SANTAI

Discover our SepaBean™ flash chromatography machines

Characteristics	SepaBean™ machine U (Entry-level)	SepaBean™ machine T (Cost effective & best-seller)	SepaBean™ machine (Standard version)	SepaBean™ machine 2 (Medium pressure)	SepaBean™ machine L (High flow rate & scale-up)
Model					
Description	Entry-level model designed to handle everyday separation and purification tasks.	Best-selling model, offering a highly cost-effective solution for efficient chromatography.	The standard version featuring a high pressure mixing.	Medium-pressure model with a flow rate up to 300 mL/min and 500 psi (34.5 bar) tolerance.	Designed for large-scale purification featuring a high flow rate of up to 1,000 mL/min.
Control Device	4.3 inches screen (≈ 10 cm) with wireless operation through iPad®				
Flow Rate Range	• U100: 1 - 100 mL/min • U200: 1 - 200 mL/min	1 - 200 mL/min		1 - 300 mL/min	50 - 1,000 mL/min
Maximum Pressure	• U100: 100 psi (6.9 bar) • U200: 200 psi (13.8 bar)	200 psi (13.8 bar)		500 psi (34.5 bar)	• 1000LP: 150 psi (10.3 bar) • 1000MP: 1,450 psi (99 bar)
Detectors	• 254 nm fixed wavelength (other wavelengths in option) • DAD 200 - 400 nm UV Detector • DAD 200 - 800 nm UV/Vis Detector • ELSD Universal Detector (optional)				
Spectral Display	Single, dual, or all-wavelengths (variable UV and UV-Vis)				
Pumping System	Maintenance free ceramic pump			High accuracy dual-piston pump	
Number of Solvents	Binary gradient, two (2) solvents	Four (4) solvents binary with any combinations of two (2) solvents, third (3rd) solvent as modifier	Four (4) solvents binary with any combinations of two (2) solvents, high pressure mixing	Four (4) solvents binary with any combinations of two (2) solvents, third (3rd) solvent as modifier	Four (4) solvents binary with any combinations of two (2) solvents
Gradient Types	Isocratic, linear, and step gradients				
Column Sizes	4 g - 330 g, up to 1.6 kg with adapters		4 g - 330 g, up to 3 kg with adapters	4 g - 330 g, up to 1.6 kg with adapters	800 g - 10 kg
Sample Loading Capacity	4 mg - 160 g		4 mg - 300 g	4 mg - 160 g	8 g - 1 kg
Air Pump Module	Included (to purge solvent residues)				N/A
Certification	CE	CE, cTUVus	CE		
21-CFR Part 11 Compl.	The control software meets FDA requirements for system safety				
Collection Module	Two collection tube racks with LCD display for intelligent identification of tubes				N/A
Fraction Collection	All, waste, threshold, slope, or time				
Fraction Collector	• Standard tubes (13, 15, 16, 18, or 25 mm) • French square 250 or 500 mL bottle or large collection bottle (optional)				Optional 8 channels module
Safety Configuration	Intelligent liquid and pressure alarm				Intelligent pressure alarm
Sample Injection	Liquid and solid sampling				Optional sample loading pump module (100 and 200 mL/min)
Smart Column Holder	Suitable for 4 to 330 g flash columns				Suitable for 800 g to 3 kg columns, option for 5 and 10 kg
Dimensions (W x D x H)	44 x 46 x 54 cm (17.3 x 18.1 x 21.3 in)	40 x 40 x 62 cm (15.7 x 15.7 x 24.4 in)	40 x 40 x 62 cm (15.7 x 15.7 x 24.4 in)	44 x 46 x 63 cm (17.3 x 18.1 x 24.8 in)	33 x 57 x 56 cm (13.0 x 22.4 x 22.0 in)
Weight	30 kg (66 lbs)	39.2 kg (86 lbs)	48 kg (106 lbs)	48 kg (106 lbs)	40 kg (88 lbs)

Purification made easy for any user with SepaFlash™ products

Characteristics	SepaFlash™ Standard Series	SepaFlash™ Large-Size Series	SepaFlash™ HP, Bio & Bonded Series	SepaFlash™ iLOK™ & iLOK™-SL Series	SepaFlash™ iLOK™ Large-Size Series
Model					
Description	SepaFlash™ standard series provides a fast and simple purification solution. With Luer-Lok™ end fittings, it's compatible with any flash systems on the market.	The SepaFlash™ large-size series purifies up to 1 kg with a 100 psi (6.9 bar) tolerance and includes adaptors for compatibility with various systems.	SepaFlash™ HP, Bio & Bonded columns support milligram to kilogram purification with 400 psi (27.5 bar) tolerance and Luer-Lok™ compatibility.\n\nAvailable in irregular, spherical, and functionalized silica, they ensure high resolution and solvent efficiency.	SepaFlash™ iLOK™ cartridges offer flexible solid and liquid loading options, available pre-packed or empty with screw caps, and withstand up to 200 psi (13.8 bar).\n\nThe iLOK™-SL (Twist-Cap) version provides 15% free space for solid loading or with an inserter for liquid injection.	iLOK™ large-size empty solid load cartridges allow easy manual assembly for higher sample loads. They connect seamlessly with high-flow flash chromatography systems using adaptors for various tubing diameters.
Available Sizes	From 4 g to 1,600 g	From 3 kg to 10 kg	From 4 g to 330 g	From 4 g to 330 g	From 800 g to 7 kg

Other SepaFlash™ products

SepaFlash™ Ultra-Pure Bare Silica Gels

SepaFlash™ Ultra-Pure bare silica gels in bulk provide high-quality phases for chromatography, available in both irregular and spherical shapes.

With particle sizes ranging from 25 µm to 200 µm and pore diameters from 60 Å to 300 Å, these silicas meet diverse application needs. They are offered in convenient 1 kg, 10 kg, and 25 kg containers.

SepaFlash™ Ultra-Pure Bonded Silica Gels

SepaFlash™ Ultra-Pure bonded silica gels in bulk provide versatile solutions for chromatography. Available in both irregular and spherical shapes, these gels feature particle sizes from 15 µm to 40 - 75 µm and pore diameters of 60 Å to 150 Å.

Tailored for a range of applications, they offer options in reversed-phase (C18, C8, C4, phenyl, phenyl-hexyl, etc.), normal phase (amine, cyano, diol, etc.), ion-exchange (SAX, SCX, etc.), HILIC (ARG), and alumina phases.

SepaFlash™ TLC Plates

SepaFlash™ TLC plates are manufactured with high-quality media to match the sorbents in SepaFlash™ flash columns. This alignment ensures greater reproducibility in method development.

Available with aluminum and glass backings, these plates come in a wide range of sizes from 2.5 x 7.5 cm to 20 x 20 cm, supporting both analytical and preparative chromatography needs.