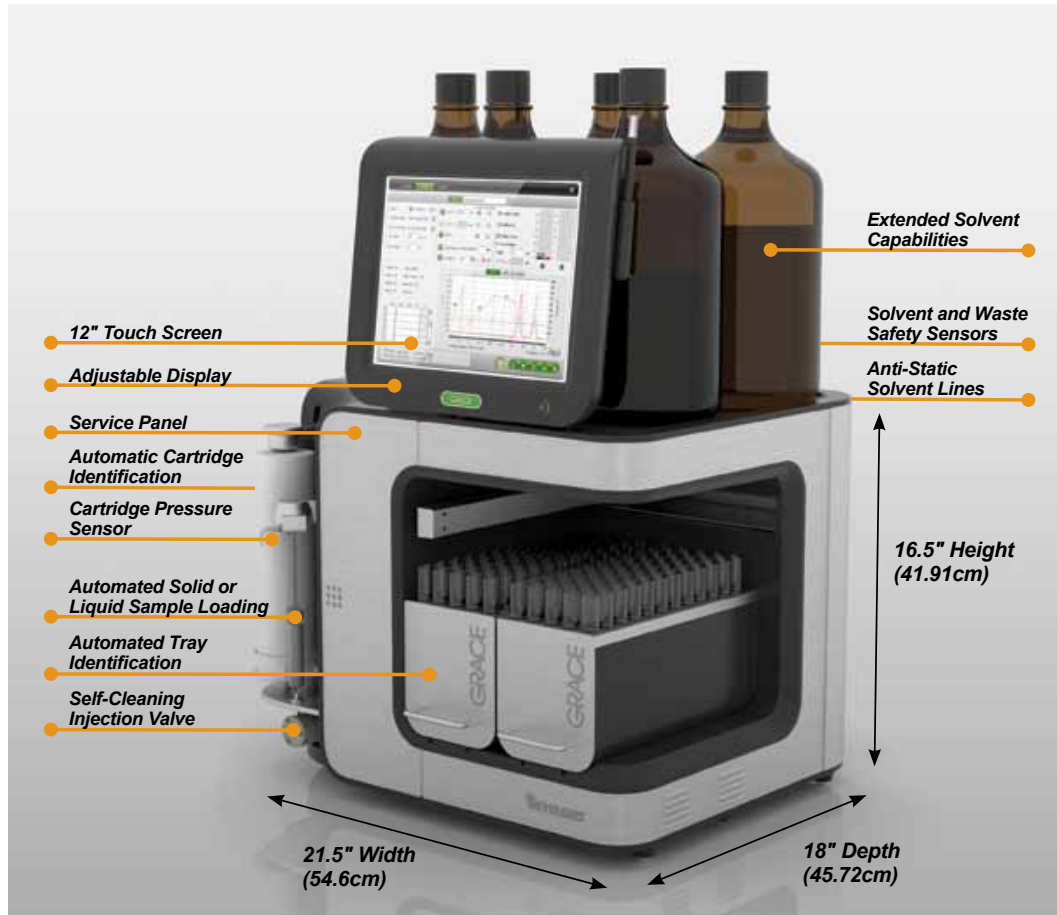


# One Platform, Two Systems

Reveleris® Standard and Reveleris® iES Flash Chromatography System



\*Multiple Patents Pending

## Which System Should I Choose?

The proprietary RevealX™ detection technology of the Reveleris® flash chromatography system integrates multiple detector signals with advanced signal processing to recognize eluting compounds that previously were undetected by UV alone. The split fluidics design and multiple channel detection by UV and ELSD (Evaporative Light Scattering Detection) trigger sophisticated fraction collection, yielding more targeted samples and leading to fewer impurities in less time.

The Reveleris® flash chromatography standard system is designed to be rugged and sensitive to traditional flash chromatography loads, typically in the 100's mg to 100's

gms range. This system helps the scientist to meet or exceed purification productivity demands.

The Reveleris® iES flash chromatography system is designed to detect and collect smaller amounts of compounds, typically low mg to multi-gram quantities of crude mixtures. For scientists whose applications demand a higher sensitivity, such as natural product isolation, impurity isolation, supplements/nutraceuticals, radiochemical, and high throughput syntheses, the Reveleris® iES flash chromatography system is the best choice. This system still offers the same increase in purification productivity demands.



