



UCT, Inc.

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Selectra®

Guard Column Cartridge and Direct Connect Holder

UCT introduces **Selectra®** Guard Column and Direct Connect Holder. Extend your U/HPLC column lifespan by capturing sample contaminants and eliminating abnormal fluctuations in backpressure. Connect directly with the auto-adjusting titanium hybrid ferrule and EXP Fittings. *Easy to use, Designed to fit, Built to last and Engineered to perform, Selectra®.*

Hand-Tightening Capabilities

Change guard column cartridges easily with no tools necessary.

Guard column cartridges

Available with IDs of 2.1, and 4.6 mm.

Titanium hybrid ferrules

Install repeatedly without compromising the high-pressure seal. (Patented)

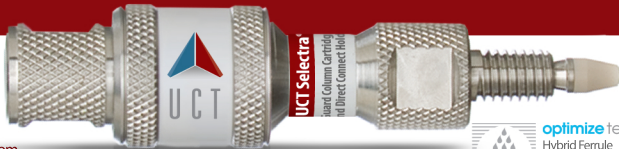
Orders (U.S. and Global)
Please contact your UCT regional sales rep.

Technical Services

Phone: 1-800-356-1688

Email: info@unitedchem.com

For a full selection of guard column cartridges, holders, and replacement products, visit unitedchem.com



optimize technologies

Hybrid Ferrule

U.S. Patent No. 8201854

The Optimize Technologies

EXP Holders are Patent Pending.

Other U.S. and Foreign Patents Pending

Guard Column Cartridge Installation

1. Insert the unidirectional **Selectra**® guard column cartridge (sold separately) into the holder body.
2. Screw the holder cap onto the holder body and fully tighten by hand (about 1/8-turn past point of initial resistance). Your connection is now rated to 20,000+ psi (1,400 bar).



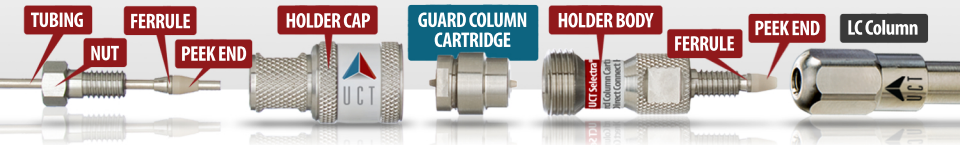
Failure to fully hand-tighten the holder cap (about 1/8-turn past point of initial resistance) may result in leakage or damage to the guard column cartridge.

Connecting Holder into a Selectra® LC Column

1. Slide the ferrule into the front end of the holder body so that the PEEK end of the ferrule is facing away from the holder body.
2. Thread the holder body into the **Selectra**® LC column to the point of initial resistance. Push the holder body into the column, fully tighten by hand. Your connection is now rated to 8,700+ psi (600+ bar).
3. For a 20,000+ psi (1,400 bar) connection, continue to push the holder body into the column and use a 5/16" wrench to tighten the holder body an additional 1/4 – 1/2 turn past hand-tight.



The PEEK end of the ferrule will deform from repeated excessive tightening, but the resulting UHPLC connection will still perform well. For best results, tighten a maximum of 1/4 – 1/2 turn past hand-tight.



Guard Column Cartridge Replacement

To replace the **Selectra**® guard column cartridge, simply unscrew the holder cap by hand, insert a new cartridge, replace the holder cap, and fully tighten the holder cap by hand. (Guard Column Cartridges sold separately)