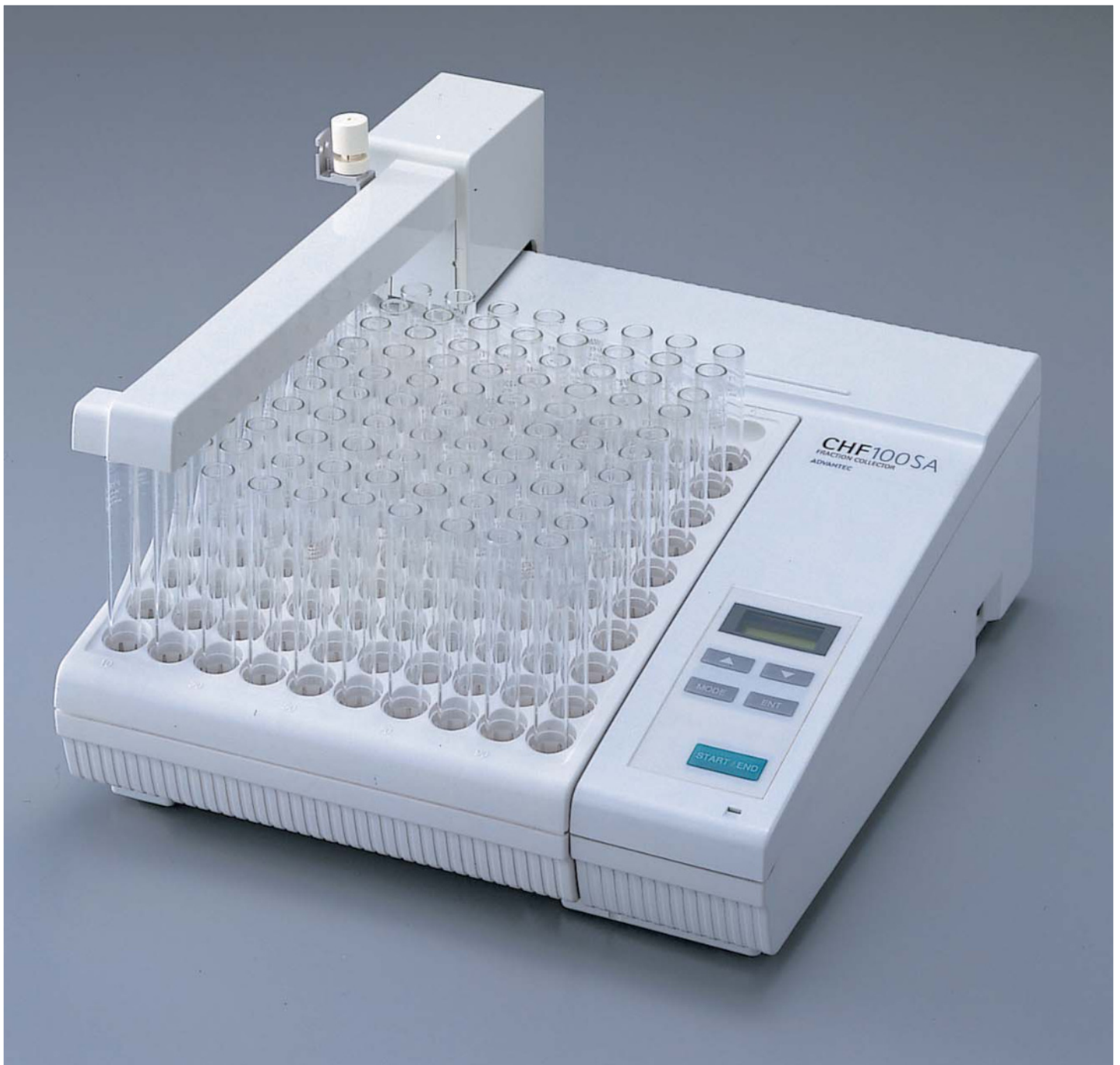


**ADVANTEC**  
**MFS, Inc.**

# FRACTION COLLECTOR

## CHF100SA



# CHF100SA, Compact Fraction Collector

## FEATURES

### User friendly operation

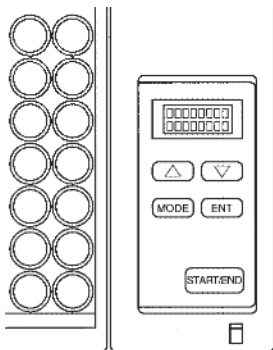
An improved Fraction Collector with many superior features.

