

Special Fittings Are Not Required for Column Filters - Tech Information

Date: 22-APRIL-2012 Last Updated: 23-FEBRUARY-2026

Overview

Cogent pre-column filters are engineered for universal compatibility with standard HPLC column hardware. Their design ensures straightforward installation without the need for any specialized tools or proprietary connection components.

Fitting Compatibility

Cogent Column Filters are fully compatible with standard 1/16" fittings using 10-32 internal threading. This widespread specification is supported across most modern HPLC systems, allowing the filters to integrate seamlessly with both guard columns and analytical columns.

Because the filter housing adheres to industry-standard dimensions, users can rely on consistent fit and dependable sealing performance across nearly all major HPLC brands.

Installation Guidance

To ensure optimal sealing and performance:

1. Finger-tighten the filter directly into the inlet side of the guard column or analytical column.
2. Insert your stainless-steel or PEEK tubing into the inlet side of the filter using a standard finger-tight male nut.
3. Once the filter feels snug, apply an additional 1/8 turn to secure the seal without over-tightening.

This installation method ensures a leak-free connection while avoiding mechanical stress on the filter housing or column threads.

