

Integra-Guard Columns

suffix # -124, -125, -126, -127, -128, -129

The capillary GC column you have received has a “built-in” guard column. The built-in guard column is a 5- or 10-meter section of the capillary column that has been deactivated but not coated with stationary phase. Because it is integrated into the same tubing as the analytical column, it has been tested for bleed and inertness along with the analytical column (liquid phase coated section of the column) (Figure 1).

The guard column should be installed into the inlet side of your GC system. When first received, you can easily identify the guard column end of the capillary column by the tag labeled “Guard column end” (Figure 2). Once this tag has been removed, you can still identify the guard column end because the knotted piece of high-temperature string on the open pin side of the cage indicates where the Integra-Guard section stops, and the analytical column begins (Figure 3). Do not remove the high-temperature string; it was made to withstand temperatures over 400 °C.

As sections of the guard column become contaminated, they can be removed. Typically, 1 or 2 loops from the inlet side will need to be removed to bring the column back to acceptable performance. Eventually, all of the guard column may be removed. Once this occurs, a new guard column can be installed using a universal Press-Tight connector, SilTite μ -Union connector, defined PressFit connector, or a Vu2 Union connector. Browse our selection of guard columns and connectors online.

Figure 1: Integra-Guard columns contain a guard column and an analytical column in the same tubing, so you get the protection without the connection.

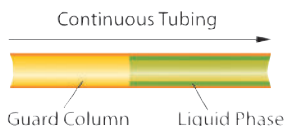
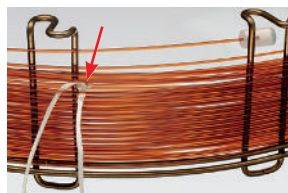


Figure 2: The guard column end of an Integra-Guard column is clearly labeled for easy identification.



Figure 3: High-temperature string indicates where the Integra-Guard section ends and the analytical column begins.



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