

The background of the entire page is an abstract, artistic composition of swirling, ethereal patterns in shades of blue and white against a dark, almost black background. These patterns resemble ink or paint being dropped into water, creating delicate, flowing lines and soft, cloud-like shapes. The overall effect is one of dynamic movement and organic complexity. In the upper left corner, there is a small, solid red circle. A thin white horizontal line runs across the top of the page, starting from the left edge and ending just before the main text area.

# Liquid Chromatography

## Access to the widest variety of HPLC systems

*Chromatographic separation is critical in many sample analysis workflows, and its value, analytical depth, and versatility are amplified dramatically when coupled to MS systems. Bruker's Compass HyStar is a state-of-the-art software solution for configuring and controlling hardware for these hyphenated techniques. Compatible with HPLC systems from many vendors, HyStar fully integrates LC-MS data collection. Subsequent data processing and report generation can be specific to a given workflow, including necessary quantitation, target identification, and screening tasks.*

## nanoElute – Simply Connect

The powerful and fully integrated nanoElute® (nanoflow UHPLC) system comes with unique valve design and software controlled flow path architecture for direct loading or pre-concentration of samples. Large volume, single stroke piston pumps deliver accurate gradients at pressures up to 1,000 bar to support a wide range of applications. Instant Expertise methods generate optimal separation gradients to suit proteomics samples. The system has a built-in scheduling of preventative maintenance and precise diagnostics to detect leaks and blockages. Additionally, the automated calibration feature monitors run-to-run consistency in a single mouse click.



nanoElute	
flow range:	50 - 2,000 nL
pressure limit:	1,000 bar
carryover:	0.003%
size [mm]:	790 × 490 × 900
additional information:	Trouble-free operation, ease-of-use along with top performance

## Elute LC Series – Ultimate Precision

Elute LC systems are built with intelligent novel flow control algorithms to deliver robust and precise gradients regardless of solvent compressibility, pressure, and flow rates. Elute LC systems incorporate self-priming and self-purging capabilities through the built-in pump, offering a simple and fast exchange of mobile phases and avoiding any leaks associated with manual operations.

The unique feature of automatic solvent compressibility measurement compensates for flow pulsation and flow rate reduction caused by solvent compression. This principle makes it easy to maintain and transfer LC methods. Additionally, the column switch (up to six) option provides great flexibility for routine labs, allowing higher productivity e.g., for the analysis of different sample types for overnight LC-MS runs.



### Elute LC

	SP	UHPLC	OLE	HT
flow range:	1 - 5,000 µL	1 - 5,000 µL	1 - 5,000 µL	1 - 5,000 µL
pressure limit:	700 bar	1,300 bar	1,300 bar	1,300 bar
carryover:	0.001%	0.001%	0.001%	0.003%
size [mm]:	690 × 500 × 610	690 × 500 × 610	690 × 650 × 610	550 × 1,180 × 500
additional information:	Standard analytical LC for routine applications and moderate throughput	Faster and high resolution separations	Combine the advantages of UHPLC and online liquid extraction	UHPLC combined with PAL3 autosampler for high sample throughput