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

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Find the *Thar Process / Berger FCM-1200* at our website: *Click HERE*

AutoChem

Optimize your SFC with Berger's state of the art pumping system

BERGER SFC Analytix

Fluid Control Module



The Fluid Control Module (FCM) is the most sophisticated pumping system ever designed for chromatography. This unequaled pumping system is more than a modified HPLC pump. Proprietary firmware compensates for compressibility of fluids, adiabatic heating and leaks within the system. Dual floating pistons in series virtually ensure stable, pulse-free flow. The pump's versatility allows variable stroke volume optimized to the selected flow rate.

A Peltier-cooled pumphead combined with dynamic compressibility compensation assures precise control of the flow. The pumphead's unique design eliminates the mess involved with recirculating antifreeze baths.

The dual pump system allows for independent control of pressure, flow, and composition.

All these features result in superior precision and accuracy of flow rate, composition and pressure to produce reduced method development time, and shorter analysis times, (excellent retention time and peak area reproducibility).

METTLER TOLEDO

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Specifications:

External Dimensions	32 cm wide, 41 cm high, 53 cm deep, 43 kg weight
Voltage	100/120/220/240
Frequency	50 or 60 Hz ±5%

Compressible Fluid Pump Specifications:

Hydraulic system	Reciprocating dual pistons in series, variable stroke, variable frequency
Compressed fluid flow range	Setpoints from 0.001 to 9.99 ml/min
Flow ramps	3

Liquid Modifier Pump Specifications:

Hydraulic system	Reciprocating dual pistons in series, variable stroke, variable frequency
Modifier concentration	0 to 100% in 0.1% increments
Total system flow	10 ml/min

Pressure Control:

Pressure range	Up to 423 bar (0 to 5880 psi)
Typical pressure ripple	<0.5 bar peak-to-peak measured at the outlet of a packed column
Pressure ramp	10 at up to 99 bar/min
Pressure transducer	Linearity better than ±0.25% calibrated to <± 0.5 bar

Includes:

Compressible Fluid Pump

Optional Modifier Pump

Inlet and Outlet Pressure Transducers

Low volume Electronic Back Pressure Regulator

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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.

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

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

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