

## Assembly Instructions for Guard Column Holder - Tech Information

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### Assembly Procedure for Cogent Guard Column Holder Installation

#### 1. Component Inspection

- Verify the guard cartridge matches specified requirements and is compatible with the HPLC Column stationary phase.

#### 2. Holder Preparation

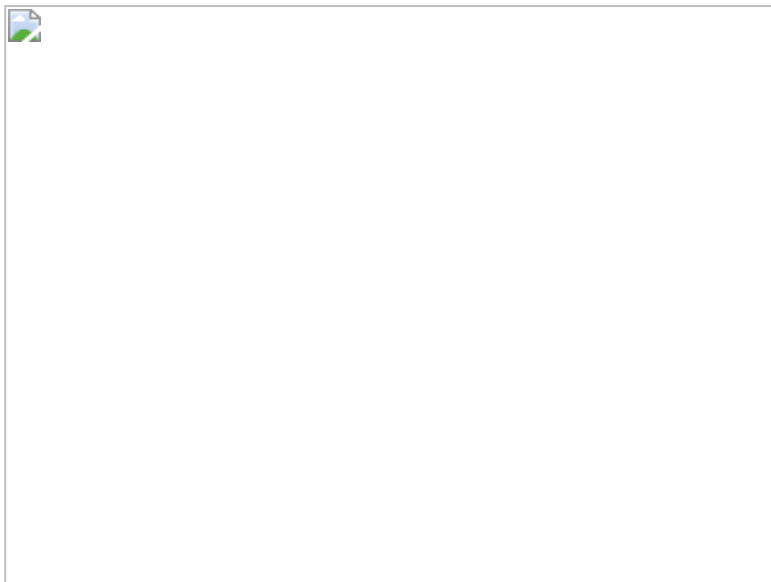
- Disassemble the guard column holder if necessary.

#### 3. Cartridge Insertion

- Place the guard cartridge into the holder cavity. *Note: Flow direction is not defined for cartridges in this configuration.*
  - Do not apply excessive force during insertion.

#### 4. Cartridge Securing

- Reassemble the holder with thread alignment.
- Finger-tighten securely, then apply an additional 1/8" clockwise turn using a 3/8" wrench to ensure seal integrity.



## 5. Leak Testing

- Connect the holder to the system using standard tubing.
- Conduct a low-pressure test to evaluate seal performance.

**Leak Detection Method:** Use the folded edge of a Kimwipe (lint-free paper) to touch the junction area of the column holder. If solvent is absorbed, incrementally tighten fittings in small amounts and retest until leakage ceases.

## 6. Setup Finalization

- Record cartridge details in the maintenance log (e.g., part number, installation date).
- Perform the [recommended column performance test](#) to establish baseline values for pressure and chromatographic behavior. This enables future verification if performance changes are observed.