



Circulator Controller Features

	Programmable	Advanced Digital	Standard Digital	Basic	
Operation	Time / Temperature Programming	•			
	Remote Temperature Control Capability	•			
	RS232	•	•		
	Datalogging Capability	•	•		
	Datalogging Software (supports LabView, Excel, and Palm OS)	•			
	Full Graphic Display	•	•		
	Multi-Language Menus	•	•		
	Displays Temperature Trend	•	•		
	Displays Actual & Set Point Temperature Simultaneously	•	•		
Performance	Temperature Readout	Graphic LCD	Graphic LCD	LED	Thermometer
	Readout in °C and °F	•	•	•	
	Readout Accuracy	±0.25°C	±0.25°C	±0.5°C	N/A
	Timer	•	•		
	Temperature Stability ⁽¹⁾	±0.01°C	±0.01°C	±0.05°C	±0.2°C
	Maximum Temperature	200°C ⁽²⁾	200°C ⁽²⁾	150°C	100°C
	PID Control	•	•	•	
	User-Defined Temperature Presets			•	
	Pump	Variable Speed	Variable Speed	2-Speed	2-Speed
	Pressure Flow Rate (maximum)	22 LPM	22 LPM	13 LPM	13 LPM
	Suction Flow Rate (maximum)	15 LPM	15 LPM	N/A	N/A
	Open Loop Operation	•	•		
	Closed Loop Operation	•	•	•	•
	AutoTune (adjusts performance to liquid properties and mass)	•	•		
Nitrogen Purge	•	•	•	•	
Safety	High Temperature Limits (user-settable)	•	•	•	
	Low Temperature Limits (user-settable)	•	•		
	Low Liquid Level Safety	•	•	•	•
	Over-Temperature Safety (user-settable)	•	•	•	•
	Temperature Calibration Capability	•	•	•	
	Local Controller Lockout	•	•	•	
	Audible Alarm	•	•		
	Visual Alarm — Warning, Fault, Error Messages or Error Codes	•	•	•	



Programmable



Advanced Digital



Programmable & Advanced Digital Rear



Standard Digital



Basic



Standard & Basic Rear

¹Temperature stability and other performance specifications may vary depending on bath volume, surface area, insulation, and type of fluid.

²150°C on 13-liter Heating Circulators and all 28-liter Circulators.