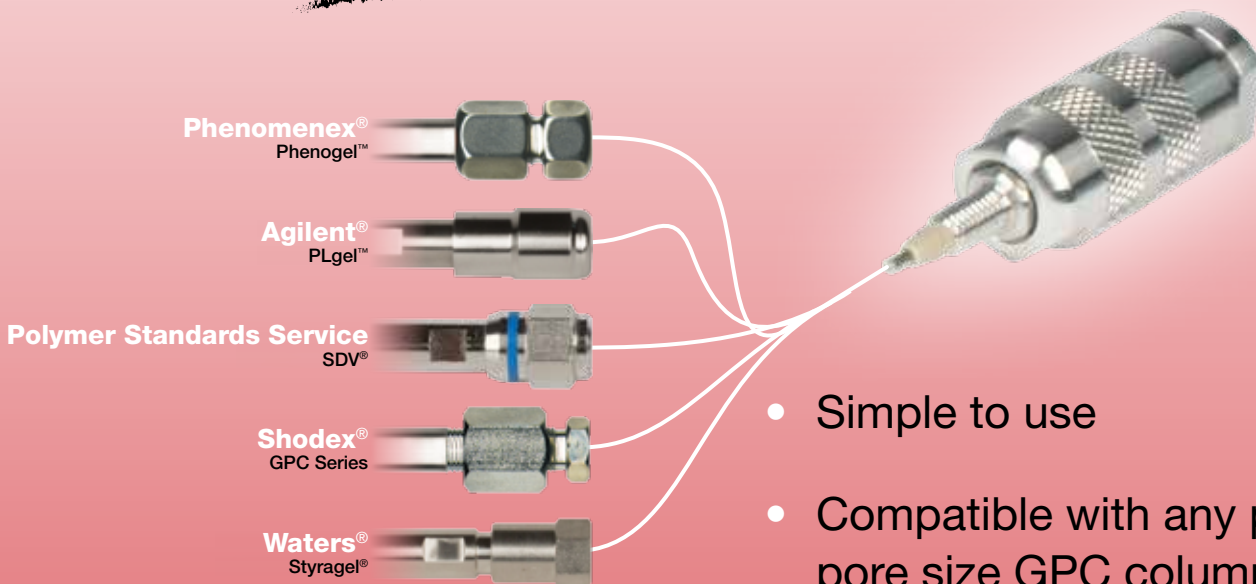


Extend the Life of Your Valuable GPC Columns

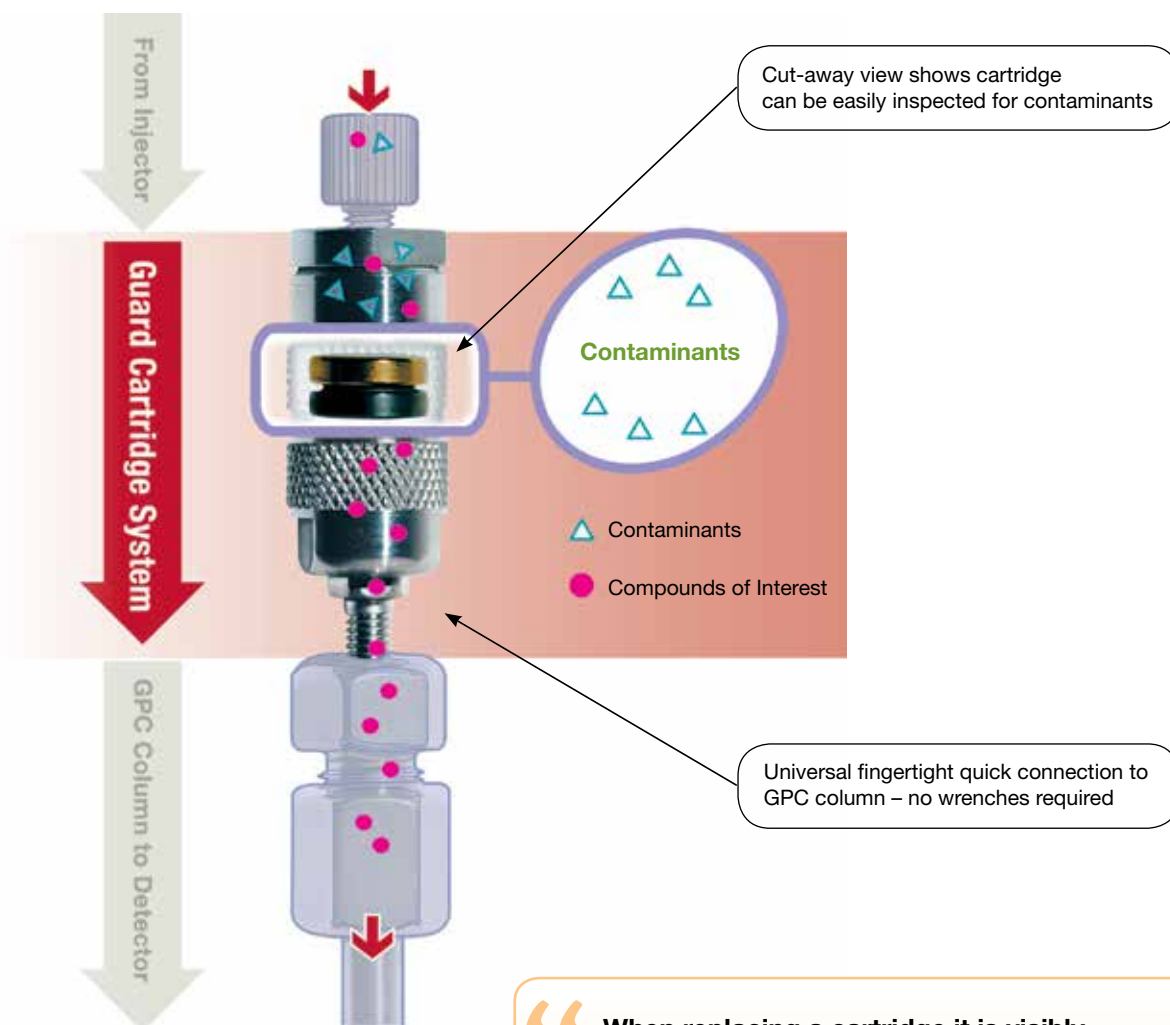
Protects **ANY** non-aqueous GPC column



- Simple to use
- Compatible with any particle or pore size GPC column
- Extremely economical
- Fewer wasted columns

It's a simple concept

The SecurityGuard cartridges trap unwanted contaminants and particulates from entering and damaging your GPC column. Contaminants are retained by an inexpensive disposable cartridge instead of damaging your valuable GPC column investment. Simply extend the life of your column and save your lab money.



