

REVELERIS™

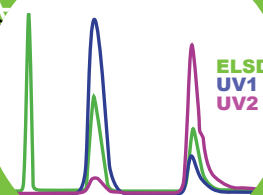
Flash Forward



Reveleris™ SRC Cartridges



Reveal™ Detection Technology



The Reveleris™ System* Saves Time and Eliminates

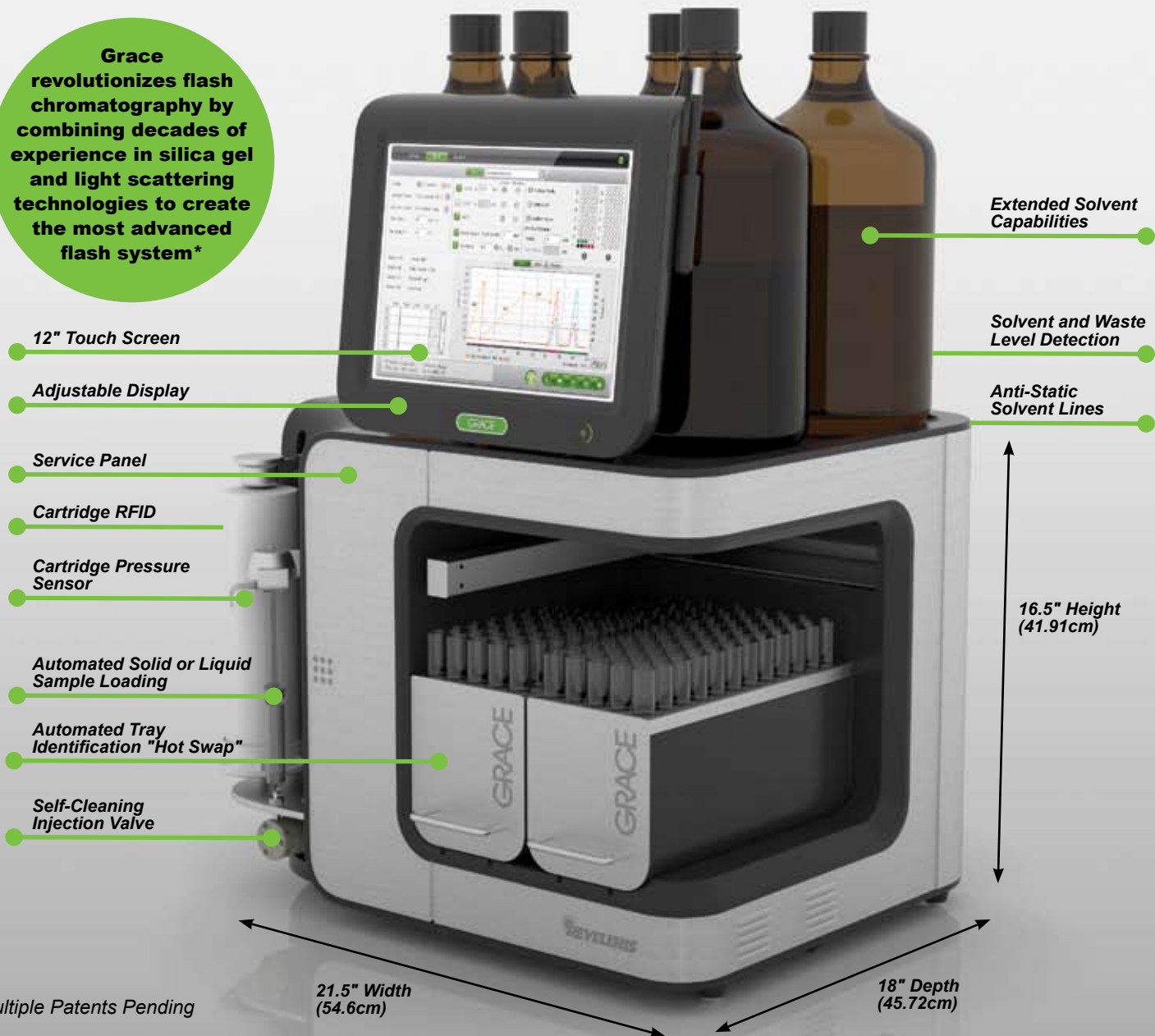
Simple and Intuitive Interfacing guides the user and gives status prompts and alerts together with online diagnostics and network data retrieval. The adjustable single-panel touch screen is simple to navigate and control. Fraction tracking is managed by a real-time color display with peak-to-tube and tray correlation making it easy to choose the right fractions for workup.

