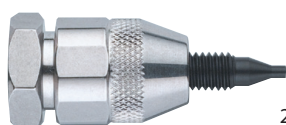


Trident Direct Guard Column System

Easy to Use, Low Dead Volume—The Ultimate Combination of Convenience and Column Protection

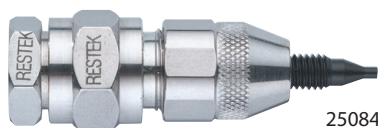
Trident Direct provides 3 levels of protection



25082

High-pressure filter

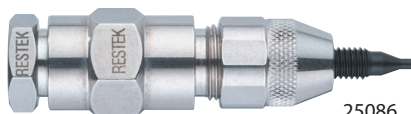
Protection against particulate matter.



25084

10 mm guard cartridge holder with filter

Protection against particulate matter and moderate protection against irreversibly adsorbed compounds.



25086

20 mm guard cartridge holder with filter

Protection against particulate matter and maximum protection against irreversibly adsorbed compounds.



Cap frits

Unlike “one size fits all” guard systems, the Trident Direct system gives you the power to select the right level of protection for your analysis. The system offers 3 levels of protection and guard cartridges in 4 dimensions, with a variety of bonded phases to match your analytical column. The economical, leak-free cartridge design provides an unprecedented combination of convenience, economy, and reliability. The foundation of the Trident Direct system is a reusable direct connect holder that easily attaches to any HPLC column using CPI- or Waters-style end fittings.* The system is available in configurations to match different protection level needs: in-line filter, in-line filter with holder for 10 mm guard cartridge, and in-line filter with holder for 20 mm guard cartridge. The guard cartridges are available in 2.1 and 4.0 mm ID and are interchangeable within the appropriate length holder.

Features & Benefits

Feature	Benefit
Direct connection	Easy installation eliminates connection tubing and reduces dead volume.
3 Levels of protection	Provides the right protection for your needs
Leak free design	Smooth reliable operation and time savings
Cartridge column design	Eliminates waste and saves you money

Trident Direct Guard Cartridge System

Easy to Use, Low Dead Volume—The Ultimate Combination of Convenience and Column Protection

Description	qty.	cat.#
High-pressure filter	ea.	25082
10mm guard cartridge holder without filter	ea.	25083
10mm guard cartridge holder with filter	ea.	25084
20mm guard cartridge holder without filter	ea.	25085
20mm guard cartridge holder with filter	ea.	25086
Connection tip for Waters-style end fittings	ea.	25088
PEEK tip standard fittings	ea.	25087
Replacement Cap Frits: 4mm 2.0µm	5-pk.	25022
Replacement Cap Frits: 4mm 0.5µm	5-pk.	25023
Replacement Cap Frits: 2mm 2.0µm	5-pk.	25057
Replacement Cap Frits: 2mm 0.5µm	5-pk.	25990

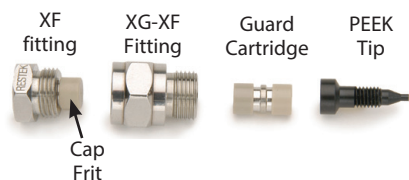
*The standard PEEK tip in Trident Direct systems is compatible with Parker, Upchurch Scientific, Valco, and other CPI-style fittings. To use Trident Direct systems with Waters-style end fittings, replace the tip with cat.# 25088.

Visit www.restek.com for a complete product listing



Trident Direct 10 mm guard cartridge holder with filter

Components



Assembled



Installed onto column



Frequently Asked Questions

What level of protection do I need for my application?

For protection against particulate matter only, use the Trident Direct high-pressure filter (cat.# 25082). For protection against particulate matter and sample impurities, use the Trident Direct 10 mm holder and 10 mm guard cartridges (cat.# 25083 or 25084). This is the most popular configuration and is well suited for most applications. For protection against particulate matter and heavily contaminated samples, use the Trident Direct 20 mm holder and 20 mm guard cartridges (cat.# 25085 or 25086).

What internal diameter guard cartridge should I use?

If the ID of your analytical column is greater than 3.2 and less than 6 mm, use a 4.0 mm ID guard cartridge. If the ID of your analytical column is between 2.0 and 3.2 mm, use a 2.1 mm ID guard cartridge.

Do I need a different size holder depending on the guard cartridge ID?

No, because all Trident guard cartridges have the same outer diameter, the holders will function with either 2.1 or 4.0 mm ID guard cartridges. The holder needed is dependent only on the length of the guard cartridge.

Which guard cartridge should I use?

After you decide what level of protection and diameter guard cartridge is right for your application, you should choose the cartridge with a bonded phase that is the same or similar to your analytical column.

For a complete list of guard cartridges packed with Restek bonded phases, visit us at www.restek.com

Contact your Restek representative and order yours today!

Visit www.restek.com/Contact-Us to find a distributor or representative.

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