“ When replacing a cartridge it is visibly obvious that the extraneous material is captured by the cartridge and prevents contamination of the analytical column... ”

F. Shakir, Sheffield Pharmaceuticals

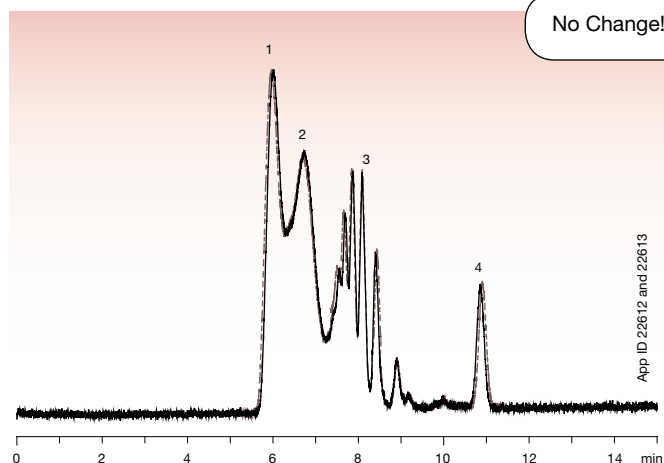
“ We didn't see any change in peaks. SecurityGuard has increased the life of the column. ”

B. Dietz, ADM

It's protection without any change.

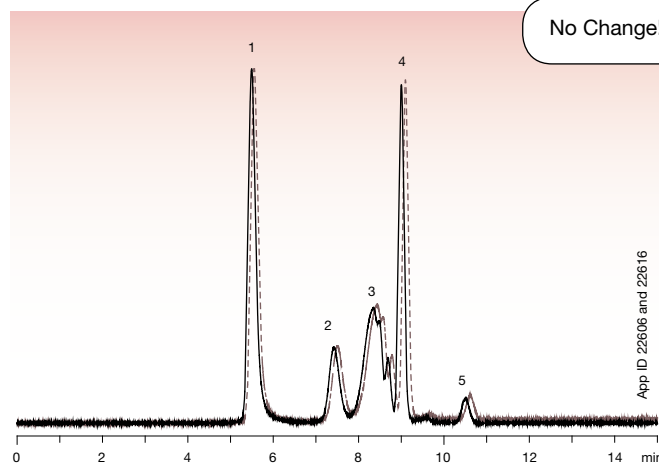
SecurityGuard protects your valuable GPC columns of any particle or pore size from the damaging effects of chemical contaminants and microparticulates, without altering chromatographic results. This protection can lead to an extension of the column life. Simply put, every GPC chromatographer must have one.