Plug-n-Play Interaction incorporates automated solid or liquid sample loading, auto-air purge of spent cartridges, and a self-cleaning injection valve. Radio Frequency Identification (RFID) recognizes Reveleris™ cartridges and auto populates cartridge, flow rate, and run-time parameters for ideal separations. Fraction trays, also equipped with RFID tags and optical sensors, trigger run pausing upon removal giving continuous access to fractions for post-run analysis.

Compact Ergonomic Design features a small footprint that fits easily into a standard fume hood. The 12" tilt screen is fully adjustable to accommodate variable viewing heights and easy access to solvents. Cartridges and service panels are conveniently located in the front of the system.

Enhanced Solvent Flexibility delivers binary gradient functionality with four solvent selection, extended reservoir capacity, and chromophoric solvent capability. Solvent management is simplified by automatic waste level and leak detection. Simultaneously purge solvent lines for rapid solvent switching. Solvent safety features include anti-static solvent lines, cartridge pressure sensing, and auto-flow stop if the collection tray is removed.

Grace revolutionizes flash chromatography by combining decades of experience in silica gel and light scattering technologies to create the most advanced flash system*



12" Touch Screen

Adjustable Display

Service Panel

Cartridge RFID

Cartridge Pressure Sensor

Automated Solid or Liquid Sample Loading

Automated Tray Identification "Hot Swap"

Self-Cleaning Injection Valve

Extended Solvent Capabilities

Solvent and Waste Level Detection

Anti-Static Solvent Lines

16.5" Height (41.91cm)

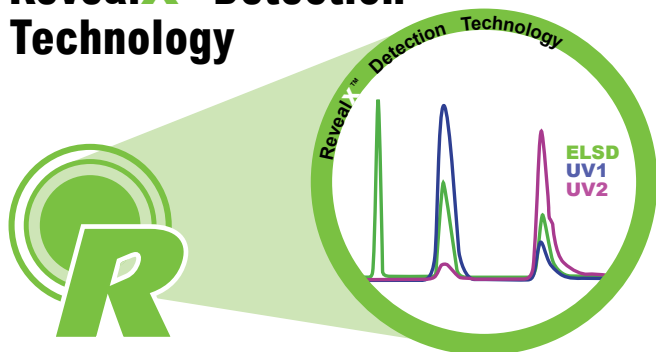
21.5" Width (54.6cm)

18" Depth (45.72cm)

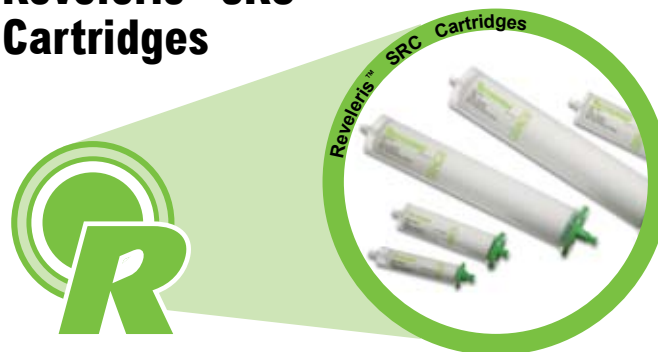
*Multiple Patents Pending

Eliminates the Guesswork in your Purifications!

