

# Trident Integral HPLC Guard Column System

The Trident system's foundation consists of the analytical column configured with our exclusive Trident end fitting and XF end fitting. You can order any Restek HPLC column with this configuration simply by adding a "-700" suffix to the catalog number for the column. The external cap frit in the XF end fitting can be replaced by removing the XF end fitting, pulling off the old frit, and pushing a new frit into place. When replacing the XF end fitting, tighten less than 1/8 turn past finger-tight—there is no need to overtighten this connection.

For maximum protection against particulate matter and sample contaminants, the system can be configured with both an integral guard cartridge and a replaceable external frit. To assemble this configuration; remove the XF end fitting; insert the appropriate 10 mm or 20 mm guard cartridge into the Trident end fitting; attach an XG-XF fitting (cat.# 25026) to the Trident end fitting; and connect the XF end fitting to the XG-XF fitting. Do not overtighten any of these connections.



Assembled column with Trident integral guard system. To order, add "-700" to the catalog number of the column, and order guard cartridges and the XG-XF fitting separately.



Remove the XF end fitting and install the guard cartridge in the end of the column.



Add the XG-XF fitting.



Reinstall the XF end fitting with cap frit.



The cap frit can be easily replaced if it becomes contaminated/plugged.

## Replacement parts for the Trident guard column system

Description	qty.	cat.#
XF Fitting	ea.	25024
XG-XF Fitting for 10 mm Guard Cartridge	ea.	25026

Description	ID	Porosity	qty.	cat.#
Replacement Cap Frit Filters	4 mm	2.0 µm	5-pk.	25022
	4 mm	0.5 µm	5-pk.	25023
	2 mm	2.0 µm	5-pk.	25057

## Restek guard column cartridges also can be used with Trident Direct holders:

Description	Type	Includes	qty.	cat.#
Trident LC Column Protection System	Level 3: Filter Holder and Cartridge Holder Power Pack	filter holder; cap frit filter (4 mm, 2.0 µm); cartridge holder; and PEEK ferrule	ea.	27474

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