

CombiFlash® Rf+

The CombiFlash® Rf+ improves your productivity whether you purify synthetic compounds, natural products, peptides or polymers. With operating pressures up to 200 psi (13.8 bar) the CombiFlash® Rf+ is compatible with both normal and reversed phase purification conditions.

Built-in networking allows you to connect to the CombiFlash® Rf+ to monitor and remotely control your experiment, analyze data, and print to network printers.

View UV spectra in real time - during peak elution. Review the spectra to confirm that the system is monitoring the correct wavelength. Interactive screen lets you change parameters instantly during the run if another wavelength would be more appropriate.

Four solvent flexibility - run binary gradients from any two of four solvents, then add a third solvent as a modifier.

Automatically determine optimal separation parameters while minimizing run time with the TLC to Gradient calculator.

Easy scale-up with built-in method-scaling means you won't need to re-develop your method. Scale up to a 330 gram purification from a single 4 gram run.

Rapid column air purge prevents solvent from being discarded with the used column. It is better for the environment, safer in the lab, and eliminates messy column removal.

As with all other CombiFlash models, Teledyne Isco's intuitive PeakTrak® software lets you access all the commands you need from a single touchscreen.



Standard Features

- ▲ One push of a button to start purification
- ▲ UV spectra display in real-time and post run
- ▲ Compact design saves space
- ▲ RFID (Radio Frequency Identification) technology automates setting the parameters for purification runs and fraction collection
- ▲ Built-in active solvent and waste management prevents columns from drying and overfills

Optional MS-Ready Configuration

Should your future lab needs require Mass Spectrometry verification of purified compounds, the MS-ready CombiFlash® Rf+ supports an add-on Purlon module, allowing for mass directed fractionation.

Table 1: Specifications

Flow Rate Range	1 - 200 mL/min
Pressure Limit	200 psi (13.8 bar)
UV and UV- Vis Detection	Variable UV 200 - 400 nm standard. Variable UV-Vis 200 - 800 nm option
Number of Solvents	Binary gradient with any two of four solvents; a third solvent can be used to add modifier at a fixed percentage.
Programmable Gradients	Linear, step, isocratic
Sample Injection	Auto-inject with 6-position automated motorized sample loading valve; self-cleans at end of run; solid or liquid injection
User Interface	10.4" touchscreen
Software	PeakTrak
Fraction Collector	Internal
Dimensions (H x W x D)	24 x 14.1 x 17 in (61 x 36 x 43 cm)

Table 2: Ordering Information

68-5230-021	CombiFlash Rf+ system, 200-400 nm UV detection range
68-5230-022	CombiFlash Rf+ system, 200-800 nm UV-Vis detection range
68-5230-031	CombiFlash Rf+ system, 200-400 nm UV detection range, MS-ready
68-5230-032	CombiFlash Rf+ system, 200-800 nm UV-Vis detection range, MS-ready
60-5237-013	CombiFlash Rf racks, 13 x 100 mm, qty 2 (108 tubes/rack)
60-5237-061	CombiFlash Rf racks, 16 x 100 mm, qty 2 (75 tubes/rack)
60-5237-031	CombiFlash Rf racks, 16 x 125 mm, qty 2 (75 tubes/rack)
60-5237-032	CombiFlash Rf racks, 16 x 150/160 mm, qty 2 (75 tubes/rack)
60-5237-033	CombiFlash Rf racks, 18 x 150 mm, qty 2 (70 tubes/rack)
60-5237-034	CombiFlash Rf racks, 18 x 180 mm, qty 2 (70 tubes/rack)
60-5237-035	CombiFlash Rf racks, 25 x 150 mm, qty 2 (30 tubes/rack)
60-5237-040	CombiFlash Rf rack, 480 mL French square bottle, qty 1 rack for 12 bottles
60-5394-469	CombiFlash Rf racks, 28 x 61 mm (20 mL scintillation vials), qty. 2. (27 vials per rack)
60-5394-468	CombiFlash Rf racks, 28 x 95 mm (40 mL scintillation vials), qty. 2. (27 vials per rack)
60-5237-047	Solid Load Cartridge Cap (SLCC), fits 2.5 and 5 gram-size sample load cartridges
60-5237-048	Solid Load Cartridge Cap (SLCC), fits 12 and 25 gram-size sample load cartridges
60-5237-044	Solid Load Cartridge Cap (SLCC), fits 32 and 65 gram-size sample load cartridges

CombiFlash®

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**Certified
ISO 9001**