RevealX™ Detection Technology



Reveleris™ SRC Cartridges



Detect More

Collect smarter, avoid sample loss, save time

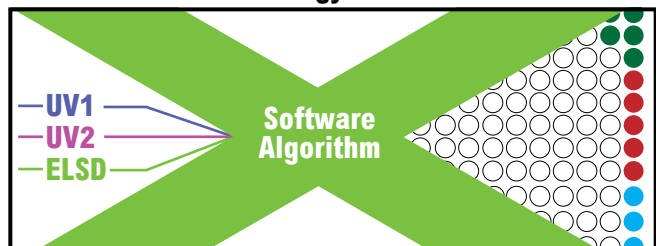
The proprietary **RevealX™** detection technology of the Reveleris™ flash chromatography system integrates multiple detector signals with advanced signal processing to recognize peaks and collect previously undetected compounds. The split fluidics design and multiple channel detection by UV and ELSD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

Recover More

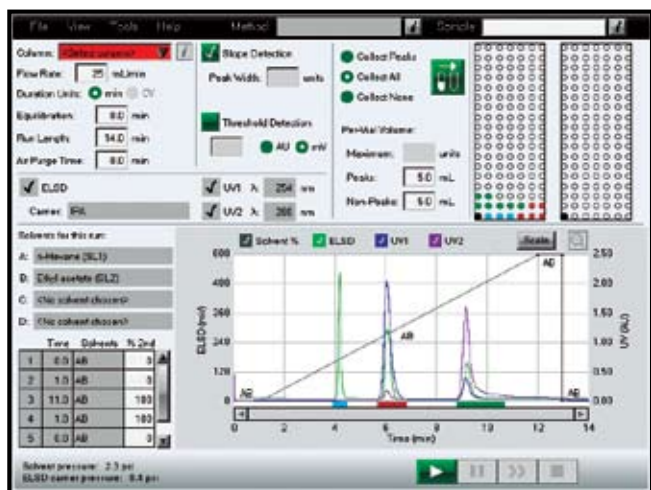
Increase yields, resolve more, reduce runtimes

Reveleris™ SRC cartridges incorporate the advanced benefits of **Speed, Resolution, and higher Capacity**. The cartridges have increased durability to withstand higher pressures (up to 200psi) and deliver greater loading capacity. A smaller particle size increases resolution. Tighter particle size distribution and minimal fines keep backpressure low. The RFID tag streamlines instrument operation by auto loading cartridge specifications. The cartridges are also compatible with other popular flash systems.

How RevealX™ Technology Works

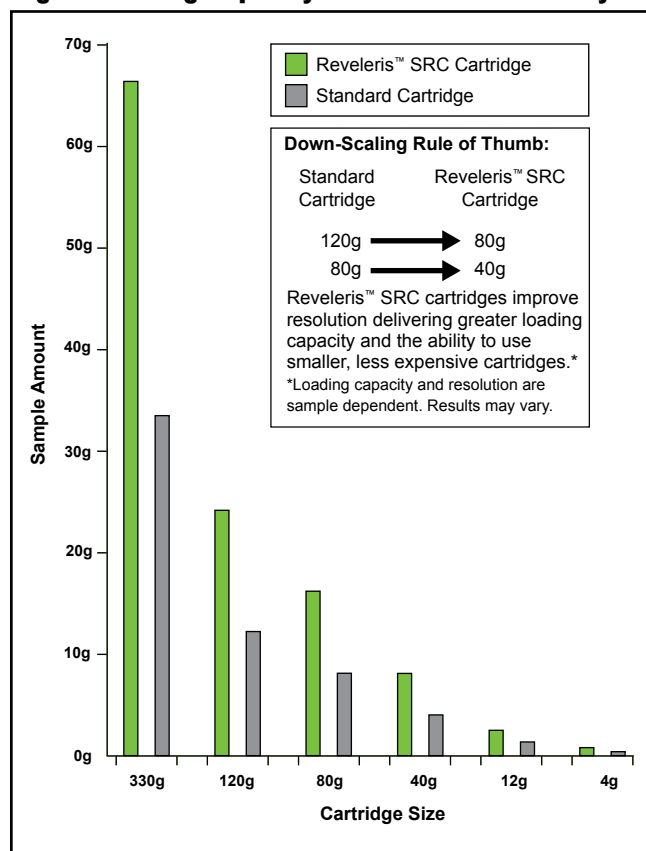


Multiple Detector Signals → Advanced Signal Processing → Advanced Fraction Collection Including Previously Unseen Compounds



User interface clearly shows multiple detection channels and fraction data to peak correlation.
Note: Detection of non-UV active compounds.

