

INSTRUCTION MANUAL - USE OF GUARD CARTRIDGES FOR CHIRALPAK® AND CHIRALCEL® ANALYTICAL COLUMNS

Introduction

The purpose of a guard cartridge is to protect the analytical column from materials that would adsorb on the stationary phase. Guard Cartridges for CHIRALPAK® and CHIRALCEL® analytical columns have been designed to fully protect your analytical column.

The guard cartridge should contain the same packing material as the analytical column. Specific guard cartridges are available for all DAICEL columns.

The guard cartridge should be replaced regularly otherwise the column performance can be affected.

Loss in separations, an increase of peak broadening or tailing, a high pressure drop in your system, are all signals that indicate a guard cartridge may need to be replaced.

Description

The device is comprised of two pieces: a guard cartridge and a holder.



Assembly of the device

<p>Remove protective cover from cartridge, place the cartridge in the holder end fitting marked "IN", ensuring that the arrow marking the flow direction on the cartridge points away from the fitting.</p>	<p>Assemble the holder, tightening the end fittings snugly with appropriate wrenches to ensure a leak-free unit.</p>	<p>Connect the guard column unit to the analytical column with a short length of capillary tubing, taking care that the flow direction is correct.</p>

Important Notice

- Ensure that guard cartridge contains the same chiral phase as the analytical column.
- Check that the flow direction as marked on the cartridge and holder is correct.
- Use a length of connection tubing as short as possible to connect the guard to the analytical column. Use a tubing of 0.25mm diameter or less.
- The cartridge lifetime is very dependent upon the operating conditions

⇒ If you have any questions about the use of these columns, or encounter a problem, contact:

In the USA: questions@chiraltech.com or call 800-6-CHIRAL

In the EU: cte@chiral.fr or call +33 (0)3 88 79 52 00

In India: chiral@chiral.daicel.com or call +91-40-2338-3700