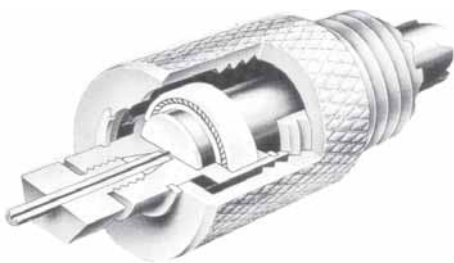


# PerkinElmer Brownlee™ Cartridge Columns



## NewGuard™

- **Prolong column life without loss of resolution**

Let's face it – HPLC columns die from the head down. Particulate matter, contaminants, and strongly bound sample components all stick at the head of the column. The ability to replace the top centimeter or so of packing material without losing efficiency could significantly prolong column lifetime. Think of a NewGuard cartridge as a replaceable, disposable inlet end for your HPLC column.

NewGuard cartridges are ideal for:

- **Protecting analytical columns.** The wide range of NewGuard packing materials provides compatibility with virtually any analytical column – with negligible effects on retention and resolution. Our large diameter inlet frit is resistant to clogging by particles in the sample. In many cases, cartridges can be cleaned by simple backflushing.

- **On-line sample concentration.** A NewGuard cartridge can be mounted in place of the sample loop on an injection valve and used for on-line sample extraction, concentration, and clean-up.

The best part about NewGuard cartridges is how easy they are to use. Cartridges can be coupled directly to Brownlee cartridge columns or used with conventional HPLC columns. NewGuard cartridges can be changed in less than a minute without tools.

**Ordering a NewGuard upgrade is cost effective.** If you are presently using Brownlee 3cm guard cartridges, you can upgrade to NewGuard cartridges with just a NewGuard end assembly. Because NewGuard cartridges are three to a package (instead of two) the upgrade will pay for itself after the first package.

### NewGuard™ Ordering Information, 3.2mm ID x 1.5cm

Cat. No.	Description	Type	(3/pk)
0711-0086	Aquapore Dimethyl, 7µm	RP-2	
0711-0088	Aquapore Butyl, 7µm	RP-4	
0711-0090	Aquapore Octyl, 7µm	RP-8	
0711-0092	Aquapore ODS, 7µm	RP-18	
0711-0096	Aquapore Phenyl, 7µm	Phenyl	
0711-0098	Aquapore Amino, 7µm	Amino	
0711-0100	Aquapore Cyano, 7µm	Cyano	
0711-0102	Aquapore AX-300, 7µm	Anion	
0711-0104	Aquapore CX-300, 7µm	Cation	
0711-0105	Aquapore Diol, 7µm	Diol	
0711-0106	Aquapore Silica, 7µm	Silica	
402-237	Validated C18, 5µm	C18	

### NewGuard™ Holders and Components

Cat. No.	Description
0715-0001	<b>NewGuard Holder</b> , Holds a single Newguard cartridge for use with conventional HPLC columns
0715-0002	<b>NewGuard End Assembly</b> Upgrades 3cm guard holder to NewGuard Holder
0715-0018	<b>Union</b> , Directly couples a NewGuard cartridge to a Brownlee cartridge column (Requires a NewGuard End assembly)

## Peco™ Columns

**Pecosphere** is a small pore, extremely rugged (80Å, 3, and 5µm, C18) sorbent for HPLC of small molecules.

Peco cartridges are available in 4.6mm ID and three cartridge lengths (30, 80, and 150mm).

### Pecosphere™ Ordering Information

Cat. No.	Description	Qty.
0258-0164	Pecosphere 3 C18, 3µm, 4.6 x 33mm <i>Requires holder 0715-0028</i>	5
0258-0166	Pecosphere 3 C18, 3µm, 4.6 x 83mm <i>Requires holder 0715-0029</i>	1
0258-0169	Pecosphere 5 C18, 5µm, 4.6 x 150mm <i>Requires holder 0715-0030</i>	1

### Holders for Pecosphere™ Cartridges

Cat. No.	Description
0715-0028	3cm Peco holder
0715-0029	8cm Peco holder
0715-0030	15cm Peco holder

## VeloSep® Cartridge Columns

### 3.2mm ID x 4cm, (3µm, spherical)

*Requires holder 0715-0013*

Cat. No.	Description
0711-0189	VeloSep RP-8, 2/pk
0711-0191	VeloSep RP-18, 2/pk

### 3.2mm ID x 10cm, (3µm, spherical)

*Requires holder 0715-0014*

0711-0190	VeloSep RP-8, C-8, each
0711-0192	VeloSep RP-18, C-18, each

### Holders for VeloSep Cartridges

0715-0013	3cm Cartridge holder ( <i>fits 4cm VeloSep</i> )
0715-0014	10cm Cartridge holder

## Prep-10 Cartridge Columns

### Prep-10 Cartridges, 20µm, 300Å

Cat. No.	Description
0711-0164	Octyl, 10mm ID x 3cm
0711-0165	Octyl, 10mm ID x 10cm
0711-0166	Octyl, 10mm ID x 25cm
0711-0108	ODS, 10mm ID x 3cm
0711-0114	ODS, 10mm ID x 10cm
0711-0163	ODS, 10mm ID x 25cm

### Prep Holders and Components

0715-0004	3cm Prep-10 Holder <i>Includes end assemblies and body</i>
0715-0005	10cm Prep-10 Holder <i>Includes end assemblies and body</i>
0715-0006	25cm Prep-10 Holder <i>Includes end assemblies and body</i>
0715-0011	Prep-10 Seal Replacement Kit <i>Tools only, Seals not included</i>
0715-0012	Prep-10 Inlet Seal, 1 each
0715-0026	Prep-10 Outlet Seal, 1 each