

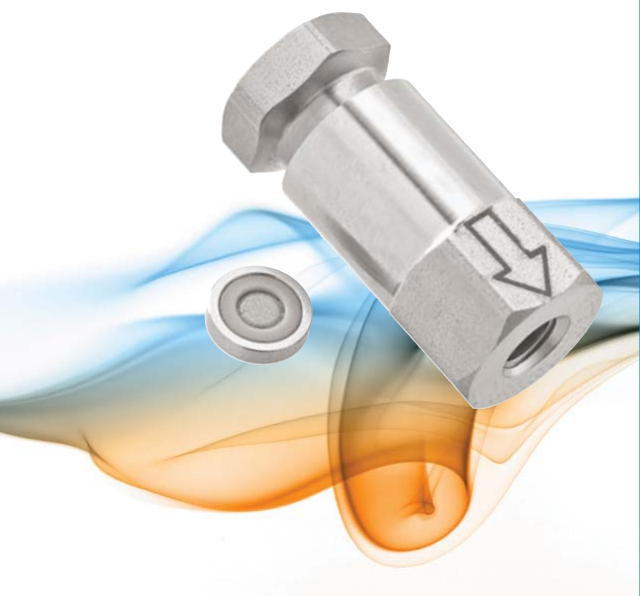
# UHPLC Filters

Protect Your Column and Chromatographic Performance



## UltraShield UHPLC Precolumn Filter

- Economical protection against microparticles.
- Extend UHPLC column lifetime.
- Negligible effect on column performance.
- Universal fit—easily connects directly to any brand column.
- Leak-tight to 15,000 psi (1034 bar).
- Does not contribute to system back pressure.
- Does not contribute to band broadening.



## UltraLine UHPLC In-Line Filter

- Cost-effective protection for UHPLC systems.
- Installs quickly with standard UHPLC fittings.
- Includes replaceable filter element.
- Low dead volume supports many applications.
- Leak-tight to 15,000 psi (1034 bar).

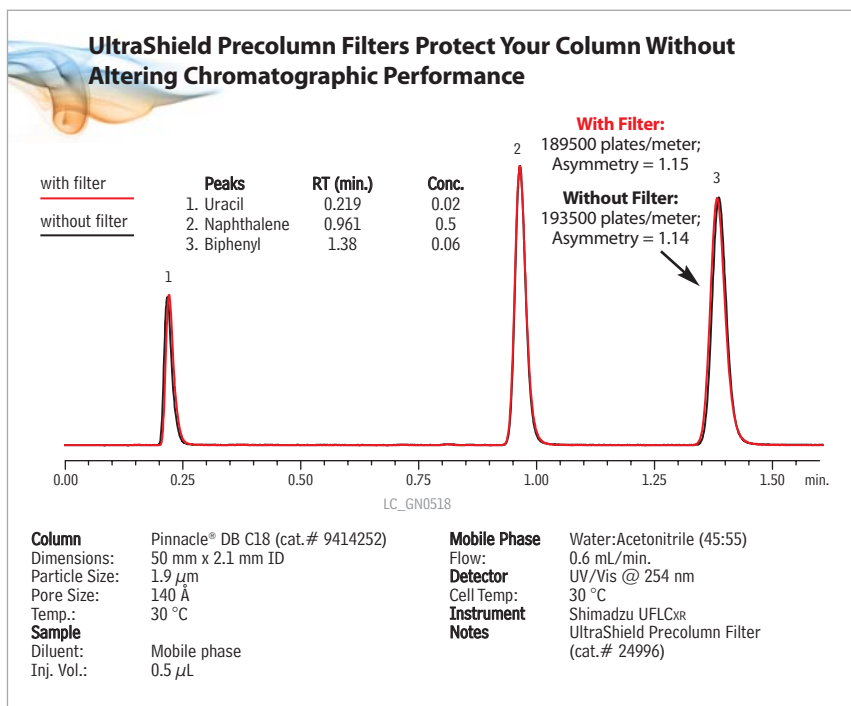
## UltraShield UHPLC PreColumn Filter

UltraShield precolumn filters provide cost-effective protection from the harmful effects of sample and mobile phase particulates on UHPLC and HPLC columns. These filters were engineered specifically for fast, high efficiency separations that require high mobile phase velocities and ultra-high system pressure. UltraShield filters maintain the efficiency of high performance columns and assure no loss of resolution. Direct connect UltraShield filters install easily on any column in seconds and are leak-tight up to 15,000 psi (1034 bar). Protect expensive columns and instruments by using UltraShield precolumn filters.

