

## Where a Static Mixer for HPLC Instruments Should be Placed - Tips & Suggestions

*Date: 11-JULY-2017 Last Update: 8-NOVEMBER-2025*

Static mixers are designed to reduce detector noise associated with heterogeneity of multiple mixed solvent sources by mixing more thoroughly than can be accomplished with a proportioning valve in the HPLC instrument.

The best place for the static mixer is after the solvents have been mixed by the instrument but before the sample has been injected.

*You would simply remove the tubing from the pump assemblage outlet and insert the static mixer between these two components.*

Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)