Trident Direct Guard Cartridge System Easy to Use, Low Dead Volume—

The Ultimate Combination of Convenience and Column Protection

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 three levels of protection, 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 levels: filter only, guard cartridge holder without filter, and guard cartridge holder with filter. The guard cartridges (see page 191) are available in 2.1 and 4.0 mm ID and are interchangeable within the holder.



25082

Filter: Protection against particulate matter.



25084

Guard Cartridge and Filter:

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

Description	qty.	cat.#
High-pressure filter	ea.	25082
10 mm guard cartridge holder without filter	ea.	25083
10 mm guard cartridge holder with filter	ea.	25084
PEEK tip for Waters-style end fittings	ea.	25088
PEEK tip for standard fittings	ea.	25087

^{*}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.



See page 191 for a full selection of Trident HPLC guard cartridges.

Double the Protection With Cap Frits!

Replacement Cap Frits for Trident Guard Cartridges

Replacement guard cartridges can cost as much as an analytical column, so why not protect them, too? The removable cap frit in a Trident direct helps prevent clogged cartridges to extend the life of your column, your cartridge, and your budget.

Description	ID	Porosity	qty.	cat.#	
Replacement Cap Frits	4 mm	2.0 µm	5-pk.	25022	
Replacement Cap Frits	4 mm	0.5 μm	5-pk.	25023	
Replacement Cap Frits	2 mm	2.0 µm	5-pk.	25057	
Replacement Cap Frits	2 mm	0.5 µm	5-pk.	25990	





Trident HPLC In-Line Guard Cartridge Holders

A Trident in-line guard cartridge holder can be used with almost any HPLC column by connecting it with a short piece of \$1/16"\$ tubing, appropriate nuts and ferrules, or finger-tight fittings. The system can be used with Restek* columns, or with columns from other manufacturers. Holders are available for 10 mm guard cartridges (see page 191). Purchase with or without a prefilter, which provides added protection against the particles that can shorten the lifetime of the guard cartridge.





Description	qty.	cat.#
Holder for 10 mm guard cartridge	ea.	25021
Holder with filter for 10 mm guard cartridge	ea.	25040
Frit-Type In-Line Filter, 2.0 µm	ea.	25041

For HPLC tubing, visit

www.restek.com/LCacc



EXP® Reusable Fittings for HPLC & UHPLC for 10-32 fittings and 1/16" tubing EXP® Hand-Tight Coupler

Description	qty.	cat.#
EXP Hand-Tight Coupler (2 Nuts, 2 Ferrules, 1/16" x 0.005" ID Tubing)	ea.	25940

Hybrid Ferrule U.S. Patent No. 8201854, Optimize Technologies. Optimize Technologies EXP Holders are Patent Pending. Other U.S. and Foreign Patents Pending. The Opti- prefix is a registered trademark of Optimize Technologies, Inc.



also available

Our entire EXP® fitting selection.

See page 335.



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Replacement Cap Frits	4 mm	0.5 μm	5-pk.	25023	
Replacement Cap Frits	2 mm	2.0 µm	5-pk.	25057	
Replacement Cap Frits	2 mm	0.5 µm	5-pk.	25990	





Trident HPLC Guard Cartridges

Description	3-pk. (10 x 2.1 mm)	3-pk. (10 x 4.0 mm)	
Description	(10 x 2.1 mm)	(10 x 4.0 mm)	
Pinnacle DB Guard Cartridges	0/1/50010	0/1/50010	
Pinnacle DB C18 Guard Cartridge	941450212	941450210	
Pinnacle DB C8 Guard Cartridge	941350212	941350210	
Pinnacle DB Aqueous C18 Guard Cartridge	941850212	941850210	
Pinnacle DB Biphenyl Guard Cartridge	940950212	940950210	
Pinnacle DB PFP Propyl Guard Cartridge	941950212	941950210	
Pinnacle DB Cyano Guard Cartridge	941650212	941650210	
Pinnacle DB Silica Guard Cartridge	941050212	941050210	
Ultra Guard Cartridges			
Ultra C18 Guard Cartridge	917450212	917450210	
Ultra C8 Guard Cartridge	910350212	910350210	
Ultra C4 Guard Cartridge	910250212	910250210	
Ultra C1 Guard Cartridge	910150212	910150210	
Ultra Aromax Guard Cartridge	912750212	912750210	
Ultra Aqueous C18 Guard Cartridge	917850212	917850210	
Ultra Biphenyl Guard Cartridge	910950212	910950210	
Ultra IBD Guard Cartridge	917550212	917550210	
Ultra PFP Propyl Guard Cartridge	917950212	917950210	
Ultra Cyano Guard Cartridge	910650212	910650210	
Ultra Amino Guard Cartridge	_	910750210	
Ultra Silica Guard Cartridge	910050212	910050210	
Viva Guard Cartridges			
Viva C18 Guard Cartridge	951450212	951450210	
Viva C8 Guard Cartridge	951350212	951350210	
Viva C4 Guard Cartridge	951250212	951250210	
Viva Biphenyl Guard Cartridge	951650212	951650210	
Viva PFP Propyl Guard Cartridge	951950212	951950210	
Viva Silica Guard Cartridge	951050212	951050210	





Trident HPLC Guard Cartridge