The easy to use operation keypad has only 5 keys and a LCD (8 characters x 2 rows).

Supported by software that makes programming easy and simple.

The CHF100SA has sufficient programming modes for operating with your HPLC system.

Even complicated fraction modes such as Multi-Sample Timed Windows combined with Peak collection mode can be programmed using only 4 keys.



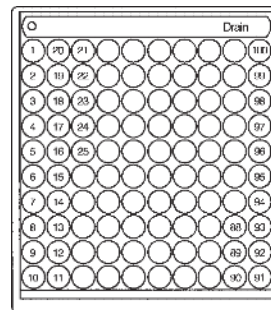
### Flexible test tube rack with built-in drain

Since both the sample collection area (test tubes) and the drain are built into one test tube rack, sample liquid will never spill outside of the rack.

Discard sample can be stored inside of the rack (Drain reservoir) or connected to a drain tube for drainage to the external drain vessel.

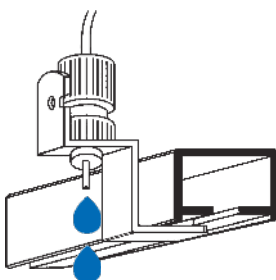
The self adjusting tapered test tube rack can accommodate several sizes of test tube from  $\phi$  12mm to  $\phi$  15mm (120mm height Max.). You will never need multiple racks.

This sloped test tube rack facilitates easier checking of the test tube alignment.



### Exposed fraction nozzle tip

By utilizing a new drop detection sensor, the fraction nozzle tip is exposed allowing easier maintenance and confirmation of relative positions of nozzle and extraction tubes.



### Easier removal of rack and tubes

With press and hold of the [ENT] key, the fraction arm moves (escapes) to the far right position for easier removal of racks and tubes.

## SPECIFICATIONS

### Fraction

Test Tube	100 tubes ( $\phi$ 12-15 mm, 90-120 mmH)
Mode	Simple, Window, Manual
Nozzle shift time	Typically 0.1 sec (center to center)
Wait time setting	99 min 59 sec Max.

### Mode, Parameter

<b>Simple mode</b>	Time	99 min 59 sec/tube Max.
	Drop	999 drop/tube Max.
	Signal	999 count/tube Max.
	Volume	99.9 mL/tube Max.

<b>Window mode</b>	Fraction windows	8 windows Max.
	Window (End)	99 min 59 sec Max.
	Fraction capacity	99 min 59 sec Max.
	<b>Peak parameter</b>	
Peak level	100 % Max.	
Peak Slope	10.00 mV/min Max	
Nozzle delay time	9 min 59 sec Max.	

<b>Manual mode</b>	Nozzle delay time	9 min 59 sec Max.
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### I/O Signals

Event Marker output	Marker ON/OFF (one fraction)
Chromatograph signal input	DC 10.0 mV (full scale)
Ext. Start input	ON start
Ext. Count (signal) input	ON count

### Electrical & General Specifications

Clock	Crystal oscillator
Display	LCD (8 characters x 2 rows)
Operation parameter memory	EEPROM
Operating temperature	2-40°C (36-104°F)
Power supply	AC 100~240V, 50/60Hz
Input current	0.27A (100V), 0.25A (115V) and 0.15A (240V)
Dimensions [WxDxH]	268 x 310 x 170 mm (10.6 x 12.2 x 6.7")
Weight	Approx. 2.9 Kg (6.4 lbs)

Optional Accessories	3-Way Valve [CH000010]
	Eppendorf tube Rack [CH000320]
	Microtiter plate Rack [CH000330]
	Extension Nozzle for CH000330 [CH000045]
	Dust Cover [CH000030]



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