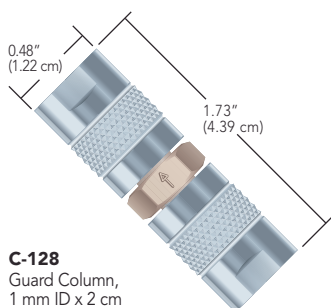


Microbore Guard Columns

- ▶ Ideal for Microbore HPLC
- ▶ Easily dry packed (or slurry packed with adapter)
- ▶ Made of PEEK polymer and stainless steel

This Upchurch Scientific® ultralow volume guard column (1.0 mm ID x 2 cm length) is ideal for narrow-bore chromatography. The unpacked guard column allows you to exactly match the chemistry of your column, resulting in optimum column protection. The total packing volume of 16.2 µL ensures maximum column efficiency and analytical column protection. The column can be easily dry packed using the specially designed funnel (C-128-20). A 3 g bottle of our C18 packing material will pack this column more than 120 times.

Frits often become plugged before a guard column is contaminated. The two 0.5 µm frits included with this guard column can be changed in minutes. Optional 2 µm frits may be purchased separately (C-408).



C-128
Guard Column,
1 mm ID x 2 cm

APPLICATION NOTE

Signs Indicating the Guard Column Needs to be Changed

- ▶ System pressure build-up
- ▶ Faster than usual retention times
- ▶ Reduced resolution

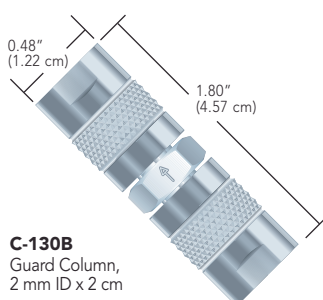
Part No.	Description	Includes
MICROBORE GUARD COLUMNS		
1.0 mm ID x 2 cm Unpacked		
C-128	Guard Column	(2) C-128-31
C-128-20	Packing Funnel	
C-128-31	0.5 µm Stainless Steel Replacement Frit	
C-408	2 µm Stainless Steel Replacement Frit	
C-128-40	Slurry Packing Adapter	
C-128-50	Guard Column Kit	(2) C-128, (1) C-128-20, (10) C-128-31
ANALYTICAL GUARD COLUMNS		
2.0 mm ID x 2 cm Unpacked		
C-130B	Guard Column	(2) A-100
C-130-20	Packing Funnel	
A-100	2 µm Stainless Steel Replacement Frit	
A-103	0.5 µm Stainless Steel Replacement Frit	
C-130-40	Slurry Packing Adapter	
C-135B	Guard Column Kit	(2) C-130B, (1) C-130-20, (10) A-100
1602	Guard Column Kit with Reversed Phase C18	(2) C-130B, (1) C-130-20, (10) A-100, 3 g C18 packing material
PACKING MATERIAL		
Part No.	Particle Size	Qty.
C-603	Reversed Phase C18, 30–40 µm pellicular	3 g

Analytical Guard Columns

- ▶ Easy to pack
- ▶ Available as a kit with funnel and extra frits

The C-130B is our most popular guard column. HPLC users find this column easy to pack and extremely economical. This narrow-bore short column (2.0 mm ID x 2 cm length) creates only a slight pressure increase with virtually no detectable theoretical plate loss when used with a 3 mm ID or larger column. The 2 µm frits are easy to change, prolonging the life of the guard column. With only 62 µL packing volume per guard column, a 3 g bottle of packing material will pack about 30 guard columns.

For convenience, we offer the C-135B kit with two unpacked guard columns and a ten pack of frits. With two guard columns, there is always a back-up available to help eliminate downtime.



C-130B
Guard Column,
2 mm ID x 2 cm

Analytical Guard Column Kit

For complete convenience, try the Upchurch Scientific guard column kit with packing material. This kit contains 10 replacement frits, a packing funnel and 3 g of C18 reversed phase.



RELATED PRODUCTS

- ▶ All Guard Columns featured on this page include 10-32 Coned threads. Use any of the 10-32 coned fittings on pages 9–17 to connect tubing to these guard columns.