

Four-channel, walk-away automation



Set up your samples and walk away.

Multitask like never before with the CombiFlash Rf 4x system, a four-sample automated version of the innovative CombiFlash Rf personal purification system. Its built-in control system acts as an Internet server, generating a web page that can be viewed using a touch screen, desktop or laptop computer running Microsoft® Internet Explorer®. You and your colleagues can monitor progress and schedule your time more productively.

Different columns for different samples

The CombiFlash Rf 4x system uses precision-packed RediSep® Rf columns from 4 grams to 330 grams, which are quickly interchangeable with no additional hardware—saving you time and money. You can also use multiple column sizes and various stationary phases in one batch. Enjoy fast, easy scale-up from milligrams to tens of grams of purified sample.

The CombiFlash Rf 4x Benefits:

- Up to 200 psi operating pressure—ideal for reversed phase Flash chromatography.
- Delivers four times the productivity in less than nine inches of linear bench space.
- RFID column sensing automatically programs optimal parameters for each sample channel; channels can also run with customized parameters.
- Increase work efficiency with multiple columns—load and program new runs without interrupting the purification in progress.
- Multi-sample automation lets you share resources with other chemists, without waiting in line.
- An optional post-run air purge can clear solvent from all columns before disposal.
- Automatic, self-cleaning valve allows unattended operation and minimizes cross-contamination.
- The system can deliver waste fluids from each channel to independent containers and can monitor the fluid level in each to prevent over-filling.

SEPARATION SCIENCE

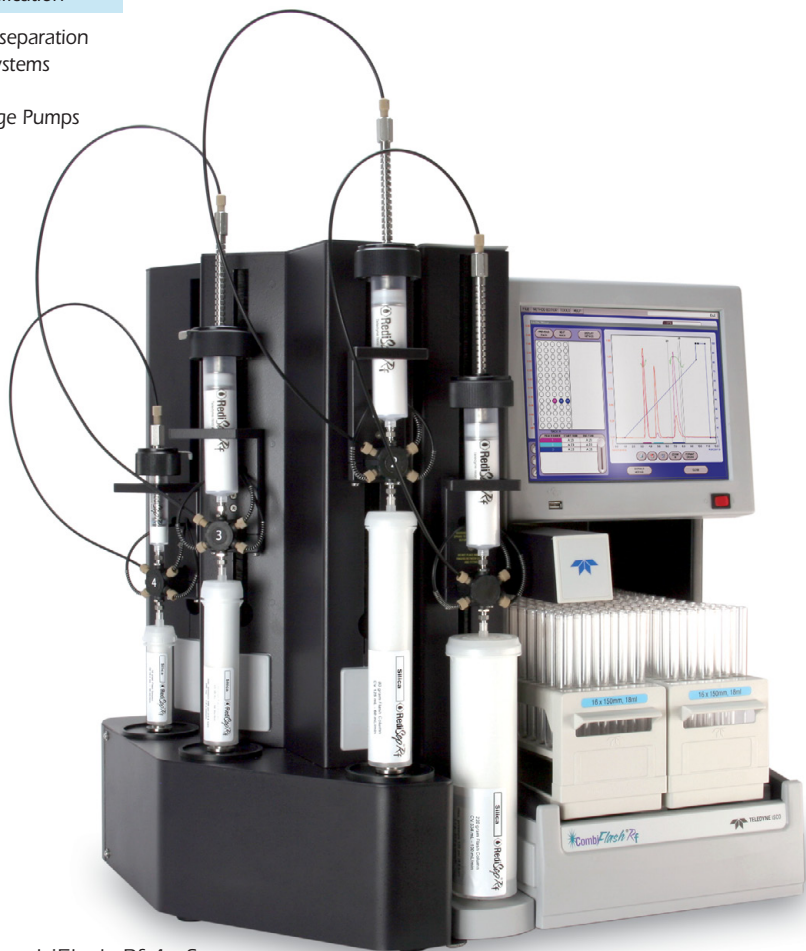
Low pressure LC instruments

Medium pressure LC instruments

Automated Organic Purification

LC Bioseparation Systems

Syringe Pumps



CombiFlash Rf 4x System



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Contact your Isco representative or dealer for more details and product demonstrations.
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Specifications (Subject to change)

- Channels: 4
- Pumping system: Two positive displacement pumps (located in *CombiFlash* Rf)
- Gradients: Four solvent, binary; accuracy < 1% full scale
- Gradient formation options: Linear, step, isocratic gradients. Change profiles any time during run.
- Flow rate: 5–200 mL/min
- Maximum pressure: 200 psi (13.8 bar)
- RediSep Rf column sizes: 4 g to 330 g
- Detection: UV variable, 200–360 nm. User-selectable wavelength for threshold and/or peak detection; user-selectable monitor wavelength for compound purity.
- Fraction collection: 108 tube capacity, unlimited rack changes
- Optional tube sizes: Racks available for 12/13, 16, 18, and 25 mm tubes, 480 ml bottles, and other containers
- Sample injection: automated, self-cleaning 6-position valves for solid and liquid injections
- Waste outlets: Waste fluids isolated by channel, with level sensing.
- Power options: 100/117 VAC, 50/60 Hz; 234 VAC, 50/60 Hz
- CombiFlash Rf 4x dimensions: 22.6 x 24 x 17 inches (W x D x H)
57.4 x 61 x 43.2 cm
- CombiFlash Rf 4x weight: 90 lbs
40.8 kg
- 4x module dimensions: 8.5 x 24 x 17 inches (W x D x H)
21.6 x 61 x 43.2 cm
- 4x module weight: 30 lbs
13.6 kg

4x productivity in only 8.5 more inches of linear bench space.



Ordering Information

CombiFlash Rf 4x Module 68-5237-046
Includes accessory package required for connection to a CombiFlash Rf system.

