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Technical Specifications

General System Specifications

	Location	A laboratory fume hood with the capacity to handle leakage of solvents and provide suitable airflow to prevent the build-up of flammable vapors.
	Ambient Temperature	Operating: 15–32 °C (59–90 °F). Storage and transportation: -25–60 °C (-13–140 °F).
	Humidity	20–95% RH (non-condensing).
	Altitude	Operation: up to 2000 m above sea level.
	Pollution Degree	The system shall be installed in a level 2 environment in accordance with EN 60664-1.
	Electrical Supply	100–127, 220–240 VAC, 50/60 Hz. Connect only to a grounded outlet.
	Fuses	T4A-250 VAC, P/N 411916 (2 required).
	Max Power Consumed	300 VA.
	Fluid Path (Wetted) Materials	The wetted parts of the system consist of stainless steel, FFKM, PEEK, PP, PE, FEP, PTFE, silica, carbon fiber filled PTFE, and fused silica, which are not affected by common chromatographic solvents.
	Weight	23–25 kg (50–54 lbs.) depending on the system configuration.
	Dimensions	Footprint: (W x D) 335/550 mm x 393 mm (13.2/21.7" x 15.5"). The width depends on using one or two collection trays. Height: 545 mm (21.5") excluding secondary solvent containment.
	Interfaces	15.0" (1024 x 768 px) solvent stable TFT LCD touch screen.
	Ports	Ethernet port, 4 USB ports, 2 D-Sub 9-pin ports, and AUX port.
	Data Entry	Touchscreen or USB connection to mouse/keyboard.
	Software	UNIX based Java interface with full on-screen QWERTY keyboard.
	Certification	CE and FCC marked. CB and NRTL certified.

Operational Performance Specifications

	Column Channels	Two.
	Solvent Supply	A maximum of 4 x 5 liter reservoirs on the optional secondary solvent containment. Larger reservoirs than 5 liters must be placed elsewhere. Note: To be compliant with the secondary containment regulations, do not use containers larger than 4 liters.
	Max Number of Fractions	144 fractions with no rack change (288 with two collection trays) using 13 x 100 mm racks.
	Max Total Fraction Volume	3,840 mL with no rack change (7,680 mL with two collection trays), 480 mL bottle racks.
	Rack Types	13 x 100 mm, 16 x 100 mm, 16 x 150 mm, 18 x 150 mm, 25 x 150 mm, 120 mL, 240 mL, and 480 mL.
	Internal Detector Wavelength	200–400 nm (UV) or 198–810 nm (UV-VIS). Amplitude range: 0 to 6400 mAU (Absorbance Units); accuracy of ±5 mAU.
	Flow Rate Range	1–300 mL/min, in 1 mL/min increments.
	Pressure Range	0–30 bar (0–3000 kPa; 0–435 psi).
	Gradient Precision	±2%.

Literature Number: PPS494

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