Recirculating Chillers

Grant
IN THE LABORATORY

Stand-alone closed circulators providing powerful, accurately controlled cooling for analytical techniques and instruments where an optimum operating temperature is required. In addition, RC1400G can be used as heated circulators.

- Precise temperature control
- Low coolant consumption*
- Settable high and low alarm levels with lamp and buzzer
- Over/under temperature cut-outs
- Flow fail device cuts power if no liquid in system
- Digital temperature display

*Use: Water for range +5 to +60°C
Water/glycol mixture for –10 to +5°C

Recirculating Chillers
As specified. Mounted on lockable wheels. For 220-240V 50Hz single phase supplies

CL110-25 Model RC1400G
CL110-30 Model RC3000G

Catalogue No			***CL110-25***	***CL110-30***
Model			RC1400G	RC3000G†
Temperature range		°C	–10 to +60	–10 to +60
Typical cooling power at 20°C		*W*	1100	3000
Heater power		*kW*	1.50	— †
Stability at 20°C (DIN58966) (using water)		±°C	0.25	0.5**
Maximum liquid flowrate		*litres/minute*	15	15
Pump head pressure at 1 litre/minute		*bar*	0.62	1.60
Dimensions	*D*	*mm*	630	840
	W	*mm*	380	490
	H	*mm*	590	640
Weight		*kg*	53	88
Inlet/outlet connections		*mm*	9.5 diameter — both models	
Reservoir capacity		*litres*	2.5	1.1
Operational ambient temperature range		°C	+5 to +35 — both models	
EMC emissions		*class*	A	B
Supply requirements			220-240V 50Hz single phase supplies — both models	

†Note: The RC3000G has no heater and therefore is designed for cooling applications only. It can control to +60°C where the temperature of the exothermic reaction or process is above +60°C; this is achieved by switching the cooling on and off.

*With 10 litres of water in the system. **With 25 litres of water in the system.

Accessories

Bypass RC BYP
Ensures that the flow through the chiller is always at least 1 litre/minute so that the chillers' flow-fail device does not engage. This maintains temperature control and system integrity if narrow tubing or small cooling cells are used in an external circuit.

CL110-85 RC BYP

Pressure gauge RC PR
Indicates output pressure from the chiller.

CL110-89 RC PR
CL110-93 PRES Priming reservoir

CL110