ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Gilson FC 204* at our website: *Click HERE*

FC 203B/FC 204 Fraction Collectors

Time, drop or peak collection to suit virtually any fraction collection application

The FC 203B and FC 204 Fraction Collectors are ideal instruments to integrate with any HPLC system. Capable of collecting into a variety of vessels these fraction collectors can also be used in a stand-alone operation using time, drop or peak based collection.



Features & Benefits

- Choose the compact FC 203B for lower capacity or the FC 204 for large volumes and capacities
- Accepts a wide variety of collection vessels, including microplates, vials, and tubes
- In peak mode, the collector monitors a detector signal and identifies peaks using either an adaptive slope algorithm or a specified millivolt threshold
- Up to ten programmable time windows can be added for collecting specified samples while discarding the column void volume, peaks of no interest and equilibration volumes
- Operate as a stand-alone instrument with incorporated keypad or control through TRILUTION® LC Software
- 3-way diverter valve prevents contamination of collected fractions (standard on the FC 204, optional on the FC 203B)
- Contact closure inputs are available to remotely start, advance or stop fraction collection—compatible with most HPLC systems
- Multi-column adapters for collecting up to 18 separate channels (9 on the FC 203B)
- Compact size; fits in most fume hoods



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

FC 203B/FC 204 Fraction Collectors

Applications

- Fraction collection to microplates or tubes for compound purification

FC 203B/FC 204 Fraction Collectors	
3-way Valves	FC 203B/204: 3-port, PTFE, 67 µL internal volume, 3.5 µL dead volume from the common port to the normally closed port, up to 20 mL/min with a large-bore needle FC 204: 3-port, PTFE, 114 µL internal volume, 10 µL dead volume from common port to normally closed port, up to 200 mL/min with a large-bore needle Operating pressure: 30 psi on the NO and NC port, 60 psi on the COMM port Valve switching speed < 20 msec
Detector Input	±100 mV full scale
Drop Counting	Up to 9,999 drops per fraction Maximum rate: 20 drops/sec
Operating Modes	Drop, Manual, Peak + Drop, Peak + Time, Time
Peak Detection	Adaptive slope algorithm that applies user-specified parameters to accommodate drifting baselines, negative and asymmetrical peaks or absolute threshold level that collects all peaks above specified mV value Peak parameters: peak height or level, in mV; peak width at half-height, in min Minimum peak height for fractionation: 0.1 mV full scale Detector-collector delay: 0.01 min increments
Multiple-cycle Operation	Repetitive collection of each sample into same set of tubes or collection of each sample into different sets of tubes
Multiple-column Collection	Simultaneous collection from up to 9 (FC 203B) or up to 18 (FC 204) columns with installation of optional multiple column adapter(s)
Maximum Fractions	FC 203B: 128 – 12 x 75 mm tubes using a Code 14 Rack FC 204: Up to 768 using a Code 17 rack with eight 96-well, 2 mL Whatman/Polyfiltronics microplates
Maximum Collection Volume/Tube	FC 203B: 20 mL (28 x 60 mm) scintillation using a Code 24 rack FC 204: 32 mL (18 x 180 mm) tubes using a Code 22 rack
Rack Capacity	FC 203B: one rack FC 204: one Code 16 or Code 16D, Code 17 or up to four Code 20-series racks (all racks must be the same)
Front Panel Display	HELP, YES, NO, 0-9 numeric hard keys and four soft keys and 2-line, 24-character display on backlit LCD
Software Control	Stand-alone instrument controlled using an incorporated keypad or through TRILUTION® LC Software
Safety Approvals/ EMC Compliance	Meets applicable safety and EMC certification standards; UL and CE certified
Power Requirements	Frequency: 50 – 60 Hz Voltage: 100 – 120 or 220 – 240V; mains voltage fluctuations not to exceed ±10% of the nominal voltage Current rating: 0.5A for 100 – 120V, or 0.25A for 220 – 240V
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 cm (18.9 x 18.3 x 13 in)
Weight	FC 203B: 5 kg (11 lbs.) FC 204: 10.9 kg (24 lbs.)

Product #s:
- 171011 (FC 203B)
- 171011DV (FC 203B, 3-way valve)
- 171041 (FC 204)
- 171043 (FC 204, prep valve)

Gilson, Inc. World Headquarters | 3000 Parmenter Street | P.O. Box 620027 | Middleton, WI 53562-0027, USA | Tel: 608-836-1551 or 800-445-7661 | Fax: 608-831-4451
Gilson S.A.S. | 19, avenue des Entrepreneurs | BP 145, F-95400 VILLIERS LE BEL, FRANCE
www.gilson.com | sales@gilson.com | service@gilson.com | training@gilson.com

ISO 9001 CERTIFIED

©2008 Gilson, Inc. | LT303011-05 | Specifications subject to change without notice.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP