

VISCOTEK GPCmax



MOLECULAR WEIGHT



MOLECULAR SIZE



MOLECULAR STRUCTURE

The GPCmax is an integrated GPC/SEC pump, degasser and autosampler. It works in combination with the TDA, SEC-MALS, 270 or RI detectors to form a complete GPC/SEC system.



The pump is an isocratic GPC/SEC pump designed for constant and low pulsation solvent flow and includes programmable ramp rates to protect the columns from sudden changes in pressure. The degasser removes any dissolved gases from the solvents. In combination, the pump and degasser help to reduce detector noise and maximize sensitivity on concentration, light scattering and intrinsic viscosity detectors.

The GPCmax includes a variable injection volume autosampler that holds up to 120 standard 2 mL sample vials. A 60 vial cooled (4-40°) sample tray and a 60 vial heated sample tray (fixed to 65°C) are options. The system can be controlled manually from the on board keypad and display. Alternatively the system package can be fully controlled using OmniSEC, Malvern's complete GPC/SEC software package.

Component	Parameter	Specification
Pump	Flow rate	0.1 to 9.99 mL/min
	Pulsation	<1%
	Pressure	12 MPa
	Compressibility	0.7 to 1.0
Degasser	Volume	8 mL/channel
	Material	PTFE
Autosampler	Number of vials	120
	Reproducibility	Better than 0.5%
	Injection volume	20-150 µL
	Syringe volume	500 µL
	Sample cooling (optional)	4-40 °C
	Sample heating (optional)	Fixed at 65 °C
General	Interface	RS232
	Voltage	100/220 V, 50/60 Hz
	Size (h, w, d)	38 cm, 55 cm, 53 cm
	Weight	37 Kg



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