



**High Performance Liquid Chromatography (HPLC) (Reversed Phase):** UltiMate 3000 Standard LC systems provide the right solution for demanding microbore, analytical, and semipreparative LC applications. System components are perfectly matched to meet requirements such as low extracolumn and gradient delay volume for high separation efficiency and low gradient response times, as well as superior mixing performance. Analytical systems are UHPLC compatible with pressures up to 62 MPa (9000 psi). For more product information on UltiMate 3000 UHPLC systems and solutions,

SmartFlow technology for pulsation free flows even at high flow rates and pressures

- UltiFlow technology for nano/cap/micro flow rates (down to 50 nL/min)
- UHPLC compatibility of analytical systems with operation pressures up to 62 MPa (9000 psi)
- Superior binary high-pressure or quaternary low-pressure gradient proportioning
- Active rear seal wash for increased piston seal lifetime
- Patented piston seal tightness monitoring
- Variable mixing volumes for optimal mixing performance
- High-precision sampling from multiple formats (well plates, vials)
- System Wellness and predictive performance indicators
- Biocompatible option for reliable and robust bioanalytical LC applications