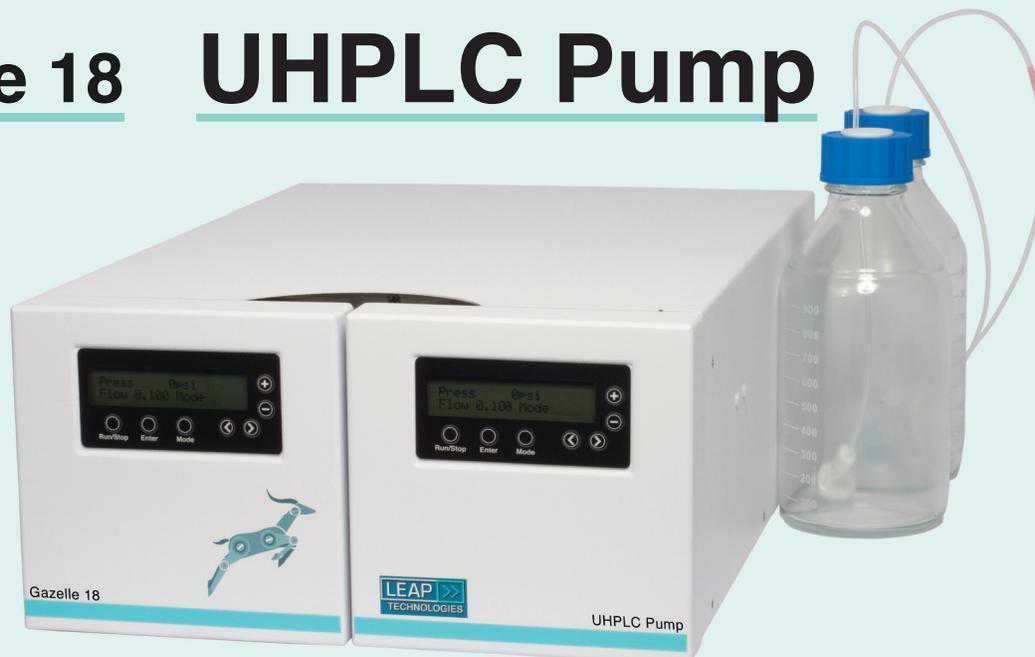


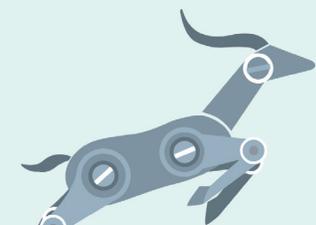
Gazelle 18 UHPLC Pump



Two binary pumps can now be controlled by one driver. Highest range of pressure and flow rate in the industry. Complete with LEAP's own Analyst™ pump driver to accommodate today's needs.

**Fast Delivery Time
Bargain Price
Extremely Rugged
3 Year Warranty**

- 20 step programming including gradient or step gradient
- Both flow and concentration are programmable
- Simultaneous method editing even while Analyst™ running
- Can save and use method templates to simplify building methods
- Minimal delay volume (10µl plus mixer vol)
- 5ml/min upper flow rate 18,000 PSI
- Column heater mounts on MS inlet
- Built in degasser and electronic pulse compensator
- Digital output to synchronize piston position with injection
- Additional digital inputs / outputs for event controls
- Two pumps can be run simultaneously from Analyst™
- 3 Types of control: front panel, remote stand alone, remote Analyst™
- Absolute pressure calibration within 100psi
- Self Flush - Automatic Piston Wash



Gazelle 18 Binary UHPLC Pump Specifications

General

Maximum Pressure	18,000 psi ; 1,240 bar
Ideal Pressure Working Range	500 – 18,000 psi
Flow Rate Range	0.001 – 5.000 mL/min each pump
Flow Rate Increments	1 μ L/min
Delay Volume	10 μ L; plus mixer (60 μ L)
Cylinder Volume (piston displacement)	15 μ L
Check Tee Volume	10 μ L
Front Panel Display	2 lines; 20 characters per line
Front Panel Functions	Set flow rate; Run-Stop; Read Pressure; Set Upper-Lower Pressure Limits; Solvent Select; User Flow Rate Calibration; Alarms, Prime-Purge function not standard but can be added
Remote Software	RS-232 and USB standard; Protocols available in manual to write software; Standalone program to run pump from PC available
Data System Integration	Analyst driver; Clarity driver; EZChrom driver
Dimensions	13.5" (W) x 19.4" (D) x 6.5" (H)
Weight	44 lbs

Performance

Retention Time Repeatability	<0.15% RSD at HPLC pressures; run time >1 min <0.25% RSD at UHPLC pressures; run times < 1min
Flow Rate Accuracy	Better than \pm 1% at 1 mL/min; 10,000 psi with methanol; Better than \pm 2% across the flow range above 0.2 mL/min with methanol
Pulsation	\pm 0.75 from 500 – 18,000psi

Accessories

Degasser	Built in, 2 channels; max 2mL/min
Degasser Type	Vacuum
Column Heater	Compact temp. a) 90°C; b) 180°C; c) Cooling; Mounts at source or at PAL sampler; Ethernet; Integrates with Analyst and Xcalibur

Software / PumpDriver

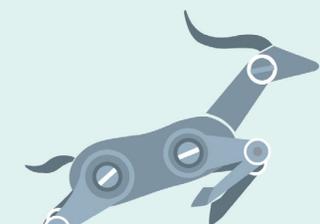
Editing of methods during gradient run	Simultaneous editing of methods and method running in background
Fast gradient method creation	Saved method templates save time during method development action
Multi pump capable driver	2 pumps can be controlled by driver for multi-pump set up
Up to 20 step program	For 1 gradient run 20 steps are available; select flow and concentration; gradual or step change
Digital outputs	2 digital outputs are available
Fraction Collection feature	Built in support for Mass Directed Fraction Collection (contact closure on peak detected, open on peak end).
Direct pump control	Direct Control of pump – e.g. Analyst Queue not active, user can download and run methods, or operate pump at selected flow and concentrations
Remote control, drivers available	Analyst, Clarity, EZChrom
Column Heater	Analyst Driver

Reliable LC Bundle Especially Configured for LC-MS



- Flexible, most up-to-date PAL with DLW
- Most powerful pump driver for Analyst™
- Attractively priced
- Unique LEAP owned **Productivity Wand** signaling *in-run*, *idle* and *error* state
- Column heater for unique positioning

From Solvent Bottles to Column Heater, One Package, Optimized for Productivity in The LC-MS Lab.



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