Inlet/Outlet: Female/Male 10-32  
 Port Geometry: Parker (1/16" CPI)  
 Material: Stainless Steel, PEEK ferrule  
 Filter: 0.5 µm Titanium  
 Pressure Rating: 15,000 psig  
 Wrench Flat: 5/16"



| Description                        | qty.   | cat.# |
|------------------------------------|--------|-------|
| UltraShield UHPLC PreColumn Filter | ea.    | 24995 |
| UltraShield UHPLC PreColumn Filter | 5-pk.  | 24996 |
| UltraShield UHPLC PreColumn Filter | 10-pk. | 24997 |



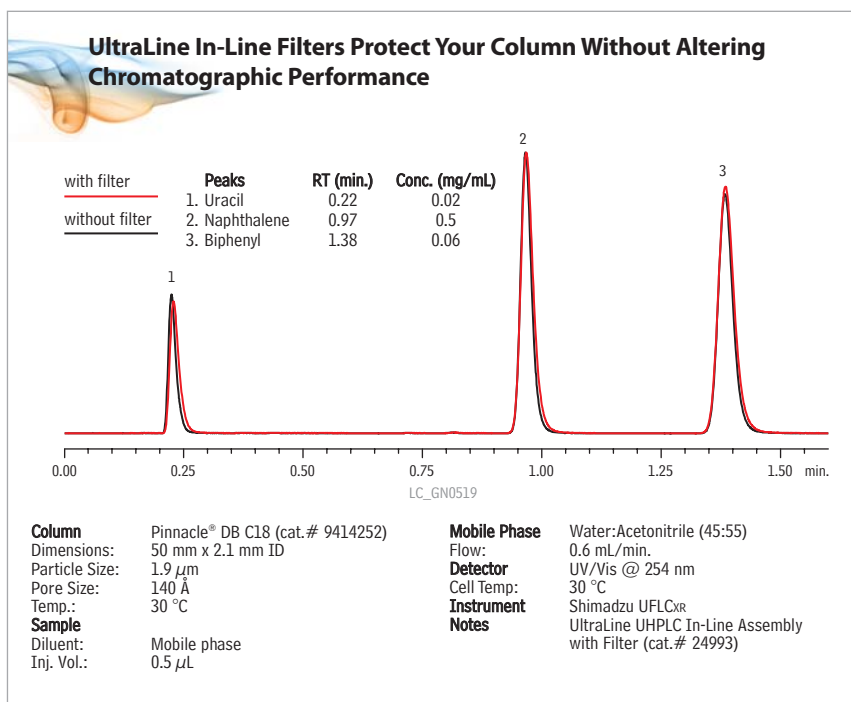
## UltraLine UHPLC In-Line Filter

UltraLine in-line filters provide economical protection from the harmful effects of sample, mobile phase, and UHPLC system particulates. The UltraLine in-line filter was engineered and designed to be used anywhere in a UHPLC system where additional filtration is required. The low dead volume of this filter maintains the efficiency of high performance columns and injection systems, assuring a negligible loss of critical resolution. With its simple design, the UltraLine filter installs in the UHPLC system in seconds and is leak-tight to 15,000 psi (1034 bar). Try one today!

Inlet/Outlet: Female/Female 10-32  
 Port Geometry: Parker (1/16" CPI)  
 Material: Stainless Steel housing  
 Filter: 0.5 µm Stainless Steel,  
 0.125" W x 0.062" T, 5 µL volume  
 Pressure Rating: 15,000 psig  
 Wrench Flat: 3/8"



| Description   | qty.  | cat.# |
|---|-------|-------|
| UltraLine UHPLC In-Line Filter (In-Line Assembly with Filter) | ea.   | 24993 |
| UltraLine Replacement Filters                                 | 5-pk. | 24994 |



### PATENTS & TRADEMARKS

Restek patents and trademarks are the property of Restek Corporation. Other trademarks appearing in Restek literature or on its website are the property of their respective owners.

# RESTEK

**Restek U.S.** • 110 Benner Circle • Bellefonte, PA 16823 • 814-353-1300 • 800-356-1688 • fax: 814-353-1309 • [www.restek.com](http://www.restek.com)  
**Restek France** • phone: +33 (0)1 60 78 32 10 • fax: +33 (0)1 60 78 70 90 • e-mail: [restek@restekfrance.fr](mailto:restek@restekfrance.fr)  
**Restek GmbH** • phone: +49 (0)6172 2797 0 • fax: +49 (0)6172 2797 77 • e-mail: [info@restekgmbh.de](mailto:info@restekgmbh.de)  
**Restek Ireland** • phone: +44 (0)2890 814576 • fax: +44 (0)2890 814576 • e-mail: [resteurope@aol.com](mailto:resteurope@aol.com)  
**Restek Japan** • phone: +81 (3)6459 0025 • fax: +81 (3)6459 0025 • e-mail: [ryosei.kanaguchi@restek.com](mailto:ryosei.kanaguchi@restek.com)  
**Thames Restek U.K. LTD** • phone: +44 (0)1494 563377 • fax: +44 (0)1494 564990 • e-mail: [sales@thamesrestek.co.uk](mailto:sales@thamesrestek.co.uk)

Lit. Cat.# GNTS1296

© 2010 Restek Corporation.

ISO 9001:2008  
 cert.# FM80397