

B2300 Binary Pump



The 2300 is a binary gradient pump for advanced applications.

Meets the most demanding applications

The B 2300 series consists of two high-performance pumps, a minipulse damper, and an offline pressure transducer. Pump features:

- Fast & easy setup - 2 inlet connections from solvent reservoirs, outlet connection to injector
- Modular - can be added to any system
- All stainless or PEEK fluid path (pumps, valves, and fittings)
- Self-flushing pump heads for extended seal life and reduced maintenance
- Overpressure system shutdown to protect LC column
- Easily user-adjusted process set points (flow rate, pressure) via front keypads
- Digital readout of process parameters
- User-settable upper/lower pressure limits
- RS-232 interface
- Compact size - 11 inches
- .001-5ml/min

Reduced maintenance

Seal life is dramatically extended by actively flushing the back of the primary seal with a flushing solution. The result is less down-time and reduced operating expenses. The self-flush is automatic; just change the flushing fluid weekly. Seals can be changed in five minutes without tools.

New easy prime heads

The B2300 Pump features a head design with the prime purge valve integrated into each fluid path. This insures the solvent is drawn from the reservoir even if the other pump is running.



Chrom Tech, Inc.

“your chromatography specialists”

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Flexibility in control

Binary gradient programming can be accomplished by a hand-held keypad unit, or by EZStart data acquisition software.

Performance beyond its price and the security of a 3-year warranty

The use of digital stepper motor technology and the proven single-piston design gives the performance of the most expensive pumps at a fraction of their cost. The operating cost is lower too, due to the simplicity of the design and fewer number of parts required. It's so reliable it carries a three-year warranty.

Reproducibility you can count on

The B2300 Pump gives reproducible gradients and chromatography due to its pulse free low volume fluid path. The result of this simplicity and low dead volume is reproducibility that is seen in the chromatographic performance.



Specifications

Flow rates	.001-5 mL/min. or .01-10.0 mL/min
Pressure	0 to 6,000 psi (SS heads) 0 to 5,000 psi (PEEK head)
Pressure accuracy	±1% of full-scale pressure
Pressure zero offset	±2 psi
Flow Accuracy	±2% at flow rate of .2 mL/min. and above
Flow Precision	0.2% RSD
Features	Prime-purge valve Pulse damper Self-flushing pumphead LED display
Environmental	Indoor use only
Altitude	2000 M
Temperature	10 to 30 C
Humidity	20 to 90% relative humidity
Remote inputs	RS-232
Dimensions	7" H x 10.5" W x 15.25" D (18 x 27 x 39 cm)
Weight	24 pounds (11 kg)
Power	100/110 Volts ac; 220 Volts ac 50/60 Hz

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B2300 Binary Pump Ordering information:

BG-2305	2300 pump, .001-5 mL/min, Self-flush, minipulse damper with pressure, SS
BG-2305B	2300 pump, .001-5 mL/min, Self-flush, minipulse damper with pressure, PEEK
BG-2310	2300 pump, .01-10 mL/min, Self-flush, minipulse damper with pressure, SS
BG-2310B	2300 pump, .01-10 mL/min, Self-flush, minipulse damper with pressure, PEEK
160818	Bottle Organizer, holds 2-1L, 1 wash

Pump Control Options:

SCU-460	SCU-460 Keypad system gradient control unit (for 5mL/min model)
SCU-470	SCU-470 Keypad system gradient control unit (for 10mL/min model)
CLARITY	DataApex Clarity software with digital pump control for LabAlliance pumps & data acquisition.



SCU-460 Keypad