

## EXP STEM FILTER

Modern UHPLC and UHPLC/MS instrumentation pushes the envelope in fluid-handling with tiny passages and extremely high pressures. At any time, an unprotected system is virtually a stray 1um seal fragment away from failure, loss of priceless data continuity, and subsequent troubleshooting and repair. The best assurance against this costly prospect comes from safeguarding your system with thorough filtration.

The EXP Stem Filter features a choice of frit porosities integrated with our patented auto-adjusting stem for repeated ZDV connections with any 10-32 port. The entire filter stem and reusable holder are only slightly larger than a standard HPLC fitting. This slim architecture allows it to easily fit into crowded instrument compartments, tightly spaced injection ports, and anywhere else you need an extra level of protection against clogging and contamination. The EXP Stem Filter is an ideal solution to protect expensive UHPLC columns, injectors, autosamplers, and MS electrospray tips without extra-column effects.

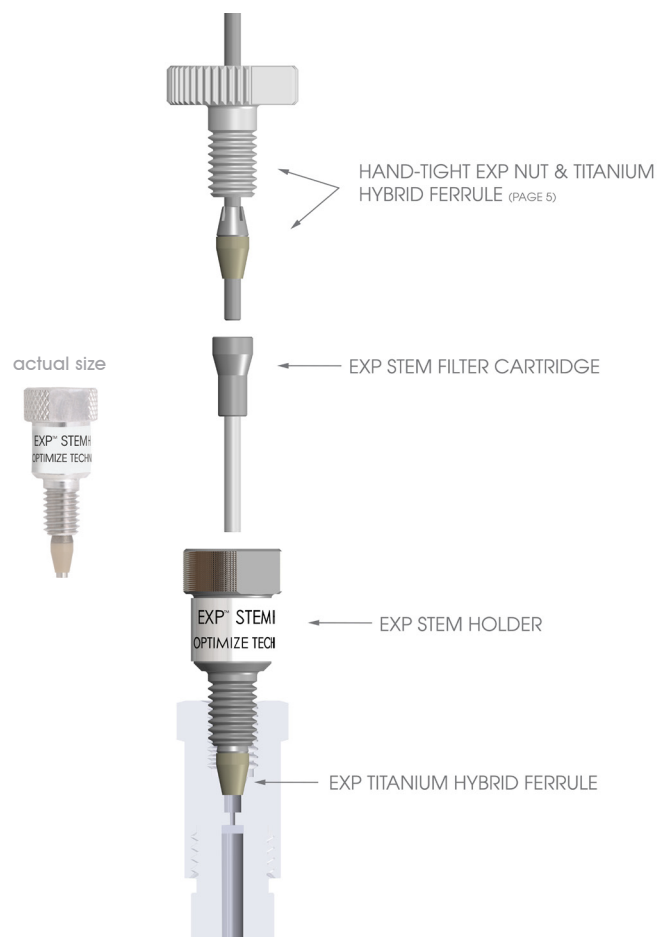
When tightened by hand, the EXP Stem Filter seals to 8,700+ psi. The reusable holder hardware also incorporates wrench flats to enable flawless sealing to 20,000+ psi (1,400 bar). The EXP Stem Filter is the ultimate low-impact protection for your expensive UHPLC and MS equipment, assuring trouble-free performance so you can concentrate on the data, not troubleshooting.

## ADVANTAGES OF EXP STEM FILTERS

- Approved for use at 20,000 psi
- Hand-tight and wrench-tight configuration
- Reusable holder intended for many repeat uses
- Auto-adjusting ZDV connection
- Low-dispersion cartridges
- Custom volumes/porosities available
- Ultra-low .27 µL total swept volume

# UHPLC

[www.optimize-tech.com/exp](http://www.optimize-tech.com/exp)



### EXP STEM FILTER KIT

15-04-04122      0.2 µm, **EXP** Stem Filter Kit

15-04-04123      0.5 µm, **EXP** Stem Filter Kit

Kit includes: Holder, Ferrule & 3 Stem Filter Cartridges.

### EXP STEM FILTER REPLACEMENT CARTRIDGES

15-04-04117      0.2 µm, **EXP** Stem Filter Cartridge, 5/Pk

15-04-04119      0.5 µm, **EXP** Stem Filter Cartridge, 5/Pk

### EXP OPTIONAL CONNECT FITTINGS

15-20-03888      10-32 Hand-Tight Nut & Titanium Ferrule (recommended)

15-20-04120      10-32 Standard Hex Head Nut & Titanium Hybrid Ferrule