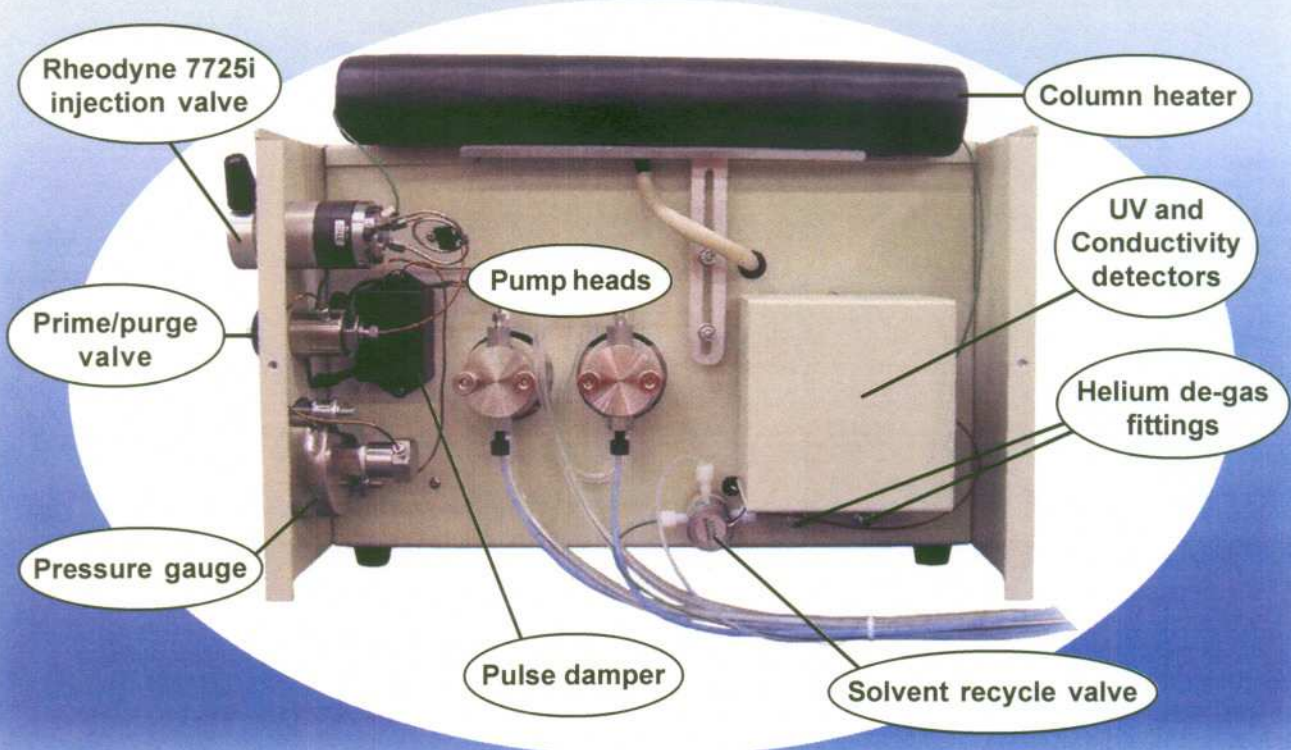
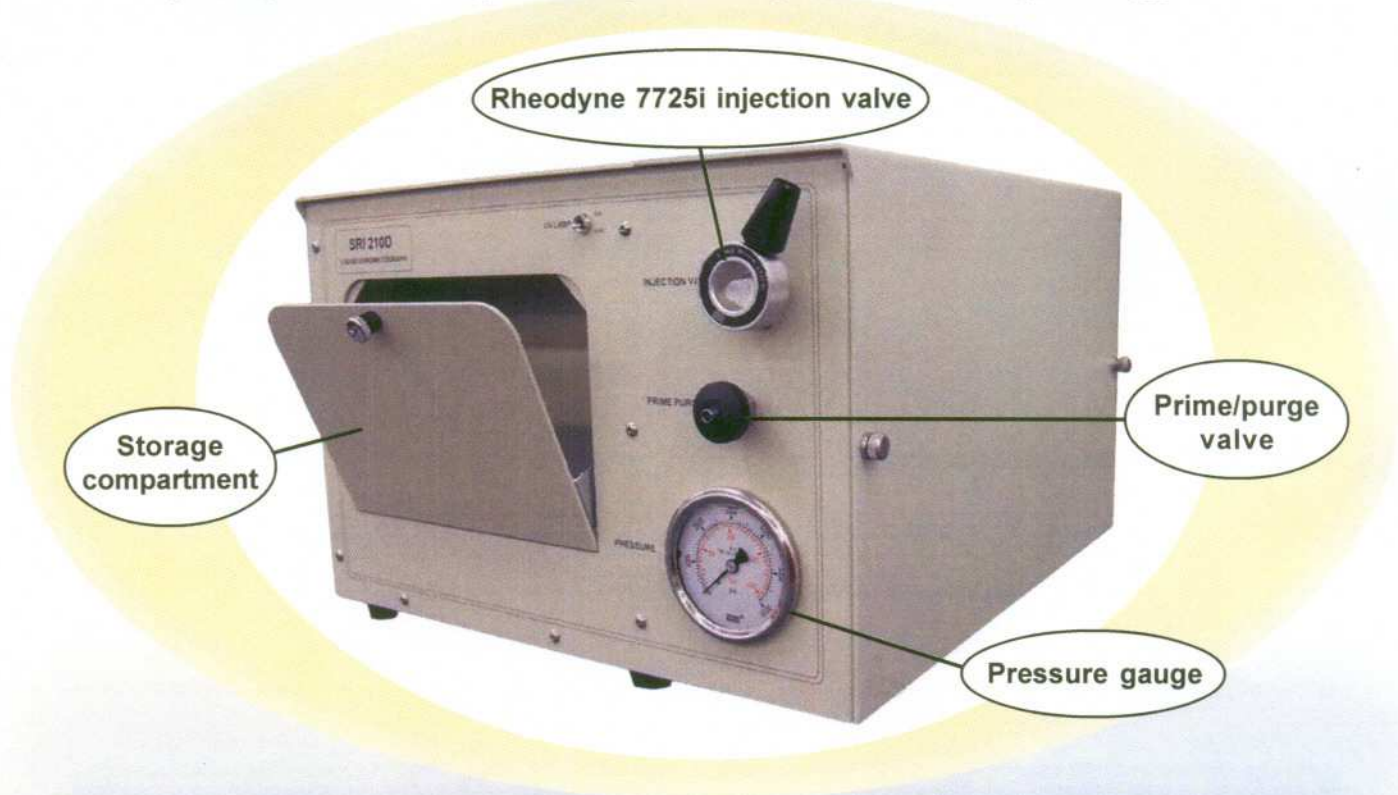




