

HPLC SAMPLE PEAK RECYCLER™

- The CS3080, LC Sample Peak Recycler™ allows partially resolved peaks to be separated automatically by recycling the sample back through the LC column to improve the separation. Recycle chromatography is commonly used in preparative chromatography, but is rarely used in analytical chromatography. Numerous problems of sample dilution caused it to have poor performance in analytical chromatography applications. This latest design, has solved all of the earlier design problems and now enables any chromatographer to take advantage of this powerful technique.



Each system consists of both a modular control box and a remote high pressure, low delay volume valve. Designed to work with most any manufacturers HPLC system. Only a single HPLC pump, two columns, a high pressure rated flow cell and two available time programmable contact closure are all needed to operate (not included).

IMPROVE RESOLUTION WITHOUT DEVELOPING A NEW METHOD.

- Developed by us in 1996 this system uses a technique known as "Column Leap Frogging", not "Simulated Moving Columns or SMC which was a name incorrectly applied to our device.
- Great for partially resolved chiral racemate samples. Recycle as many times as needed.
- Does not run the sample back through the pump head, which can dilute the sample, but rather passes it onto one of two identical columns in a "leap frog" manner.
- The detector can be placed *after* each successive column outlet to monitor the progress of the separation, without disturbing the run. This allows real time monitoring of the sample not found with any other system on the market.

Pricing: \$4,500 (USD) * Prices noted are subject to change. Please request a quotation.

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