

# CombiFlash<sup>®</sup> NextGen 300 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 300** is configurable to your needs. Like the 300+, safety features including active vapor, solvent-level and waste-level sensing are standard. The system is designed for liquid injections, operating at up to 300 psi (20 bar). Automated Solid Sample Load Injection Valve option can be added, which also enables baseline correction. You determine what your needs are; don't invest in unused or unwanted features.

### 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<sup>™</sup> 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.

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

*NextGen 300 is compatible with Purlon Mass Spectrometer or ELS Detection. Upgrade at the time of purchase or in the field.*

## CombiFlash<sup>®</sup> NEXTGEN 300

- **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 300 mL/min
- **Operating pressure** up to 300 psi (20 bar)
- **Choice of UV, ELSD or MS options**
- **Customizable** to meet your application needs

## Specifications: NextGen 300

Flow Rate Range:	1–300 mL/min
Sample Loading Technique:	Liquid and Manual Solid (standard) Automated Solid (option at time of purchase)
Maximum Pressure:	-Up to 300 psi (20 bar) -Lower pressure limits user defined
UV Detection:	Variable UV 200–400 nm
Real Time UV Spectral Display:	Standard
Absorbing Solvent Baseline Subtract:	Optional (with Automated Solid Sample Loading Option)
ELSD Detection:	Integrated option that can be combined with UV
Number of Solvents:	Binary gradient, 4 solvents
Modifier 3rd Solvent:	Standard
Gradient Formation:	Low pressure
Programmable Gradients:	Linear, step, isocratic
User Interface:	12" capacitive touch screen

Fraction Collector:	Internal
Real Time Method Editing:	Standard
Air Purge:	Standard
Active Solvent and Waste Level Monitoring:	Standard
Internal Vapor Sensor:	Standard
Vapor Enclosure for Collection Racks:	Optional
Lighted Rack Area:	Standard
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 300

68-5250-009 CombiFlash NextGen 300 System with 200–400 nm UV variable wavelength detector, 12" screen.

### CombiFlash NextGen 300 Factory Options

60-5257-001 ELSD for CombiFlash NextGen 300 and 300+. (Additional installation cost for field installations).

60-5257-003 Factory installed Solid Load Injection Valve for NextGen 300 only; Allows Automated Solid Sample Loading and Baseline Correction features.

### CombiFlash NextGen 300 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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