GC-LC Innovations

Model 210D HPLC System

A complete system including PeakSimple Data System in one compact, rugged chassis!

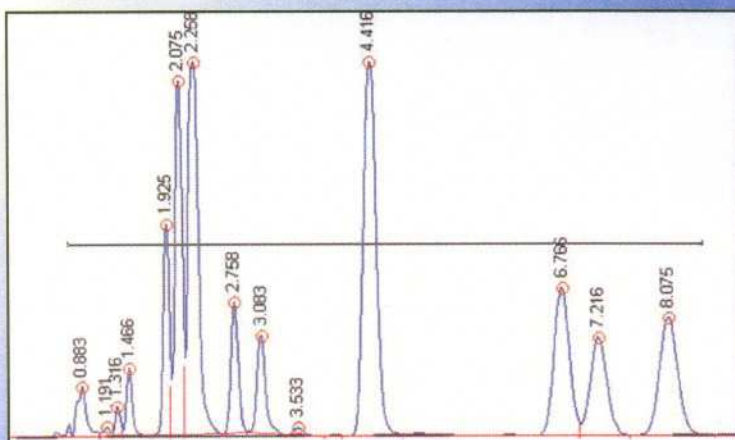


Model 210D HPLC System

The 210D comes standard with two detectors and a single channel A/D board. The signals from the UV and Conductivity detectors are software switchable. The user can toggle between one detector and the other, even during analysis. If both detector signals need to be viewed simultaneously, we recommend upgrading to a four or six channel data system. An additional benefit—there will be 2-4 extra channels available for external detectors, which can be easily connected to the customer access terminals on the left side of the 210D.

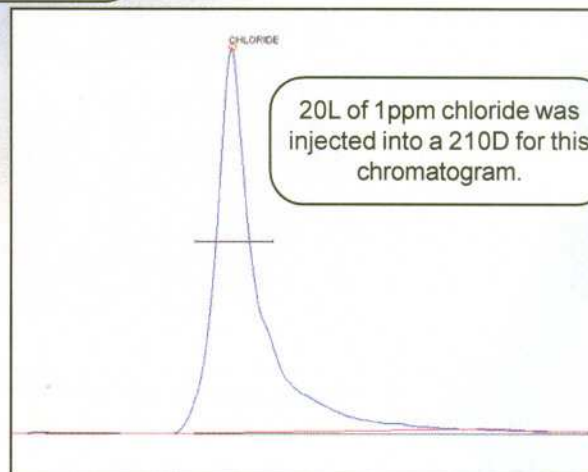


The broadband UV detector monitors multiple wavelengths between 200nm and 400nm. The 254nm emission line from the mercury lamp is the strongest, but other, weaker emission lines (312nm and 365nm) may also be absorbed by the sample as it passes through the cell. In most cases, this is an advantage because it may allow compounds which do not absorb at 254nm to be detected. In other cases, the additional bandwidth of the detector may detect interfering peaks.



