

CombiFlash[®] NextGen 100 Flash Chromatography System

The CombiFlash NextGen Flash Chromatography System offers the most options in regards to system configurations. Now there are three different models to choose from based on your budgetary and application needs.

Setting the Bar in Flash Chromatography Performance

The **CombiFlash NextGen 100** offers flow rates up to 100 mL/min and operating pressures up to 150 psi (10 bar). This is an economical, basic system designed to perform both normal and reverse phase purifications. The system accepts a variety of collection racks sizes so that purified compounds can be collected in volumes appropriate for the column size being used.

Save time and solvent while increasing column loading.

The Focus Gradient Generator for flash delivers optimized, predictive preparative method development using the results of a scouting run more quickly and efficiently than TLC. The Focus Gradient Generator in the CombiFlash NextGen system makes calculations fast and easy, eliminating the need to run multiple TLCs with different mobile phase concentrations. When combined with a Purlon[™] mass spectrometer, you actually know which peak represents your compound of interest to optimize the method around — no guessing which spot is the target material.



CombiFlash[®] NEXTGEN 100

- **Straightforward**
Complete control on one screen
- **Compact**
Designed to take up minimal lab space
- **Flexible**
Configure to meet your specific needs
- **Faster**
New default methods with higher flows and steeper gradients speed up the purification without sacrificing performance
- **Greener**
Conserve solvent with optimized gradients

Standard System Features

- **Flow rates** from 1 to 100 mL/min
- **Operating pressure** up to 150 psi (10 bar)
- **Choice of UV, UV-Vis ELSD or MS options**

Can be fitted with an ELSD at the time of system purchase.

NextGen is compatible with Purlon Mass Spectrometer or ELS Detection.

Specifications: NextGen 100

Flow Rate Range:	1–100 mL/min
Sample Loading Technique:	Liquid, and manual Solid Sample loading
Maximum Pressure:	-Up to 150 psi (10 bar) -Lower pressure limits user defined
UV and UV-Vis Detection:	Variable UV 200–400 nm or Variable UV-Vis 200–800 nm (PDA Technology)
Real Time UV Spectral Display:	Standard
ELSD Detection:	Integrated option that can be combined with either UV or UV-Vis
Number of Solvents:	Binary gradient, 2 solvents

Gradient Formation:	Low pressure
Programmable Gradients:	Linear, step, isocratic
User Interface:	12" capacitive touch screen
Fraction Collector:	Internal
Real Time Method Editing:	Standard
Internal Vapor Sensor:	Standard
Vapor Enclosure for Collection Racks:	Optional
Certification:	TUV
Dimensions (H x W x D):	26 x 14.1 x 17 in (66 x 36 x 43 cm)
Weight with ELSD:	74 lb (33.6 kg)
Weight without ELSD:	61 lb (27.7 kg)

CombiFlash NextGen 100

68-5250-010 CombiFlash NextGen System with 200–400 nm UV variable wavelength detector.

68-5250-011 CombiFlash NextGen System with 200–800 nm UV-Vis variable wavelength detector.

CombiFlash NextGen 100 Factory Options

60-5257-002 Factory Installed ELSD for CombiFlash NextGen.

CombiFlash NextGen 100 Field Options

60-5257-008 Sample rack vapor enclosure for operation outside the hood.

CombiFlash Sample Injection Options

60-5237-047 Adjustable Solid Load Cartridge Cap (SLCC), fits 2.5 and 5 gram-size sample load cartridges. Includes one loading rod.

60-5237-048 Adjustable Solid Load Cartridge Cap (SLCC), fits 12 and 25 gram-size sample load cartridges. Includes one loading rod.

60-5237-044 Adjustable Solid Load Cartridge Cap (SLCC), fits 32 and 65 gram-size sample load cartridges. Includes one loading rod.

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