

ProteCol™

In-Line Filters



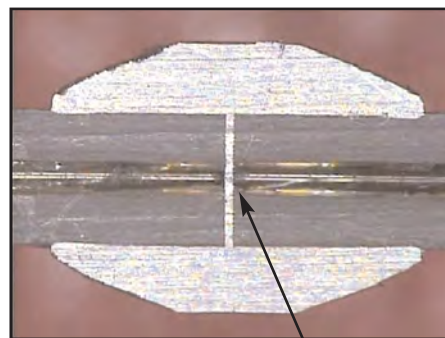
Particulate protection for your columns

- Zero dead volume filter design
- Zero pressure drop across filter
- Zero compromise on performance

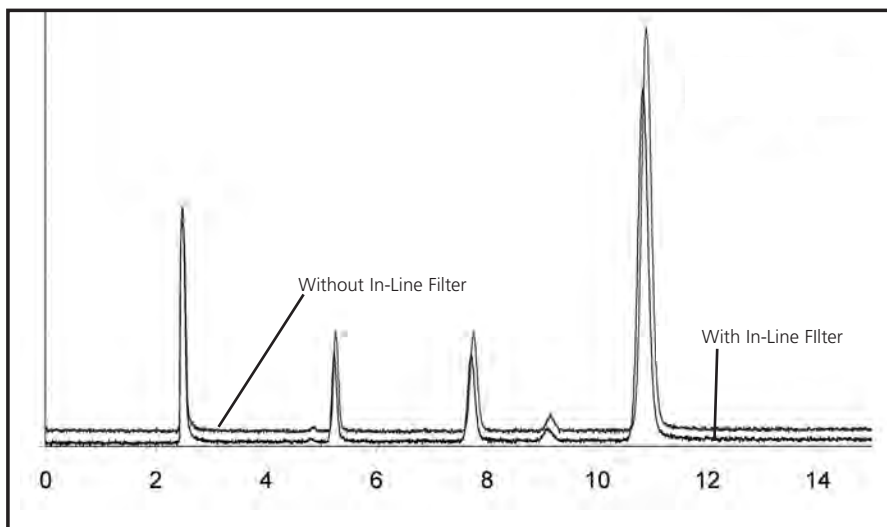
The ProteCol In-Line Filter is a simple and effective way to protect your capillary columns from particulates. It protects your system from blockages and increased back pressures without introducing peak tailing or loss of resolution.

The filtering element itself is a 2 micron porosity screen, located between the square-cut and polished ends of two lengths of PEEKsil™ tubing ("tails"). The construction of the in-line filter minimizes dead volume, providing optimum column performance.

In-line filters are available with both 1/16" and 1/32" O.D. PEEKsil tails, providing versatility in connectivity and flexibility. The ends of the tails are precisely square cut and polished to achieve zero dead volume connections using ProteCol Unions.



2 micron screen



Column: 300 μ m x 150mm
 ProteCol C18, 3 μ m, 120 \AA
 60% AcCN : 40% water
 4.2 μ L/min
 Test Mix:
 Pyridine
 Methyl Benzoate
 Phenetole
 Naphthalene

Figure 1.
 Chromatograms run with and without the in-line filter, showing no effect on resolution.

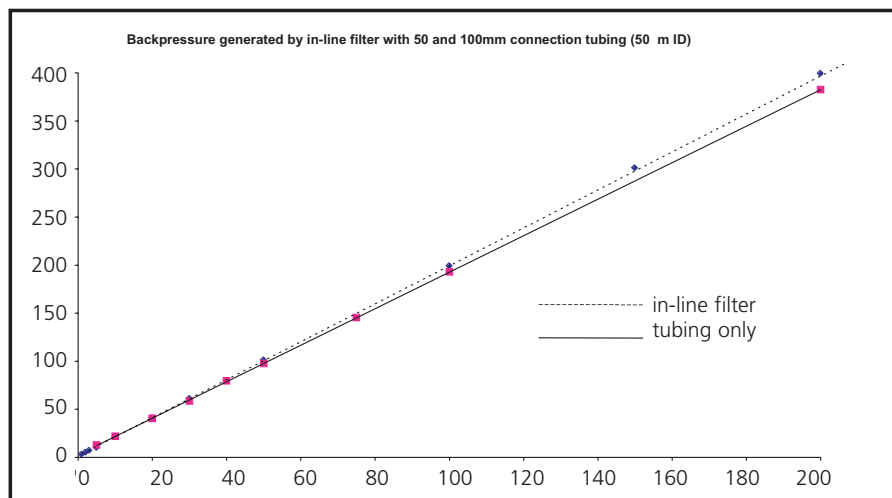


Figure 2.
 Comparison of back pressure of in-line filter compared to same length of PEEKsil tubing - demonstrating there is negligible back pressure contribution from the filter element.

For a full listing of all ProteCol products, specifications and part numbers, please see the ProteCol Ordering Information data sheet.

To talk with a technical expert, email support@sge.com.

View the ProteCol Inline Filter specifications and purchase online.

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