

# 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 a New Bar in Flash Chromatography Performance

The **CombiFlash NextGen 300+** features all available performance and safety options. Flow rate range is from 1 to 300 mL/min at operating pressures up to 300 psi (20 bar). The system is fitted with a solid load injection valve that can be bypassed if you decide to perform a liquid injection. RFID technology comes standard and automatically reads the size and type of RediSep or RediSep Gold<sup>®</sup> column being used for the purification. Based on this information, a default gradient and flow rate are programmed into the system. Simply insert the column into the stand, press Play and the run starts. This same RFID technology automatically reads the rack type being used ensuring there is never a missed or overfilled tube. Active solvent and waste level monitoring is standard on the NextGen 300+. Ensures that the column never dries out during the purification run and no messy solvent spills.

*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, UV-Vis ELSD or MS options**

## SPECIFICATIONS

<b>CombiFlash Model</b>	<b>NextGen 300+</b>	<b>Programmable Gradients</b>	Linear, step, isocratic
<b>Flow Rate Range</b>	1–300 mL/min	<b>User Interface</b>	12 or 15" capacitive touch screen
<b>Sample Loading Technique</b>	Liquid and Solid (standard)	<b>Fraction Collector</b>	Internal
<b>Maximum Pressure</b>	-Up to 300 psi (20 bar) -User defined pressure limits	<b>Rack Size RFID Read</b>	Standard
<b>UV and UV-Vis Detection</b>	Variable UV 200–400 nm or Variable UV-Vis 200–800 nm (PDA Technology)	<b>Real Time Method Editing</b>	Standard
<b>Real Time UV Spectral Display</b>	Standard	<b>Active Solvent and Waste Level Monitoring</b>	Standard
<b>Absorbing Solvent Baseline Substrat</b>	Standard	<b>Internal Vapor Sensor</b>	Option at time of purchase
<b>ELSD Detection</b>	Integrated option with UV or UV-Vis	<b>Vapor Enclosure for Collection Racks</b>	Optional
<b>Number of Solvents</b>	Binary gradient, 4 solvents	<b>Audible Alarm</b>	Standard
<b>Modifier 3rd Solvent</b>	Standard	<b>Lighted Rack Area</b>	Standard
<b>Gradient Formation</b>	Low pressure	<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 300+

685250001	CombiFlash NextGen 300+ System with 200–400 nm UV variable wavelength detector, 12" screen.
685250002	CombiFlash NextGen 300+ System with 200–800 nm UV-Vis variable wavelength detector, 12" screen.
685250003	CombiFlash NextGen 300+ System with 200–400 nm UV variable wavelength detector, 15" screen.
685250004	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.

### CombiFlash NextGen 300+ Field Options

605257008	Sample rack vapor enclosure for operation outside the hood.
605257007	ELSD Field Upgrade Kit for CombiFlash NextGen 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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*Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.*

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