

Reveleris® Amino and Diol Bonded Phase Flash Cartridges

Reveleris® Amino and Diol Cartridge Conditions

Column Size (g)	Suggested Loading Amount (mg)	Suggested Flow Rate* (mL/min)	Expected Back Pressure* (psi)	Single Column Volume (mL)	Amino Part No.	Diol Part No.
4	5-200	18	30	5	5157330	5157335
12	19-600	30	40	18	5157331	5157336
40	45-1,350	40	40	45	5157332	5157337
80	93-2,800	60	50	88	5157333	5157338
120	150-6,000	80	60	128	5157334	5157339

*Based on a solvent system of 80% Methanol, 20% Water

Amino and Diol Phase Recommendations

Reveleris® Amino and Diol Phase columns can be re-used for maximum performance and use. Depending on sample type, the columns can be used 20-30 times without a significant change in performance. Following these recommendations will help to extend column life and help to ensure reliability.



Suggested Operating Conditions

Column Conditioning

Equilibrate the column with 5 column volumes (CV) of initial starting mobile phase prior to use. Refer to the Table above for column volume data.

Sample Loading

Load sample in the amount of 0-3% of the column packing bed weight.

Post-run Care

Wash with 4CV's of a high percentage of strong solvent (100% is suggested). After 4CV's of strong solvent wash, return the percentage of solvent to the starting conditions for 2 CV's. This helps ensure that any bound material is washed off the column and will not interfere with the next run.

Repeat the process for each run.

Storage

Store the column in 100% Isopropyl Alcohol water to avoid microbial growth and preserve the packing bed integrity. Store columns with this mobile phase inside and with caps tightly secured. The column should not be allowed to dry out, as this will cause voids in the packing bed and compromise future separations.

Performance

Performance of Reveleris® Amino and Diol Phase Flash Cartridges is improved when used with, and linked to, the RevealX™ technology (patents pending) incorporated in the Reveleris® Flash System, which unlocks high pressure and flow rate advantages.



Reveleris® Flash Chromatography System

For more information, visit www.discoverysciences.com/reveleris

CAUTION

Do not operate Reveleris® Amino and Diol Phase Flash Cartridges above the rated pressure. The maximum physical pressure limit of the column is 200psig. Operation above the rated pressure may result in column failure and solvent leakage.

Visit www.discoverysciences.com/FlashChromatography/ApplicationNotes.aspx to access the latest applications utilizing Reveleris® flash cartridges

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