

# CombiFlash<sup>®</sup> 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 a New 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.



## CombiFlash<sup>®</sup> 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

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

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