Microbore sample injection poses new problems in HPLC.

And Rheodyne solves them.

People using microbore columns want to inject miniscule samples—typically only a fraction of a microliter.

It's not easy to form a sample that small with high precision. And it's even harder to convey it to the column with low dispersion.

Rheodyne solved these problems with the micro sample injection valve pictured below. The sample holding chamber is a tiny hole bored through the valve's rotor. You load the sample through a built-in needle port—that's the easy way—then turn the valve to inject a precisely repeatable sample of 0.2, 0.5 or 1.0μL. You change sample size by changing the rotor, a simple 3-minute task.

To minimize dispersion Rheodyne formed a flow passage to the column only 0.13 mm (0.005 inch) in diameter. Incredibly small!

For the whole story on the Model 7520 injector, contact Rheodyne, Inc., P.O. Box 996, Cotati, California 94928, U.S.A. Phone (707) 664-9050.

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