## Reveleris® Flash Chromatography System Specifications

|  |   |
|--|---|
| <b>Display:</b>  | 12" Windows® based graphical LCD touch screen with full onscreen QWERTY keyboard  |
| <b>Data Entry:</b>   | Touchscreen or USB connection to mouse/keyboard   |
| <b>Software:</b>   | RevealX™ detection technology with advanced signal processing to recognize peaks and collect previously undetected compounds  |
| <b>Solvent Delivery System:</b>                                      | Rapid refill dual piston HPLC technology. High pressure pumps for smooth and accurate flow without mid run delays<br>4 Independent channels with up to 4 solvents in a single run |
| <b>ELSD Gas Supply</b>   | No external gas/air supply is required for ELSD operation or cartridge air-purging  |
| <b>Flow Rate:</b>  | 1–200mL/min +/- 3%  |
| <b>Maximum Pressure:</b>   | 200psig @ 1–200mL/min.  |
| <b>Gradients:</b>  | Linear, step, isocratic. Four solvent binary. Onscreen midrun gradient adjustment.  |
| <b>Sample Injection / Loading:</b>                                   | Liquid or solid sample loading. Manual or automated liquid loading. Solid loading up to 60g   |
| <b>Solid Sample Load Plungers:</b>                                   | Three sizes available<br>3g (15mL), utilizes dry-load tubes up to 3g<br>25g (75mL), utilizes dry-load tubes up to 25g<br>60g (150mL), utilizes dry-load tubes up to 60g           |
| <b>UV Flow Cell:</b>   | 0.1mm Flow Path   |
| <b>UV Wavelength Range:</b>  | Variable dual wavelength and collection from 200–400nm  |
| <b>Accommodates Cartridge Sizes:</b>                                 | 4g–330g (Luer Type) Larger cartridges (up to 1500g) can be used but require a flow-diverter column bypass adapter (PN 8627100)  |
| <b>Triggers:</b>   | UV signals, ELSD signal, slope, and threshold   |
| <b>Automatic Cartridge Identification Fraction Collection Trays:</b> | Holds two automatic cartridge identification tagged trays which can be swapped out indefinitely during a run once filled  |
| <b>Tray Sizes:</b>   | Multi-position racks for 12, 13, 16, 18, 25mm tubes, 480mL bottles  |
| <b>Column Air Purge:</b>   | Built in air purge to remove excess cartridge solvent before disposal   |
| <b>Safety Features:</b>  | Vapor sensors, solvent and waste safety sensors, overpressure sensors, and anti-static tubing on all fluidic lines  |
| <b>Power Options:</b>  | 120/240V, 50/60Hz, 10A  |
| <b>Environmental Operating Temp:</b>                                 | 15–40°C   |
| <b>Relative Humidity:</b>  | 10–90%, Non-Condensing  |
| <b>Maximum Altitude:</b>   | 2,000m  |
| <b>Instrument Dimensions:</b>  | 16.5" H x 21.5" W x 18.0" D (41.91cm H x 54.6cm W x 45.72cm D)  |
| <b>Instrument Weight:</b>  | 75lbs (34.02kg)   |
| <b>Certifications:</b>   | CE, TÜV®, ISO® 9001   |
| <b>Warranty:</b>   | 1 Year parts and labor  |

**NOTE: Orange shaded specifications are unique to Reveleris® flash chromatography system**

### Reveleris® Flash Chromatography System

| Description  | Part No.       |
|--|----------------|
| <b>Reveleris® Flash Chromatography System</b>                          | <b>5148513</b> |
| Included with the system:  |                |
| - (2) 18 x 150mm Fraction Collection Trays (PN 5148885)                |                |
| - (1) 3g Adjustable Solid Sample Load Plunger (PN 5148510)             |                |
| - (1) 3g Filled Solid Loader (PN 5152371)                              |                |
| - (1) Accessory Kit with fittings, tubing, and touch-screen stylus     |                |
| Add on options for Navigator™ Software - Contact sales rep for details |                |
| <b>Reveleris® iES Flash Chromatography System</b>                      | <b>5155775</b> |
| Included with the system:  |                |
| - Navigator™ Software  |                |
| - (2) 18 x 150mm Fraction Collection Trays (PN 5148885)                |                |
| - (1) 3g Adjustable Solid Sample Load Plunger (PN 5148510)             |                |
| - (1) 3g Filled Solid Loader (PN 5152371)                              |                |
| - (1) Accessory Kit with fittings, tubing, and touch-screen stylus     |                |

### Reveleris® SRC Cartridges (up to 200psig)

| Description | Qty | Part No.       |
|-------------|-----|----------------|
| Silica 4g   | 20  | <b>5146130</b> |
| Silica 12g  | 20  | <b>5146131</b> |
| Silica 40g  | 15  | <b>5146132</b> |
| Silica 80g  | 12  | <b>5146133</b> |
| Silica 120g | 10  | <b>5146134</b> |
| Silica 330g | 4   | <b>5146135</b> |

### Reveleris® Bonded Flash Cartridges (up to 200psig)

| Size | Qty  | Amino Part No. | Diol Part No.  | C18 Part No.   |
|------|------|----------------|----------------|----------------|
| 4g   | Each | <b>5157330</b> | <b>5157335</b> | <b>5152990</b> |
| 12g  | Each | <b>5157331</b> | <b>5157336</b> | <b>5152103</b> |
| 40g  | Each | <b>5157332</b> | <b>5157337</b> | <b>5152104</b> |
| 80g  | Each | <b>5157333</b> | <b>5157338</b> | <b>5152105</b> |
| 120g | Each | <b>5157334</b> | <b>5157339</b> | <b>5152991</b> |

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