

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. 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 and solvent and waste level sense can be added if desired. You determine what your needs are and don't pay for unused or unwanted features.



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

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.

SPECIFICATIONS

CombiFlash Model	NextGen 300
Flow Rate Range	1–300 mL/min
Sample Loading Technique	Liquid (standard) Solid (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 and Variable UV-Vis 200–800 nm (PDA Technology)
Real Time UV Spectral Display	Standard
Absorbing Solvent Baseline Substract	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	Option
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

685250005	CombiFlash NextGen 300 System with 200–400 nm UV variable wavelength detector, 12" screen.
685250006	CombiFlash NextGen 300 System with 200–800 nm UV-Vis variable wavelength detector, 12" screen.
685250007	CombiFlash NextGen 300 System with 200–400 nm UV variable wavelength detector, 15" screen.
685250008	CombiFlash NextGen 300 System with 200–800 nm UV-Vis variable wavelength detector, 15" screen.

CombiFlash NextGen 300 Factory Options

605257001	Factory installed ELSD for CombiFlash NextGen 300 & 300+ (only available when ordered with initial system purchase.)
605257005	Factory installed Vapor Sensor for all CombiFlash NextGen models.
605257003	Factory installed Solid Load Injection Valve for NextGen 300 only; increases pressure up to 300 psi.
605257004	Factory installed Active Level Sensor and RFID read for columns & collection racks for NextGen 300.

CombiFlash NextGen 300 Field Options

605257008	Sample Rack Vapor Enclosure for operation outside the hood.
605257007	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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