Phenogel™



Column: Phenogel 5 μ m 100 Å
Dimensions: 300 x 7.8 mm
Guard Cartridge: SecurityGuard GPC Cartridge
Mobile Phase: THF
Flow Rate: 1.0 mL/min
Detection: UV @ 254 nm
Injection Volume: 0.5 μ L
Column Temperature: Ambient
Sample: 1. 5480 Da
2. 2400 Da
3. 1490 Da
4. 545 Da

PLgel™



Column: PLgel 5 μ m MIXED-D
Dimensions: 300 x 7.5 mm
Guard Cartridge: SecurityGuard GPC Cartridge
Mobile Phase: THF
Flow Rate: 1.0 mL/min
Detection: UV @ 254 nm
Injection Volume: 0.5 μ L
Column Temperature: Ambient
Sample: 1. 55 kDa
2. 20800 Da
3. 5480 Da
4. 1490 Da
5. 545 Da

Know when to change your cartridge!

The "see your dirt" feature lets you know exactly when it's time to replace your cartridge.

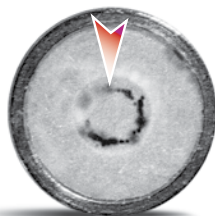
Visually inspect the surface of the cartridge's packing material any time, without disturbing the packing bed. Now you can easily monitor visual contaminant build-up, and change your guard cartridge before it's too late!

If your contaminants are colorless, replace the cartridge as often as needed to maintain chromatographic performance.



Clean

If it looks clean, the cartridge may be reinserted for further use.



Dirty

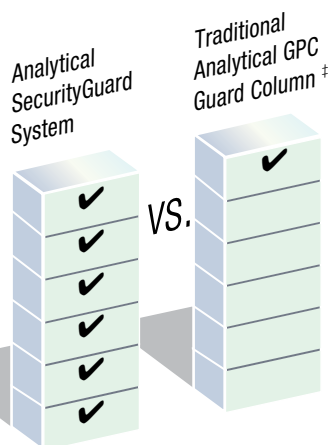
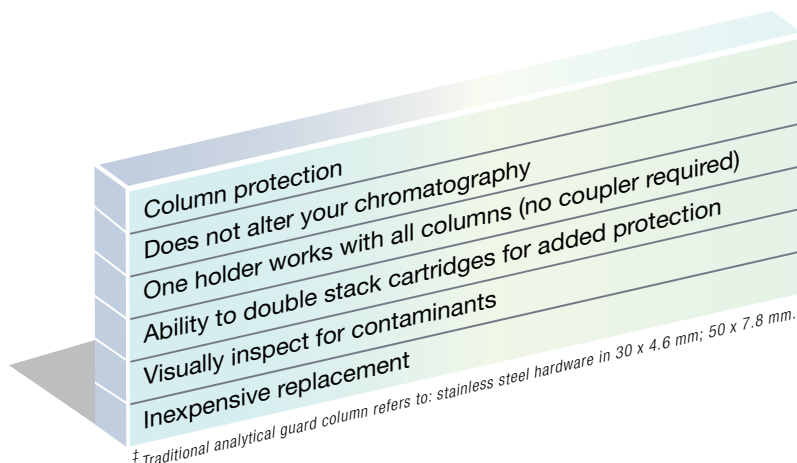
If either discoloration or particle build-up is observed, it's time to replace the cartridge.



Comparative separations may not be representative of all applications.

It's clear!

There are many added benefits using SecurityGuard to protect your GPC column investment.



Ordering Information

SecurityGuard Cartridges for Non-Aqueous Polymer GPC Columns

Part No.	Description	pH Stability
AJ0-9292	SecurityGuard GPC 4 x 3.0 mm cartridges. For use with GPC columns with ID 3.2–8.0 mm	0 – 14

Guard Cartridge Holder

Part No.	Description
KJ0-4282	Reusable holder (SecurityGuard kit)

Note: Not compatible with HFIP solvent.



guarantee

If the SecurityGuard Cartridge System does not provide at least an equivalent performance as compared to a competing guard cartridge system, return the product with the comparative data within 45 days for a FULL REFUND.

