

## LC-MS PRODUCTS:

### LC-MS CONTAMINATION MINIMIZER (aka LC-MS Watchdog™):

- Automatically divert concentrated sample peaks away from your MS source to reduce or eliminate MS inlet port clogging and down time. Monitors your UV detector signal and can be used with most brand Mass Spec's. \*Requires an inline UV/VIS detector with analog output. Model CS3040.

### HPLC COLUMN SELECTION SYSTEMS:

- *Use what the professionals use.* The **LC SPIDERLING™** LINE of AUTOMATED COLUMN SELECTION and SCREENING SYSTEMS. Automate HPLC column selection with Agilent Technologies (HP) or other manufacturers HPLC and LC-MS systems to speed up the method development process. Ultra low dead volume. Our **LC Spiderling™ Series-II** versions are stackable, integrated modules which allow automated column selection from as few as 3 to as many as 9 different HPLC columns, plus one By-Pass line. Our **LC Spiderling™ Deluxe** models add a built-in column compartment with forced-air heating and sub ambient cooling for ALL columns. Simple contact closure control, RS-232 serial control or fully integrated ChemStation /OpenLAB software control interfaces are available. 340 bar standard pressure and UHPLC style 600 or 1,000 bar options Great for Automated HPLC Method Development and Automated Screening Applications! Model CS3060- and CS4000-Series modules.

### ALTERNATING COLUMN REGENERATION SYSTEM:

- **The Column Swapper™**. Reduce total analysis time by simultaneously analyzing a sample on one column while a second, identical column is flushed and equilibrated off-line. At the end of the analysis, the two columns are “swapped” and the next run begins without waiting for the column to be flushed and equilibrated. Great Time Saver! Model CS3010.

### 2D MULTIDIMENSIONAL HPLC COLUMN SWITCHING SYSTEM:

- LC x LC stand-alone HPLC module connects to most any HPLC system and provides 2D capability. Only requires one HPLC pump, but unlike other manufacturer's cheap 10-port valves which limit how you use the system, our superior product provides you with the maximum number of options to fully flush & equilibrate 2 different columns and run two different HPLC methods (e.g. NP & RP). Allows you to perform sample clean-up, heart cutting, fractionation and back-flushing (of one or both columns) on-line with great ease and control. True 2-D HPLC. Easily automated through simple contact closures for control by most HPLC systems. The best stand-alone LC x LC system you can purchase! Model CS3020.

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