Rocket Synergy 2 High Speed Evaporator

Specifications

Evaporator	
Maximum rotor speed	1760 rpm (flask rotor) or 1530 rpm (bowl rotor)
Flask rotor capacity	6 x 400 ml
Bowl rotor capacity	5 litres
Nominal sample load g force	500 g
Temperature control range	30 ºC to 60 ºC
Dimensions (W x D x H) [1]	735 x 640 x 752 mm
Weight (approx.)	75 kg

Vacuum Pump (Integral)	
Type	Diaphragm pump
Ultimate system vacuum	< 3mbar

Condenser (Integral)	
Type	Aluminium water jacket
Minimum coolant temp.	-15 ºC
Required coolant flow rate	1.5 ± 0.5 litres/minute
Max. coolant inlet pressure	30 psi (2 bar g)

Inert Gas Supply (IGP option only)	
Maximum pressure	1.5 bar g (2.5 bar abs.)
Minimum pressure	1 bar g (2 bar abs.)
Flow rate (nominal)	30 litres/minute
Hose length	2.5 m
Connector type	3/8" BSP female

Emissions	
Noise (@ 1 metre)	63 dB(A)

Re-Circulating Chiller (Remote)	
Coolant	50% mix water and mono-ethylene glycol
Dimensions (W x D x H)	320 x 500 x 600 mm
Weight	48 kg
Length of coolant hoses	2 m
Min/Max coolant temp	-20 ºC to +40 ºC

Electrical Supply	
	230V 50Hz
	220V 60Hz
	120V 60Hz
	100V 50Hz
	100V 60Hz
Max supply input	1500 A

Storage/Transportation Environment	
Ambient temperature	0 °C to 40 °C [2]
Relative humidity	10-80% non-condensing

Operational Environment	
Ambient temperature	15 ºC to 30 ºC
Relative humidity	10-80% non-condensing
Altitude	Sea-level to 1600 m
Min. ventilation air-gap	75 mm
Ingress protection rating	IP 20
Exhaust hose (supplied)	6 mm ID / 8 mm OD
Installation environment	Indoor only. Static-dissipative laboratory or similar

[1] *Dimensions include allowance for lid opening, but do not allow for cable & hose connections*

[2] *-10 ºC permissable during transport*

Recirculating Chiller

A powerful recirculating chiller is available for the Rocket Synergy 2 evaporation system. The system can control the chiller via an RS232 link, thereby providing improved solvent recovery and better drying of samples compared with using a static cooled supply. A connection kit with insulated pipe work is available to accompany the chiller.

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