

NewGuard Cartridges

NewGuard cartridges are small guard cartridges (15 mm x 3.2 mm ID) packed with 5 or 7 μm sorbents. They help to prolong column life by eliminating particulates, contaminants, and strongly bound sample components; acting as replaceable disposable heads of your analytical column. There is negligible loss of efficiency and little effect on retention or resolution. NewGuards are available in a convenient 3-pack and can be coupled directly to any MPLC cartridge with a union (**07150018**), or any LC column using the stand alone holder (**07150001**).

Features and Benefits

- Prolong column life by 2 to 5 times
- Protect your column from particulates and strongly bound sample components
- Optimized dimensions to prevent loss of resolution
- Easy coupling to MPLC cartridges or conventional columns
- Finger-tight seal to 7,000 psi using NewGuard holders
- Can be used for sample pre-concentration (connected to sample injection loop)

Description	Size (μm)	Shape	Part No.
Amino, Aquapore Amino	7	Spherical	07110098
Anion, Aquapore Anion	7	Spherical	07110102
RP-8, Aquapore Octyl	7	Spherical	07110090
RP-18, Aquapore ODS	7	Spherical	07110092
Validated C18	5	Spherical	00402237

* Requires holder (**07150001**). Note: Actual bed length of NewGuard is about 13 mm



Figure 5 a) NewGuard cartridges directly coupled to a 220 mm MPLC cartridge (with union **07150018**) b) connected externally to a 250 mm conventional column with a stand alone holder (**07150001**)

Cartridge Holders

	Description	Part No.
	Single 30 mm holder for MPLC cartridges	07150013
	Single 100 mm holder for MPLC cartridges	07150014
	MPLC holder for directly coupling a NewGuard and a 100 mm cartridge	07150016
	Holder for directly coupling a 30 mm and 100 mm MPLC cartridge	07150032
	Single 220 mm holder for MPLC cartridges	07150015
	MPLC holder for directly coupling a NewGuard and a 220 mm cartridge	07150017
	Holder for a single, stand-alone NewGuard cartridge	07150001
	For direct coupling of two cartridge holders or a NewGuard to any cartridge holder. (NewGuard end assembly required)	07150018
	Used with union to couple a NewGuard to any cartridge holder	07150002
	End assembly for any MPLC holder body	07150019
	Holder body for 100 mm MPLC cartridge	07150021
	Holder body for 220 mm MPLC cartridge	07150022
	Includes 100 mm and 220 mm holder bodies, 2 end assemblies, 1 union and 1 NewGuard end assembly	07150025
	Holder for a single 250 mm Prep-10 MPLC cartridge	07150006
	Holder for a 33 mm fast LC Pecosphere cartridge. (Not for use with MPLC cartridges)	07150028
	Holder for a 83 mm fast LC Pecosphere cartridge. (Not for use with MPLC cartridges)	07150029