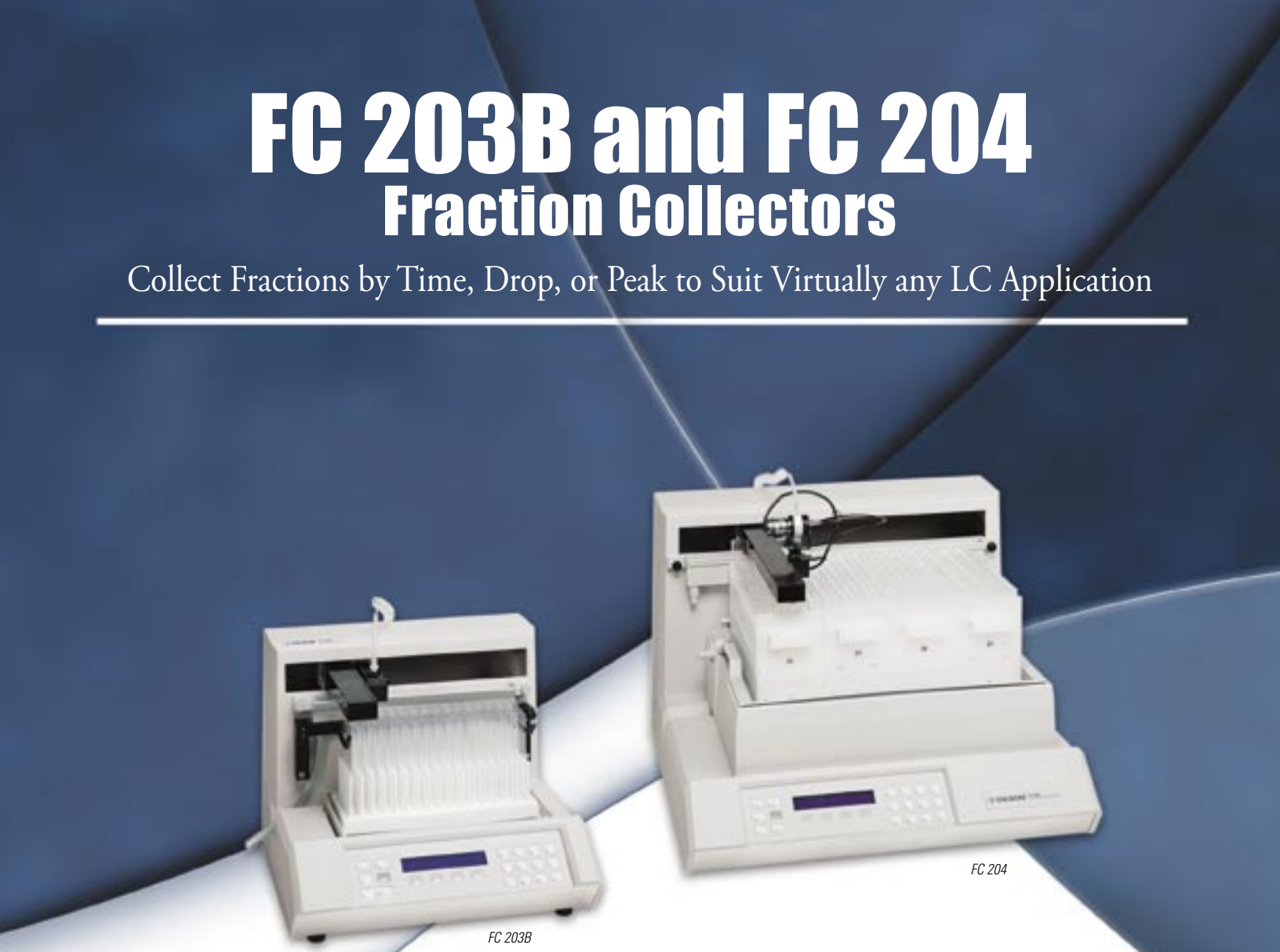
FC 203B and FC 204
Fraction Collectors

Collect Fractions by Time, Drop, or Peak to Suit Virtually any LC Application



FC 203B

FC 204

- In peak mode, collectors monitor a detector signal and identify peaks using either an adaptive-slope algorithm or a specified millivolt cutoff
- Up to ten programmable time windows can be added for collecting only what you want while discarding the column's void volumes, peaks of no interest, and equilibration volumes
- Operates as a stand-alone instrument with an easy-to-use keypad, or can be controlled through your PC via Gilson's UniPoint™ System Software
- Choose the capacity and volume to meet your needs—the FC 204 for large volumes and capacity, and the compact FC 203B for small capacity collection
- Wide variety of collection vessel options, including microplates, microvials, test tubes, and temperature-controlled racks
- Gilson's 3-way diverter valve, for preventing spillage when effluent is diverted to waste and for simplifying the collection of pure peaks, is standard on the FC 204, optional on the FC 203B
- Contact closure inputs are available to remotely start, advance, or stop the collectors
- Cold room-compatible for added laboratory flexibility

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FC 203 and FC 204 *Technical Specifications*

Manufacturing Standards	Safety certification: EMC/EMI certification: UL 1262 EN 50082-1 CSA C22.2-No. 151 EN 55011 EC 1010-1 FCC Part 15 Class A
Power Requirements	Frequency: 50 - 60 Hz
	Voltage: 100/120 V or 220/240 V; mains voltage fluctuations not to exceed ± 10% of the nominal voltage
	Current rating: 0.5 A for 100/120 or 0.25 A for 220/240 V
Software Control	Via Gilson Serial Input/Output Channel (GSIOC) or by contact closure
Collection Modes	Manual, Time, Peak and Time, Peak and Time with Time Windows
Time-Based Programming	Up to 10 collection windows and 10 drain steps in any mode
Multi-Cycle Operation	Repetitive collection of same sample, or multiple, automatic collection of different samples
Time Units	From 0.01 to 99.99 minutes per tube, with 0.01 minute limit of resolution
Drop Counting	Up to 9999 drops per fraction. Maximum rate: 20 drops per second
3-way Valve	3-port, PTFE, 60 µl dead volume, up to 200 ml/minute
Display	2 lines of 24 alphanumeric characters; backlit LCD
I/O Contact Closure	I/O Contact Closure Inputs for start/advance and end. Event mark output. One programmable output for control of peripherals
Keypad Location	Integral
Method Storage	Saves most recent set of parameters
Peak Collection	Adaptive-slope algorithm accommodates drifting baselines, negative and asymmetrical peaks applying user-set peak parameters.
	Absolute threshold level that collects all peaks above a user-specified mV level
Operating Temperature	0 - 40° C
Detector Input	100 ms pulse
Event Mark	± 10 or 100 mV full scale
Dimensions (w x d x h)	FC 203B: 32.4 x 29.2 x 26.7 cm (12.8 x 11.5 x 10.5 in)
	FC 204: 47.9 x 46.4 x 33.0 cm (18.9 x 18.3 x 13.0 in)
Weight	FC 203B: 5 kg (11 lbs)
	FC 204: 11 kg (24 lbs)

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