

Restek Trident LC Column Protection System

cat.# 27470, 27471, 27472, 27473, 27474, 27475

The versatile and reliable Trident LC column protection system offers the choice of three levels of protection in one convenient system. Choose filter only, guard cartridge only, or both filter and guard cartridge. The Trident LC column protection system can be used with all HPLC columns with standard 10-32 ports* and has replaceable cap frit filters and an array of 10 mm guard cartridge options.

Level 1 — Trident Filter

(Each: 27470; 4-pack: 27471)

1. Open the Trident holder by unscrewing the two halves of the holder.
2. Install a cap frit filter on the filter end fitting by pressing firmly by hand and then reassemble the holder.
3. Use two ½" wrenches to tighten the holder approximately ¼-turn past finger tight. Do not overtighten.
4. Install onto analytical column (see below).

Level 2 — Trident Guard Cartridge Holder

(Each: 27472; 4-pack: 27473)

1. Open the Trident holder by unscrewing the two halves of the holder.
2. Insert a guard cartridge and then reassemble the holder.
3. Use two ½" wrenches to tighten the holder approximately ¼-turn past finger tight. Do not overtighten.
4. Install onto analytical column (see below).

Level 3 — Trident Filter and Guard Cartridge Holder

(Each: 27474; 4-pack: 27475)

1. Open the Trident holder by unscrewing the three parts of the holder.
2. Install a cap frit filter on the filter end fitting by pressing firmly by hand and then reassemble the two fittings.
3. Use two ½" wrenches to tighten the holder approximately ¼-turn past finger tight. Do not overtighten.
4. Insert a guard cartridge into the cartridge and filter fitting and then reassemble.
5. Use two ½" wrenches to tighten the fittings approximately ¼-turn past finger tight. Do not overtighten.
6. Install onto analytical column (see below).

For all Levels — Install the Assembled Trident Holder onto Your Analytical Column

1. Thread the assembled holder onto the analytical column, making sure to use a Trident PEEK ferrule. Using a ferrule other than a Trident PEEK ferrule may result in a poor connection.
2. Firmly hand tighten. Wrench tightening not required.

Replacement Parts

PEEK Ferrules: 27476 (10-pack)

* Fittings on all LC columns have 10-32 threads; however, seat depth varies. An improper seat will yield a poor connection and may affect chromatography. While all Restek LC columns will provide a zero-dead-volume connection when used with a properly installed Trident LC column protection system, analysts should consult the manufacturer for non-Restek column connections. A detailed discussion about port configurations can be found at http://www.restek.com/Pages/faq_lc#top

Questions about this or any other Restek product?

Contact us or your local Restek representative (www.restek.com/contact-us).

Restek patents and trademarks are the property of Restek Corporation. (See www.restek.com/Patents-Trademarks for full list.) Other trademarks in Restek literature or on its website are the property of their respective owners. Restek registered trademarks are registered in the U.S. and may also be registered in other countries.

© 2018 Restek Corporation. All rights reserved. Printed in the U.S.A.

www.restek.com

#730-10-006 Rev. date: 06/18

Level 1: Filter Only

Protection against particulate matter



Level 2: Guard Cartridge Only

Protection against irreversibly adsorbed compounds



Level 3: Filter and Guard Cartridge

Protection against both particulate matter and irreversibly adsorbed compounds



Installed onto Column



RESTEK
Pure Chromatography