. The Higgins Analytical HAIFILTER resolves all of these problems!*

## Simplicity and Convenience

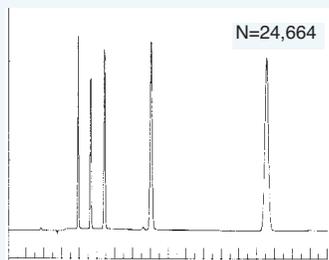
The Higgins Analytical HAIFILTER provides efficient and leak-free in-line filtration, yet it does not require any tools. To make it even more convenient, the HAIFILTER is designed to connect directly to the inlet fitting on the HPLC column, maximizing performance, and minimizing hardware. The 0.5 $\mu$ m porosity frits will remove much of the particulate contamination that is largely responsible for column pressure build up and plugging. The holder's inert construction, and the availability of PEEK and titanium as well as stainless steel frits, insures that the HAIFILTER can address all of your in-line filtration needs.



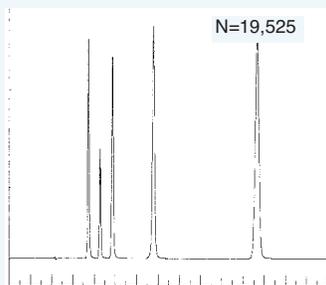
## Two Convenient Formats

HAIFILTER is now available in two formats. The leak-free, finger-tight, and efficient performance are qualities of the HAIFILTER that have made it a popular product, replacing the competition's awkward and leaky alternatives in hundreds of laboratories worldwide. The direct-connect feature in the original design makes the HAIFILTER FM ideal for protecting HPLC columns while the symmetrical female thread fittings on each end of HAIFILTER FF provide unequalled flexibility to address your HPLC system's filtration requirements.

HPLC Columns *without* a HAIFILTER

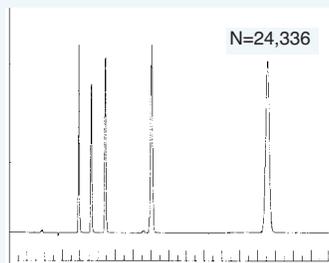


250x4.6mm (P/N LS-2546-C185)

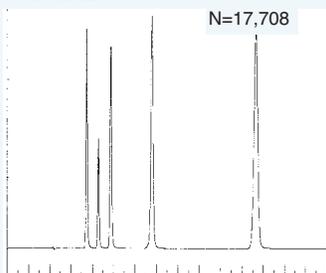


250x2.1mm (P/N HS-2546-M185)

HPLC Columns *with* a HAIFILTER



250x4.6mm (P/N LS-2546-C185)



250x2.1mm (P/N HS-2546-M185)



FILTER replacement is easy and requires no tools

**Performance**

Try the experiment summarized by the chromatograms above with another manufacturer's in-line filter. You may be very surprised how much more other in-line filters contribute to peak broadening when comparison to the minuscule 28µL<sup>2</sup> at 200µL/min volume-variance that is

obtained with the HAIFILTER. This exceptional efficiency is confirmed by chromatographers reporting that using a HAIFILTER permits the routine analysis of solid-phase sample extracts by LC/MS with good efficiency and greatly enhanced HPLC column life.

**Flexibility**

Not only is the HAIFILTER available in two formats, it can also be directly connected to a sample injection or switching valve. The photograph to the right demonstrates how the HAIFILTER has been designed to clear the bushings on a popular Rheodyne sample injection valve.



**HAIFILTER™ Ordering Information**

**HAIFILTER FM (Female/Male) Starter Kits**

HF-FKIT	HAIFILTER FM (Standard)	\$270
HF-WKIT	HAIFILTER FM (for Waters HPLC columns)	\$270
HF-RKIT	HAIFILTER FM (for Rheodyne injection valves - Specify valve model when ordering)	\$270

Note: HAIFILTER FM Starter Kits include a package of 10 filters (HF-SFILT), a 10cm piece of PEEK tubing, and a Delrin bushing and a PEEK ferrule.

**HAIFILTER FF (Female/Female) Starter Kit**

FF-FKIT	HAIFILTER FF	\$270
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Note: The HAIFILTER FF Starter Kit includes a package of 10 filters (HF-SFILT), two 10cm pieces of PEEK tubing, and two Delrin bushings and two PEEK ferrules.

**Replacement Filters**

All replacement kits contain 10 filters per package			
HF-SFILT	Stainless steel HAIFILTER replacement filters	(pkg of 10)	\$85
HF-TFILT	Titanium HAIFILTER replacements filters	(pkg of 10)	\$140
HF-PFILT	PEEK HAIFILTER replacements filters	(pkg of 10)	\$160

