

CombiFlash[®] 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 a New Bar in Flash Chromatography Performance

The **CombiFlash NextGen 300** is configurable to your needs. Like the 300+, active solvent and waste level sensing is standard. The system is designed for liquid injections, operating at up to 150 psi (10 bar). If needed, add the solid load injection valve (increases the operating pressure limit to 300 psi (20 bar)) and increase the system's versatility. Similarly, RFID rack and column read can be added if desired. You determine what your needs are; don't invest in unused or unwanted features.

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[®] 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, UV-Vis 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 Solid (standard) (option at time of purchase)
Maximum Pressure:	-Up to 150 psi (10 bar) Liquid Load -Up to 300 psi (20 bar) with Solid Load option -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
Absorbing Solvent Baseline Substrate:	Standard
ELSD Detection:	Integrated option that can be combined with either UV or UV-Vis
Number of Solvents:	Binary gradient, 4 solvents
Modifier 3rd Solvent:	Standard

Gradient Formation:	Low pressure
Programmable Gradients:	Linear, step, isocratic
User Interface:	12 or 15" capacitive touch screen
Fraction Collector:	Internal
Rack Size RFID Read:	Option at time of purchase
Real Time Method Editing:	Standard
Active Solvent and Waste Level Monitoring:	Standard
Internal Vapor Sensor:	Option at time of purchase
Vapor Enclosure for Collection Racks:	Optional
Audible Alarm:	Standard
Lighted Rack Area:	Standard
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

68-5250-005	CombiFlash NextGen 300 System with 200–400 nm UV variable wavelength detector, 12" screen.
68-5250-006	CombiFlash NextGen 300 System with 200–800 nm UV-Vis variable wavelength detector, 12" screen.
68-5250-007	CombiFlash NextGen 300 System with 200–400 nm UV variable wavelength detector, 15" screen.
68-5250-008	CombiFlash NextGen 300 System with 200–800 nm UV-Vis variable wavelength detector, 15" screen.

CombiFlash NextGen 300 Factory Options

60-5257-001	Factory installed ELSD for CombiFlash NextGen 300 & 300+ (only available when ordered with initial system purchase.)
60-5257-005	Factory installed Vapor Sensor for all CombiFlash NextGen models.
60-5257-003	Factory installed Solid Load Injection Valve for NextGen 300 only; increases pressure up to 300 psi.
60-5257-004	Factory installed Active Level Sensor and RFID read for columns & collection racks for NextGen 300.

CombiFlash NextGen 300 Field Options

60-5257-008	Sample Rack Vapor Enclosure for operation outside the hood.
60-5257-007	ELSD Field Upgrade Kit for CombiFlash NextGen 300 and 300+ systems.

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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