Higher Loading Capacity Saves Time and Money



Streamline purifications! Detect It. Collect It. Submit It.



Reveleris™ System Specifications

Display	Windows® based graphical LCD touchscreen with full onscreen QWERTY keyboard
Data Entry	Touchscreen or USB connection to mouse/ keyboard
Solvent Delivery System	High pressure pumps. 4 Independent channels with up to 4 solvents in a single run
Flow Rate	4-200mL/min +/- 3%
Maximum Pressure	200psig
Gradients	Linear, step, isocratic. Four solvent binary. Onscreen midrun gradient adjustment.
Sample Injection	Automated Liquid or Solid Sample Modes, Solid Injection: 5g-70g Liquid Injection: 10mL-140mL
Sample Loader Plunger	15mL, 75mL, 150mL
UV Wavelength Range	200-360nm
Accommodates Cartridge Sizes	4g-330g (Luer Type)
Triggers	UV signals, ELSD signal, slope, and threshold
Fraction Collection Trays	Holds two 5"x12" trays, RFID "hot swap" capable, Multi-position racks for 12, 13, 16, 18, 25mm tubes, 480mL bottles
Power Options:	120/240V, 50/60Hz, 10A
Instrument Dimensions:	16.5" H x 21.5" W x 18.0" D (41.91cm H x 54.6cm W x 45.72cm D)
Instrument Weight:	75lbs (34.02kg)
Certifications	CE, TÜV®, ISO® 9001

Reveleris™ SRC Cartridges

Description	Qty	Part No.
Silica Flash Cartridges (up to 200psig)		
4g	20	5146130
12g	20	5146131
40g	15	5146132
80g	12	5146133
120g	10	5146134
330g	4	5146135

Accessories and Spare Parts

Description	Qty	Part No.
Fraction Collection Trays		
12x75mm (126 vials per tray)	Each	8623401
13x100mm (112 vials per tray)	Each	8623402
16x125mm (134 vials per tray)	Each	8623403
16x150mm (134 vials per tray)	Each	8623404
18x150mm (60 vials per tray)	Each	8623405
25x150mm (36 vials per tray)	Each	8623406
For French Square Bottles (9 vials per tray)	Each	8623400
Fraction Tubes		
12x75mm	1000 (4 pkg of 250)	8623413
13x100mm	1000 (4 pkg of 250)	8623414
16x125mm	1000 (4 pkg of 250)	8623415
16x150mm	1000 (4 pkg of 250)	8623416
18x150mm	1000 (4 pkg of 250)	8623410
25x150mm	500	8623411
480mL French Square Bottles	24	8623412
Reveleris™ Silica TLC Plates		
20x20cm	25	8621250
Adjustable Solid Loader Plungers for:		
5g (15mL)	Each	5148510
25g (75mL)	Each	5148511
60g (150mL)	Each	5148512
Empty Solid Loaders		
15mL	100	5142050
75mL	100	5142051
150mL	50	5147808
Filled Solid Loaders		
5g (15mL)	20	5142035
25g (75mL)	16	5142034
60g (150mL)	12	5147772
Plastic Luer Lock Syringes (rubber-free plunger)		
5mL	5	5148507
10mL	5	5148500
30mL	5	5148504
50mL	5	5148505

Request a Demo Today

Reveleris™ System

Description	Part No.
Reveleris™ Flash Chromatography System*	5148513

*Included with the system:

- (2) 18 x 150mm Fraction Collection Trays (PN 8623405)
- (1) 25g Adjustable Solid Loader Plunger (PN 5148511)
- (1) 40g and (1) 120g Reveleris™ Cartridge
- (1) 25g Filled Solid Loader



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*Check with your local Grace representative to find out if there is a flexible purchase program available in your area.

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