UHPLC-XRS

The UltiMate 3000 XRS quaternary UHPLC systems provide lowest gradient delay volume in the market. Enjoy the shortest run times without compromising on flexibility and resolution.
With the lowest gradient delay volume and unmatched flow precision and accuracy amongst all leading quaternary UHPLC platforms, the instrument is designed to support very robust chromatographic runs with column pressures up to 1,250 bar (18,130 psi). The UltiMate 3000 XRS system delivers exceptional productivity when coupled to Thermo Scientific mass spectrometers. An innovative new flow cell design, combined with Viper connection technology, helps the UltiMate 3000 XRS system to reduce resolution loss and peak dispersion while offering ease-of-use and performance. As a stand-alone instrument, the UltiMate 3000 XRS is designed to set new benchmarks for high resolution chromatography, unique and complimentary detection technologies, flexibility in its configuration and user accessibility for pharmaceutical, biopharmaceutical, environmental, food safety and chemical laboratories.
Choose between the ultra-low dispersion UltiMate 3000 XRS Autosampler with its 3 well plate capacity or the UltiMate 3000 XRS Open Autosampler to extend the capacity up to 12 well plates. Combine this power with our industry-leading choice of UHPLC-compatible detection technologies.

Pełna specyfikacja

The Vanquish system can ...

... drive the separation with more power

- 1500 bar (22,000 psi) of pump pressure at flow rates up to 5 mL/min
- Industry-leading flow and gradient precision
- 2 x 3 solvent channels

... handle the sample with more accuracy

- Up to 23 well plates for 8832 samples
- Excellent injections up to 100 µL in 0.01 µL increments
- Automation of workflows with barcode reading

... control the separation with more confidence

- 2 thermostatting modes
- 5°C to 120°C temperature range
- Active pre-heating

... detect the analyte with more sensitivity

- Linear up to 3000 mAU
- Noise levels down to ±3 µAU
- Lowest dispersion with Thermo Scientific™ LightPipe™ technology