

■ Pre-equilibrating cartridge

Removes end fittings;

Eliminates the thermal effect from solvent adsorption on a dry cartridge;

Ensures pre-equilibrium between the solvent and the silica.

Entrapped air, the thermal effect and lack of equilibrium can cause separation, purity and recovery problems, especially with early eluting compounds.

In general the recommended pre-equilibration volume is 3-5 column volumes prior to sample loading. If using gradient elution, pre-equilibrate with the starting solvent mixture.

■ Loading samples

- Liquid loading: Each SL Series cartridge is supplied with a built-in inserter, which allows liquid injection via a syringe.
- Dry loading: If internal dry loading is to be used, this inserter must be removed. For optimal purification with iLOK-SL cartridges follow these steps



1. Remove the screw cap from SL cartridge.



2. Press the center post of the inserter sideways. Remove the inserter from the SL cartridge by pulling the center post.



3. Add media into the headspace of SL cartridge, and tap the SL cartridge lightly on lab bench to let the media settle. Do not overfill.



4. Carefully add a top frit on the added media. Make sure to align the frit horizontally.



5. Use the frit insertion rod to press the frit into place.



6. Add a dispersing unit on the top frit.



7. Replace the screw cap on the cartridge.



8. The tightening process will set the frit in place.