

FAST CENTRIFUGAL PARTITION CHROMATOGRAPH[®]

AUTOMATIC BENCH SCALE

FCPC[®] A1000

Preparative instrument for
automatic fractionation and
purification of compounds from :

> **SYNTHETIC CHEMISTRY**
> **BIOLOGICAL MATRICES**
> **NATURAL PRODUCTS** > **BIOTECHNOLOGY**

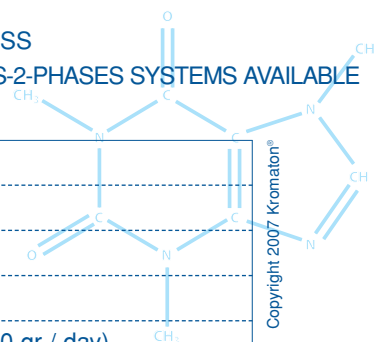
HIGH REPRODUCIBILITY - EASY SCALE UP - GREEN CHROMATOGRAPHY

LOW SOLVENT CONSUMPTION - NO SOLID SUPPORT - ZERO SAMPLE LOSS

EXTREMELY VERSATILE - NORMAL / INVERSE PHASES & AQUEOUS-2-PHASES SYSTEMS AVAILABLE

TECHNICAL SPECIFICATIONS

ROTOR VOLUME	1000 ml
ROTATION SPEED	Up to 1000 rpm
INJECTION QUANTITY	Up to 30 gr / run
FLOW-RATE	Up to 30 ml / min
SEPARATION TIME	30 min to 3h: up to 10 runs / day (up to 300 gr / day)
INJECTION SYSTEM	Automatic bench scale injection with 3 ways valve OR with autostart Rheodyne valve and SS injection loops
PUMP	Isocratic 100 ml / min 15 MPa OR Gradient 50mL / min 28 MPa
DETECTOR	DAD with preparative cell
COLLECTOR	Bench scale collect with automatic 7 ways valve OR with high capacity collector
SECURITY	Automatic door lock, explosion proof motor, maximum pressure control
ADDITIONALS	Cooling system, all stainless steel body, interchangeable 50 ml & 200 ml rotors, Rheodyne valve and SS injection loops, high capacity collector



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APPLICATIONS

SOLVENT SYSTEMS

Non Polar

Polar

ARIZONA RANGE			TERNARY SYSTEMS		AQUEOUS SYSTEMS
SYSTEM Z			SYSTEM A		
Hept / MeOH ACN	Hept / MeOH / EtOAc ACN / MtBE	Water	EtOAc / BuOH / Water MtBE	BuOH / Water TFA / Water AcOH / Water	Water + PEG + Buffer

Simple lipids

Sterols

Inorganic elements

Polyphenols

Polysaccharides

Proteins

Phospholipids

Various organic acids

Anthocyanins

Peptides

Glycolipids

Alkaloids

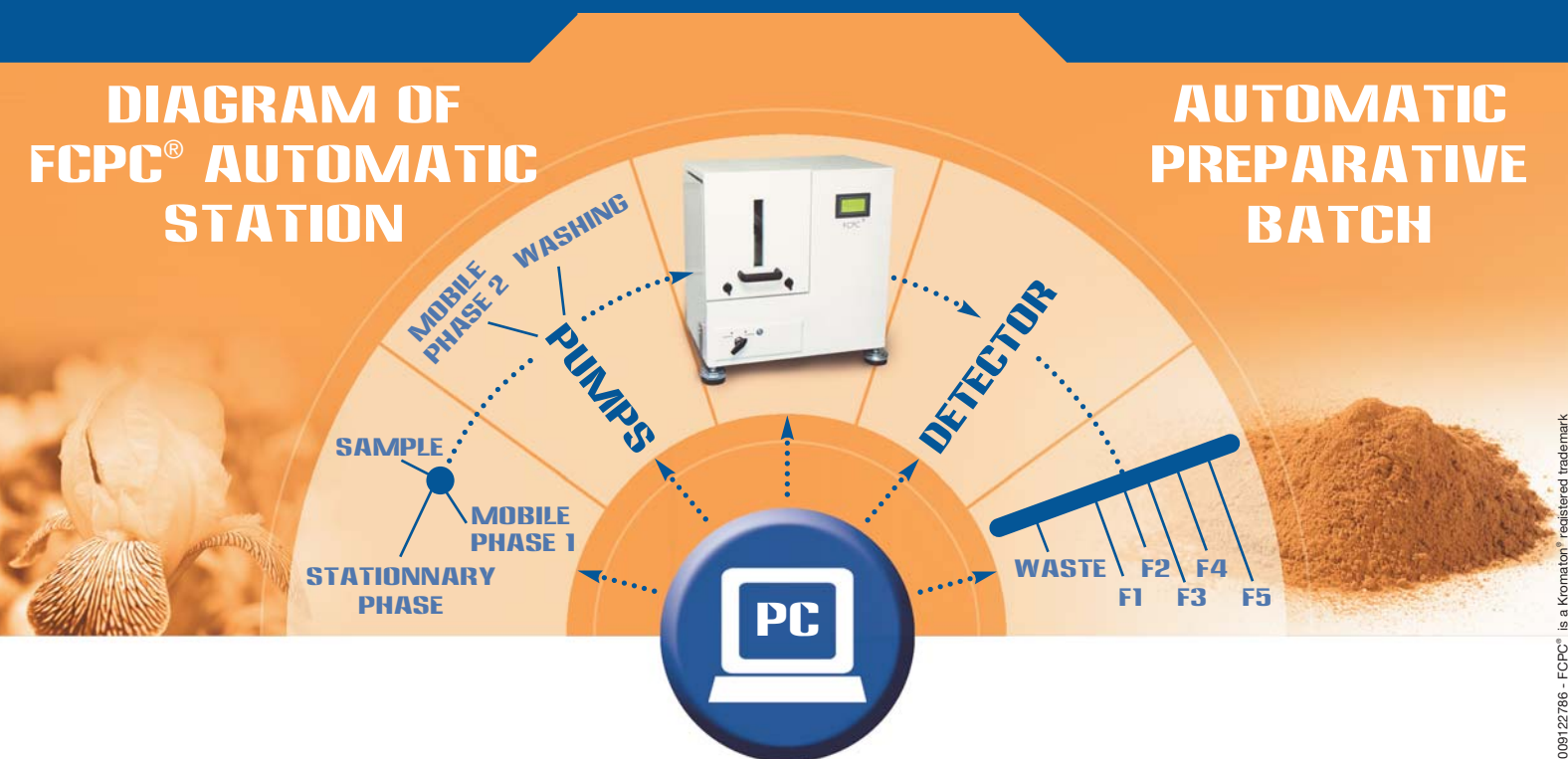
Flavonoids

α - amino acids

VERY HIGH VERSATILITY WITH THE SAME COLUMN

DIAGRAM OF FCPC® AUTOMATIC STATION

AUTOMATIC PREPARATIVE BATCH



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