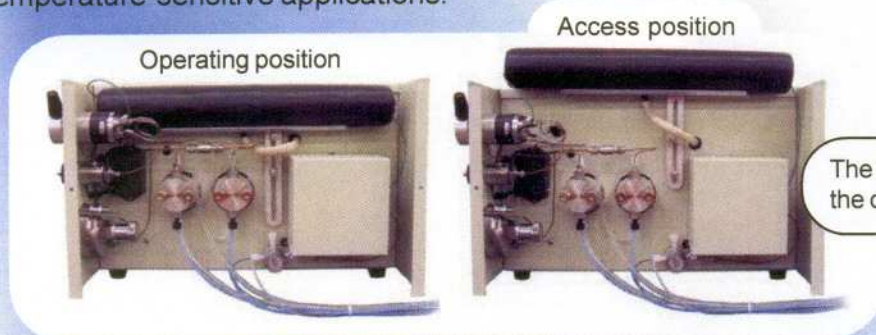
This chromatogram shows the analysis of a mix of polycyclic aromatic hydrocarbons (PAHs) by the UV detector in the Model 210D.

The Conductivity detector is conveniently integrated into the body of the low-volume UV cell. The entire detector compartment is thermostatted to ensure the most stable possible baseline. The Conductivity detector is particularly useful for measuring anions, organic acids, and compounds which do not absorb in the UV.

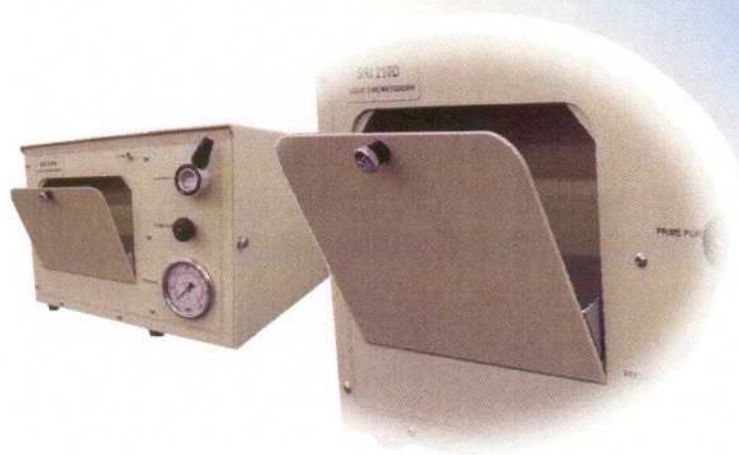
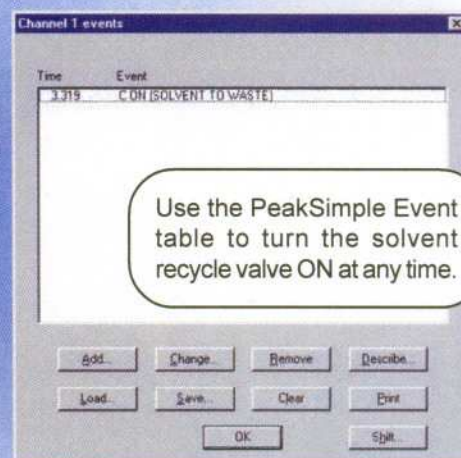


Model 210D HPLC System

The Model 210D column heater will accept most HPLC columns up to 25cm long. The heater is mounted on a vertical slide that conveniently holds it above the compartment for column installation or replacement. The temperature is adjustable from ambient to 100°C for a wide range of temperature-sensitive applications.



The solvent recycling valve is a huge convenience that saves time, money, and disposal costs because it allows the user to recycle the solvent when no peaks are eluting. The solvent recycling valve can also be used as a single sample fraction collector. Using a PeakSimple Event table, the solvent recycling valve can be switched at any time during the analysis to divert the detector effluent from the waste bottle to a sample vial when the peak of interest exits the detector.



A handy storage compartment built into the front of the 210D holds your injection syringe, priming syringe, spare parts, and a few vials securely during shipping. No longer will you have to worry about your syringe rolling off the bench onto the floor! Keep your HPLC tools with your HPLC.