

All-Guard™ Cartridge System

- Simple - Fewer Parts, Fewer Seals, Fewer Problems
- Fast - Change Cartridges in Seconds Without Tools
- Reliable - Packed Under ISO 9002 Certified Procedures
- Efficient - Matched Media and Low Dead Volume Maintain Chromatographic Performance

Protection that Won't Compromise Your Separation

The unique All-Guard™ holder is open on the side for fast installation. Just drop the cartridge in, hand-tighten the holder nut, and connect to your column. The cartridge is always visible, letting you pinpoint problems immediately. All components are type 316 stainless steel for maximum reliability and life, even under demanding, unattended operation.

Connect the All-Guard™ System directly to your analytical column using the patented Direct-Connect™ Column Coupler, included with each holder (**Figure 1**). All-Guard™ holders will also accept standard 10-32 fittings and tubing for those who prefer or require in-line operation (**Figure 2**).

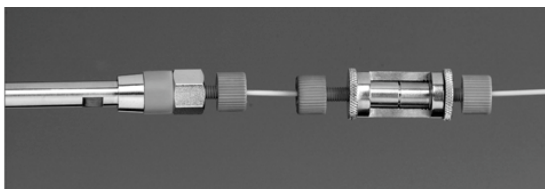
Guard columns act as an extension of the analytical column. If the guard column's selectivity or efficiency doesn't match the analytical column, performance deteriorates. Retention, resolution, and peak symmetry may suffer. The All-Guard™ System solves these problems by using cartridges filled with packing that matches your analytical column.

The All-Guard™ holder easily connects to the analytical column



3744

Figure 1 - Connection via patented Direct-Connect™ Coupler

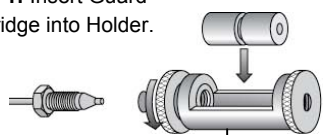


3743

Figure 2 - Connection via a short length of tubing

Instructions for Alltech All-Guard™ Cartridge System

Step 1: Insert Guard Cartridge into Holder.



All-Guard™ Holder (Part No. 80101)

Direct Connect™ Column Coupler (Part No. 28195)



Waters Tip – Red (Part No. 28004)
Female Tip – Black (Part No. 28002)

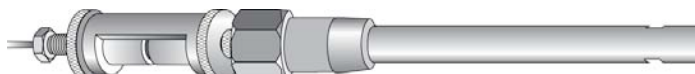
Step 2: Hand-Tighten Holder.

Do Not Wrench Tighten!

(This only needs to be tight enough to keep the guard from moving around.)

Step 3: Make Connection to Column and Inlet Tubing.

(The connection to the column is most easily made with a column coupler. However, both the holder and column assembly will accept any standard 10-32 fitting connection.)



2695

All-Guard™ Cartridges for Alltech® Small Molecule Columns*

Description	Guard Cartridge** Part No.
7.5x4.6mm, 5µm	
Adsorbosphere® C18 Guard	96041
Adsorbosphere® C8 Guard	96042
Adsorbosphere® Phenyl Guard	96045
Adsorbosphere® Silica Guard	96046
Alltima™ C18 Guard	96080
Alltima™ C8 Guard	96081
Alltima™ Phenyl Guard	96082
Alltima™ Silica Guard	96083
Alltima™ HP C18 Guard	87684
Alltima™ HP C8 Guard	87756
Alltima™ HP Silica Guard	87804
Econosphere™ C18 Guard	96121
Econosphere™ C8 Guard	96122
Econosphere™ Silica Guard	96125
Platinum™ C18 Guard	32606
Platinum™ C8 Guard	32612
Platinum™ Silica Guard	32622
Platinum™ EPS C18 Guard	32607
Platinum™ EPS C8 Guard	32614
Prevail™ C18 Guard	99286
Prevail™ C8 Guard	99287
Prevail™ Phenyl Guard	99288
Prevail™ Silica Guard	99291

* additional chemistries, particle sizes, and cartridge ID's are also available

** 3 cartridges/pack

All-Guard™ Cartridges for Vydac® Large Molecule Columns*

Description	Guard Kit** Part No.	Guard Cartridge*** Part No.
7.5x4.6mm, 5µm		
218MS C18 Guard	218GK54MS	218GD54MS
238MS C18 Guard	238GK54MS	238GD54MS
208MS C8 Guard	208GK54MS	208GD54MS
214MS C4 Guard	214GK54MS	214GD54MS
218TP C18 Guard	218GK54	218GD54
238TP C18 Guard	238GK54	238GD54
208TP C8 Guard	208GK54	208GD54
214TP C4 Guard	214GK54	214GD54
219TP Diphenyl Guard	219GK54	219GD54
201TP C18 Guard	201GK54T	201GD54T
EVEREST® C18 Guard	238GK54EV	238GD54EV
7.5x2.1mm, 5µm		
218MS C18 Guard	218GK52MS	218GD52MS
238MS C18 Guard	238GK52MS	238GD52MS
208MS C8 Guard	208GK52MS	208GD52MS
214MS C4 Guard	214GK52MS	214GD52MS
218TP C18 Guard	218GK52	218GD52
238TP C18 Guard	238GK52	238GD52
214TP C4 Guard	214GK52	214GD52

* additional chemistries, particle sizes, and cartridge ID's are also available

** 1 holder, 1 cartridge/kit

*** 2 cartridges/pack

All-Guard™ Holder

Description	Qty.	Part No.
All-Guard™ Holder	1	80101

www.nestgrp.com

Distributed by The Nest Group • 45 Valley Road • Southboro MA 01772
 Telephone: 800-347-6378 • Fax: 508-481-6223 • E-mail: info@nestgrp.com

5/2007

ALLTECH® is a trademark, registered in the United States and/or other countries, of Alltech Associates, Inc. ADSORBOSPHERE™, ALL-GUARD™, ALLTIMA™, DIRECT-CONNECT™, ECONOSPHERE™, EVEREST®, PLATINUM™, PREVAIL™, and VYDAC® are trademarks of Alltech Associates, Inc. GRACE® and GRACE DAIVISON® are trademarks, registered in the United States and/or other countries, of W. R. Grace & Co.-Conn. GRACE DAIVISON DISCOVERY SCIENCES™ is a trademark of W. R. Grace & Co.-Conn. This trademark list has been compiled using available published information as of the publication date of this brochure and may not accurately reflect current trademark ownership.

Grace Davison Discovery Sciences is a product group of W. R. Grace & Co.-Conn. Alltech Associates, Inc. is a wholly owned subsidiary of W. R. Grace & Co.-Conn. © Copyright 2007 Alltech Associates, Inc. All rights reserved.

The information presented herein is derived from our testing and experience. It is offered for your consideration and verification. Since operating conditions vary significantly, and are not under our control, we disclaim all warranties on the results that may be obtained from the use of our products. Grace reserves the right to change prices and/or specifications without prior notification. Printed in the USA.

GRACE