

### GUARD COLUMN

OPTI-GUARD 1mm guard columns are the perfect choice for effective column protection of any silica-based analytical column without measurable impact on your chromatography.

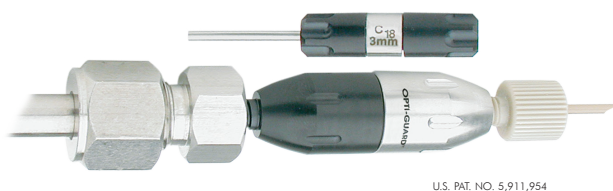
OPTI-GUARD utilizes our patented floating tube-stem design, which allows automatic adjustment of the tube-stop depth for perfect ZDV connection into any column port.

OPTI-GUARD 1mm packs the power of a guard column into an auto-adjusting design that is no larger than a typical HPLC fitting.

### OPTI-GUARD 3MM

For greater capacity and more rugged protection, OPTI-GUARD 3mm guard columns offer larger bed volume and higher efficiency in a cartridge-based design.

Same auto adjust/ZDV design in a higher capacity format.



### performance

For greater capacity and more rugged protection, OPTI-GUARD 3mm Guard Columns offer larger bed volume and higher efficiency packing in a cartridge-based design.

## The Finest HPLC Components & Accessories



A patented auto-adjusting mechanism ensures zero-dead-volume connection into any analytical column.

A variety of chemistries available, all selected to provide effective phase protection with minimal influence on chromatography.

### convenience

The OPTI-GUARD guard column is as easy to install as a finger-tight fitting. It reduces the number of connections required to connect a traditional guard column to the column, and is compatible with any silica-based analytical column. OPTI-GUARD 1mm is completely disposable.

### performance

OPTI-GUARD 1mm is designed to offer low-impact column protection, delivering sacrificial stationary phase without a large impact on analytical column efficiency. No additional tubing is required to connect OPTI-GUARD 1mm - in fact, the only extra volume added is that of the packed bed and frits!