

ULT Series Recirculating Chiller

The ULT Series delivers:

- Wide temperature range from -90°C to +150°C
- Cools from 0°C to -80°C in minutes
- Mechanically refrigerated, air or water-cooled
- Cost-effective heat removal through a constant flow of clean ultra-low temperature coolant

Features at a glance:

- Mechanically refrigerated
- Small footprint
- RS232 interface
- Caster-mounted

Applications:

- Heat exchangers
- Jacketed vessels
- Plastic molding and extrusion
- Vacuum chambers
- Plasma etch equipment
- Reaction cooling
- Cloud and pour point



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

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.



Benefits:

- Eliminates the cost and potential hazards associated with dry ice and liquid nitrogen
- Saves space
- Remote operation and monitoring of all system functions
- Portability

Model Specifications

		RC210 ³	RC211 ³	RC311 ^{1,3}	RC311GWT ¹
Heat Removal (watts/BTUs)	-20°C	1350/4610	1350/4610	3400/11590	3400/11590
	-30°C	1250/4260	1250/4260	3000/10230	3000/10230
	-40°C	1150/3925	1150/3925	2700/9207	2700/9207
	-50°C	1000/3410	1000/3410	2400/8184	2400/8184
	-60°C	880/3005	880/3005	1800/6130	1800/6130
	-70°C	550/1877	550/1877	1200/4090	1200/4090
	-80°C	-	-	500/1705	-
Temperature Range °C		-80 to -10	-80 to +75	-90 to +75	-75 to +150
Reservoir	liters	5	5	5	11.6
Compressor		Two @ 1 hp	Two @ 1 hp	Two @ 4 hp	Two @ 4 hp
Controls		Digital/RS232	Deluxe Digital	Deluxe Digital	Deluxe Digital
Control Stability	±°C	0.1 ²	0.1 ²	0.3	0.3
Heater		-	1500W	1500W	2500W
Pump		6 gpm @ 22 PSI	6 gpm @ 22 PSI	6 gpm @ 22 PSI	6 gpm @ 22 PSI
Dimension W x D x H	Inches	21 x 29 x 48	21 x 29 x 48	21 x 29 x 57	21 x 29 x 57
	cm	53 x 74 x 122	53 x 74 x 122	53 x 74 x 145	53 x 74 x 145
Weight	lbs/kg	390/177	390/177	500/227	500/227
Electrical		208-230V	208-230V	208-230V	208V/60 Hz/28A
		50-60 Hz/18A	50-60 Hz/25A	50-60 Hz/3 ph/28A	

*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. Water-cooled only.
2. Process dependent.
3. 220V/50 Hz also available. Decreases heat removal by 17%.



Committed to Product Excellence...and Continuous Support

SP Industries

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