OVERVIEW:

Discovering and selecting the next big molecule to treat human disease is a monumental task. With thousands of molecules vying to move through the pipeline or frequent requests from the bioprocess manufacturing teams, analytical scientists need to maximize use of their time to enable accurate information to be collected and conveyed to stakeholders. Molecules aren't getting any easier to analyze, so having the right tools available is critical to efficiently produce analytical data.

METHOD SETUP:

Mass Spec

Flow Rate: 1 ml/min
A: 0.1% Formic in Water
B: 0.1% Formic in ACN

HPLC Column

0.17 ml/min

5:1 Flow Split Needed

0.83 ml/min
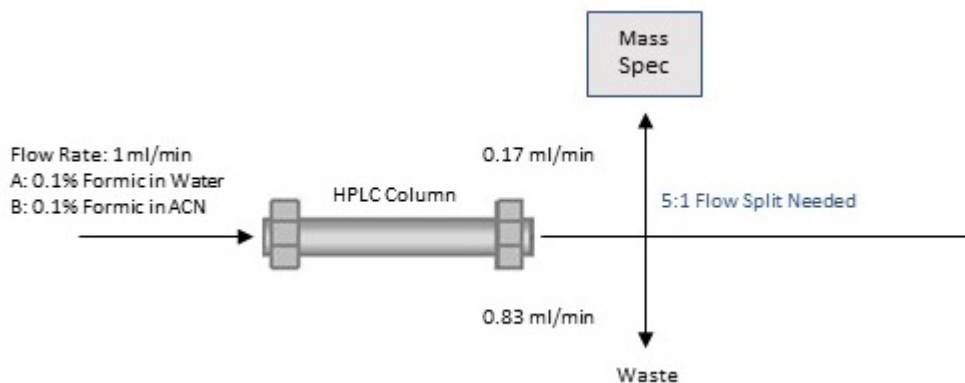
Waste

DIY PEEK Tubing Splitter

THE CHALLENGE: WASTED TIME SETTING UP FLOW SPLITS

Time is of the essence. When you're in the R&D lab of a major pharmaceutical company and people are depending on your analysis and testing to bring data to the meeting, you shouldn't have to spend time cutting tubes to make flow splitters for your analytical setup or validate flow accuracy prior to the install.

THE SOLUTION: QUICK TO INSTALL AND READY TO SPLIT

One of the world's largest pharmaceutical companies utilized a new, state-of-the-art flow splitter technology developed by Mott Corporation that is easy to install and ready to split flow right out of the box. With patent pending design at approximately 5 μL internal volume, the combination of finger-tight design and multi-pore technology enables not only a fast, accurate split, but is small and light-weight to be put anywhere in your setup. They quickly achieved the 0.2 ml/min flow rate to their mass spec by using a Mott 5:1 flow splitter right out of the box.

RESULTS: TIME SAVED AND DATA READY

Our customer now saves critical hours in the work week. Instead of cutting PEEK tubing, verifying flow rates and attempting to maintain outdated or homemade splits, that time can now be spent focused on collecting maximum data density and reviewing results when providing reports to stakeholders for critical company decisions.

Mott Flow Splitter