Guard Finder Tool

In addition to GPC columns, SecurityGuard protects HPLC, UHPLC, and Prep columns. Find the perfect guard for all of your columns.

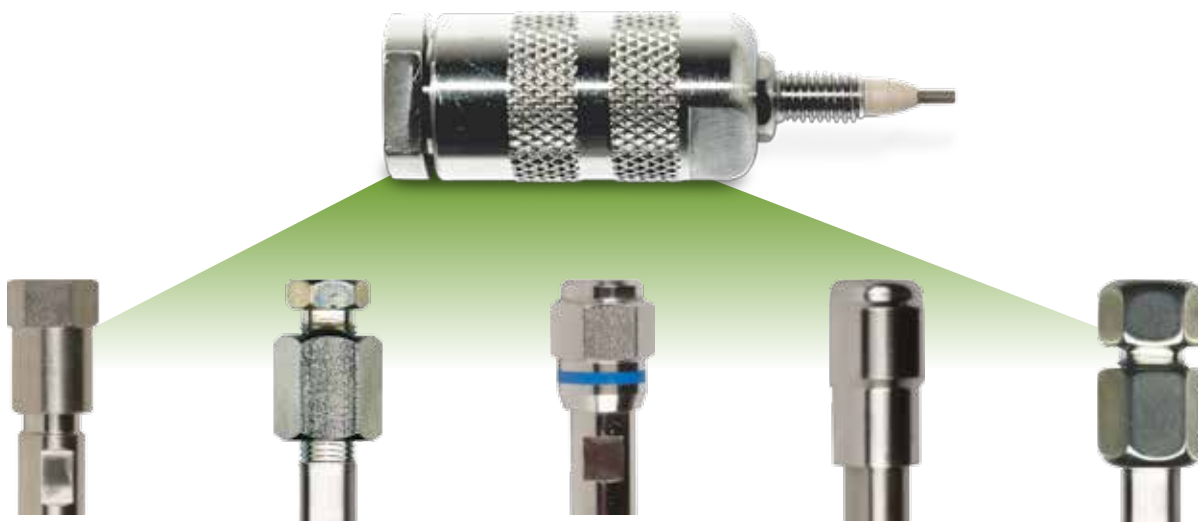
Try it today!

www.phenomenex.com/GuardIT

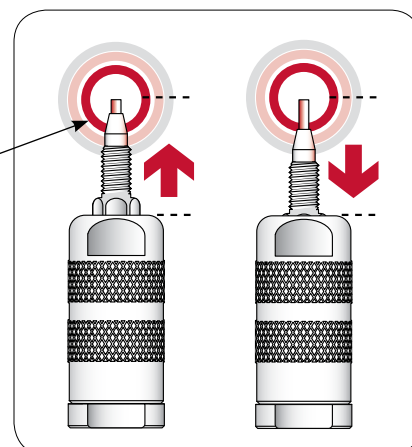


It's a universal fit

SecurityGuard fits ANY manufacturer's GPC column, making it truly a universal and economical guard system.



The floating outlet automatically adjusts to the precise port depth of any analytical GPC column. This ensures a low-dead volume, leak-free connection, without the use of unions or adapters.



SecurityGuard Protects the Following GPC Columns:

Manufacturer	Column
Phenomenex®	Phenogel™
Agilent® (Polymer Labs)	PLgel™
Jordi Labs	Jordi Gel™
Polymer Standards Service (PSS)	SDV® GRAM PolarSil PFG POLEFIN®
Shodex®	GPC K-800 Series GPC KF-800 Series GPC KD-800 Series
Tosoh Bioscience®	TSKgel® SuperMultiporeHZ TSKgel SuperHZ TSKgel Hxl TSKgel SuperH TSKgel Hhr
Waters®	Styragel® UltraStyragel™ ACQUITY® APC™

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SecurityGuard protects ANY GPC column.



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SecurityGuard is patented by Phenomenex. U.S. Patent No. 6,162,362

CAUTION: this patent only applies to the analytical-sized guard cartridge holder, and does not apply to SemiPrep, PREP or ULTRA holders, or to any cartridges.

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