

# FRC-10A

## Fraction Collector for Shimadzu HPLC System



The Shimadzu FRC-10A fraction collector meets the demands for continuous, automated fraction collection. Pair the FRC-10A with the SCL-10A<sup>VP</sup> System Controller for unparalleled performance for a wide range of fraction collection applications.

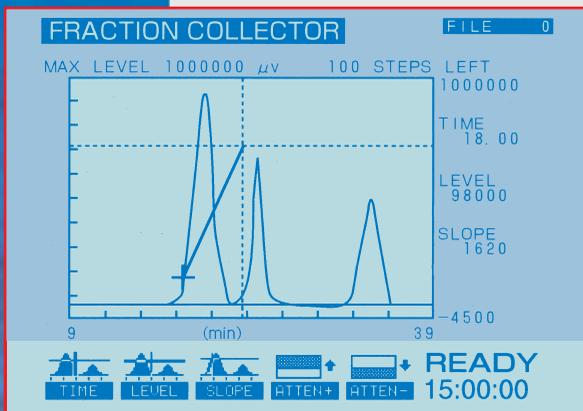


### Small and large volume collection capacity

The FRC-10A collects both analytical and preparative fractions. The standard configuration has a 144 5mL vial capacity. The large volume kit can be added for large volume collection.

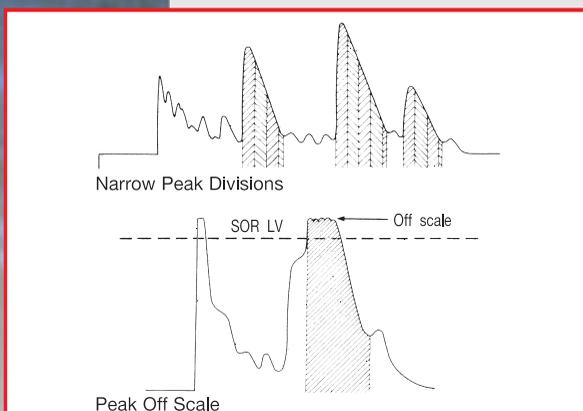
### Precise Peltier temperature control

For automated collection of thermally-labile fractions, Peltier temperature control keeps temperatures stable within a 4-70°C range.



### Simplified graphical parameter entry

Set up fractionation parameters graphically from the SCL-10A<sup>VP</sup> System Controller. Eliminate the guesswork of determining slope and level values.



### Fraction collection flexibility

Tailor the collection to your application requirements. Choose from collection criteria such as volume, threshold, and peak purity. A precise peak division feature ensures high purity fractions. The FRC-10A automatically adjusts for retention time shifts, so that only the peak of interest is collected. Our slope-override capability enables continued collection, even when the detector signal is off-scale.



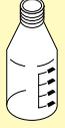
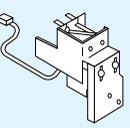
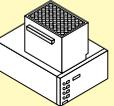
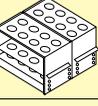
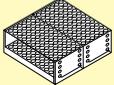
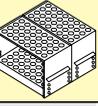
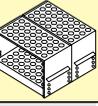
# The VP Series Means Validation and Productivity

## Specifications: FRC-10A (Cat. No. 228-35800-xx)

Drive System	Arm movement (X-Y) system	
No. of collection vessels	16 ~ 144, depending on rack type (variable through parameter setting)	
Collection method	Solenoid valve (incl.) or direct through nozzle (W/out solenoid valve)	
Maximum flow rate	150mL/min (water)	
Collection operation	Programmed operation via SCL-10AVP System Controller, or manually	
Fraction modes	Basic mode (using initial parameters), and Time Program mode (14 different functions available)	
No. of collection files	Up to 10 in memory (Total No. of program steps: 100)	
Output of setting parameters, results	Printout via Chromatopac	
Cooling of fractions	Possible with Sample Cooler L (Optional)	
Collection based on 2-channel generated ratio chromatogram	SPD-10AVP/10AVVP dual-wavelength signal, or signals from 2 detectors	
Linking with external devices	With SCL-10AVP System Controller, any of LC-10AVP components may be linked.	
Detector signal input	0 ~ 1V	
Dimensions, weight	260W x 420D x 280Hmm, 15kg	
Ambient temperature range	4 ~ 35	
Power requirements	-91 100V, 100VA, 50/60Hz -92 120V, 100VA, 50/60Hz	-93 220V, 100VA, 50/60Hz -38 220 ~ 240V, 100VA, 50/60Hz

Current loop interface (Cat. No. 228-21204-91) is necessary.

## Options for Fraction Collector FRC-10A

	Collector heads	Racks	Collection containers	Collector heads	Racks	Collection containers
Large fractions	 Fraction collector head with valve (Cat. No. 228-24105-91)	Large volume kit (includes shown items) (64 fractions) (Cat. No. 228-25324-91) Rack No. 2B Chassis Collection tube (5 pcs.) Mounting frame tray	Commercial reagent bottles may be used (500 ~ 1000mL) 	 Fraction collector head with valve (Cat. No. 228-24105-91)	Sample cooler L (50 fractions) (Cat. No. 228-35730-93) 	Vial (glass) 4mL (Cat. No. 228-21287-91) x 100 pcs. Vial (PP) 5mL (Cat. No. 228-25322-91) x 100 pcs.
		Rack No. 3 (16 fractions) (Cat. No. 228-25313-91) 	Vial (glass) 50mL (Cat. No. 228-25318-91) x 20 pcs. Vial (polypropylene, PP) 50mL (Cat. No. 228-25321-91) x 20 pcs.		 Fraction collector head (Cat. No. 228-25169-91)	Rack No. 1 (144 fractions) (Cat. No. 228-25310-91) 
Normal fractions	 Fraction collector head with valve (Cat. No. 228-24105-91)	Rack No. 2A (64 fractions) (Cat. No. 228-25311-91) 	Test Tube (glass) 20mL (Cat. No. 228-25316-91) x 100 pcs. Test Tube (glass) 32mL (Cat. No. 228-25317-91) x 100 pcs. Test Tube (PP) 25mL (Cat. No. 228-25320-91) x 100 pcs.	 Fraction collector head with valve (Cat. No. 228-24105-91)	Rack No. 5 (120 fractions) (Cat. No. 228-25314-91) 	Test Tube (glass) 3.5mL (Cat. No. 228-25315-91) x 250 pcs. Test Tube (PP) 4.5mL (Cat. No. 228-25319-91) x 250 pcs.
		Rack No. 2A (64 fractions) (Cat. No. 228-25311-91) 	Test Tube (glass) 20mL (Cat. No. 228-25316-91) x 100 pcs. Test Tube (glass) 32mL (Cat. No. 228-25317-91) x 100 pcs. Test Tube (PP) 25mL (Cat. No. 228-25320-91) x 100 pcs.		Vials and test tubes are optional parts. Please select suitable vials and tubes for each racks. ■ For normal fraction collecting, please use the fraction head with valve. ■ The fraction head is for very small fraction collecting.	



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