

Maxi-Cool™ Recirculating Chiller

Overview

- Temperatures from -38°C to +75°C
- $\pm 0.1^\circ\text{C}$ control stability (process dependent)
- Mechanically refrigerated, air or water-cooled

Benefits

- Meets multiple application requirements
- Cools from ambient to -35°C in less than 20 minutes
- Portability
- Allows control from a remote location

Applications

- Reaction vessels
- Condenser cooling
- Plasma etch equipment
- Vacuum systems
- Calorimeters
- Power supplies



Call **800-824-0400**
or visit www.ftssystems.com

Midsized recirculators for maximum cooling



Maxi-Cool™ features at a glance

- ▶ Wide temperature capability
- ▶ Various pump options
- ▶ Plate-in-plate heat exchanger
- ▶ Caster-mounted
- ▶ RS232 interface

Fluid Selection Facts

For best pumping or stirring results, choose a fluid medium with a kinematic viscosity of 20 centistokes or less over the full operating temperature range. Remember, the heat exchanger in the recirculating cooler may be several degrees colder than your process.

Maxi-Cool™ Recirculating Chiller

Model specifications

		RC100	RC100LT	RC150
Heat removal (watts/BTUs)	+20 C	3800/12970	2800/9550	5000/17075
	+10C	3000/10240	2100/7175	4200/14335
	0 C	2000/6825	1500/5120	3000/10240
	-10 C	1250/4260	1150/3920	2000/6820
	-15 C	700/2390	1000/3415	1700/5800
	-20 C	-	800/2725	-
	-30 C	-	400/1365	-
Temperature range °C		-15 to +35	-38 to +35	-15 to +35
Reservoir	liters	4	4	4
Compressor		1 hp	1 hp	1 1/2 hp
Controls	standard option ¹	Digital/RS232 Deluxe Digital	Digital/RS232 Deluxe Digital	Digital/RS232 Deluxe Digital
Control Stability²	±C°	0.1	0.1	0.1
Heater (w/Deluxe Digital Controller)		75°C/1500W	75°C/1500W	75°C/1500W
Pump: Standard: Centrifugal		4gpm @10PSI	4gpm @10PSI	4gpm @10PSI
option: positive displacement ³		1.6gpm @100PSI	1.6gpm @100PSI	1.6gpm @100PSI
option: positive displacement ⁴		3.6gpm @100PSI	3.6gpm @100PSI	3.6gpm @100PSI
Dimension w x d x h	inches	18 x 24 x 38	18 x 24 x 38	18 x 24 x 38
	cm	45.7 x 61 x 96.5	45.7 x 61 x 96.5	45.7 x 61 x 96.5
Weight	lbs/kg	250/113	250/113	250/113
Electrical (without heat option) ⁵		208-230V/60Hz /11A	208-230V/60Hz /11A	208-230V/60Hz /12A

*Specifications noted above are dependent on fluid choice, fluid temperatures, ambient temperature and electrical supply. Please contact the factory to further discuss your requirements.

1. For Deluxe Digital Controller, add 7A to electrical requirements.
2. Process dependent.
3. Using 1.6gpm/ 100PSI pump option, decrease heat removal by 90 watts.
4. Using 3.6gpm/100PSI pump option, decrease heat removal by 135 watts.
5. 220V/50Hz also available. Decreases heat removal by 17%.



Committed to Product Excellence...and Continuous Support

SP Industries

PO Box 158 3538 Main Street Stone Ridge, NY 12484 USA
800.824.0400 Phone : 845.687.0071 Fax: 845.687.7481 www.ftssystem.com

VirTis FTS Hull Wilmad | LabGlass Hotpack Genevac

SP Industries Corporate Headquarters:

935 Mearns Road Warminster, PA 18974 USA 800.523.2327 Phone: 215.672.7800 Fax: 215.672.7807 www.SPindustries.com