

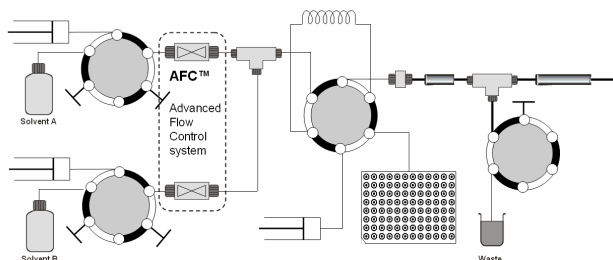
Split and pulsation free nano-flow HPLC for proteomics

World-class performance, reliability
and robustness with less hassle!



EASY-nLC™ (LC-100)

Innovative thinking

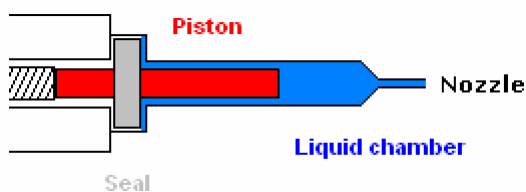


This is not a conventional HPLC with a flow splitter added for nano-electrospray applications. We designed it to do one thing only - robust, steady, reliable, 1D, nano-flow chromatographic separation - injection after injection, run after run.

Why be a jack of all trades but the master of none. Your research, your precious samples and your valuable time deserves the very best

The way it was meant to be. **Easy.**

Pulse free flow

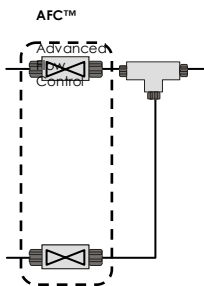


Our nano-litre pumps use a direct drive sapphire piston and are completely pulsation-free which eliminates the repetitive, physical shocking of all liquid parts and separation columns, giving fewer leaks and less downtime.

Split free gradient mixing

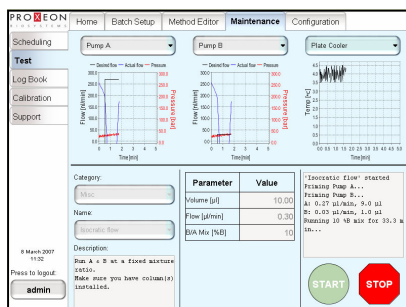
The direct drive pumps allow very precise, split free binary gradient mixing, controlled by two nano flow sensors, one for each mobile phase.

The AFC™ (Advanced Flow Control) also allows individual and automatic calibration for each of the two solvents.



Intuitive operation

The control interface is a touch-sensitive display with a set of intelligent, workflow-oriented screens that only require high-level and logical parameters.



The software uses its understanding of the components and flow paths to automate a number of maintenance and troubleshooting procedures. This knowledge is also used to streamline sample processing.

Serviceable by design

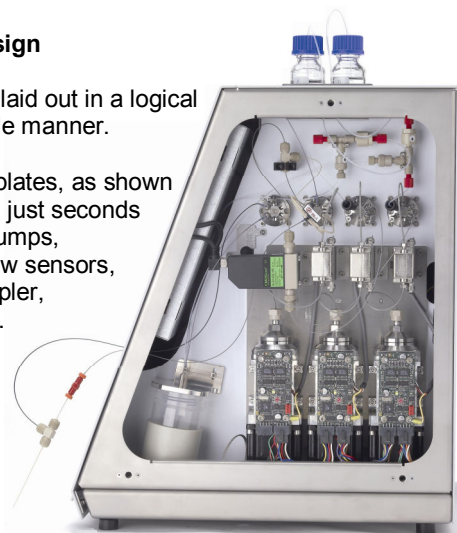
All components are laid out in a logical and easily accessible manner.

Removing the side plates, as shown in this picture, takes just seconds and shows all the pumps, switching valves, flow sensors, the cooled autosampler, ready for inspection.

Service and repair is equally fast.

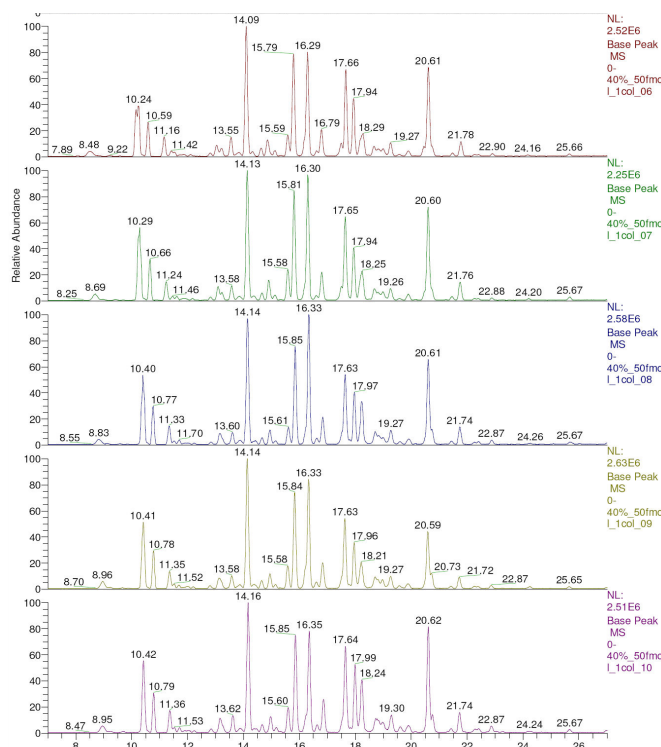
What you see is what you get.

Easy.



Unbeatable reproducibility

Retention time **RSD < 0.25%** on 50 fmol tryptic digest BSA and a short 300 nl/min gradient (5-50% organic linearly over 25 min), 5cm C-18 (3 µm) column (75 µm ID).



The choice is yours. **Easy.**