EZ-2 4.0 Benchtop Evaporator

Specifications

Evaporator	
Max. rotor speed	1920 rpm
Nominal sample load g force	500 g
Temperature control range	30 °C to 80 °C
Max. load per swing	1.5 kg
Max. operational imbalance	80 g
Dimensions (W x D x H)	613 x 648 x 560 mm
Weight (approx)[1]	90 kg

Elite Vacuum Pump (External)	
Type	Oil-free scroll
Ultimate system vacuum	< 0.4 mbar
Dimensions (W x D x H)	432 x 282 x 302 mm
Weight	26.2 kg
Vacuum hose/control cable	2 m

Plus / Standard Vacuum Pump (Internal)	
Type for Standard	Diaphragm pump
Ultimate system vacuum	< 11 mbar
Type for Plus	Diaphragm pump
Ultimate system vacuum	< 3 mbar

Condenser	
Type	Single-stage vapour compressor
Refrigerant gas	R1270
Refrigerant charge	28 g
Refrigerant GWP	2
Refrigerant CO_2e	< 0.1 tonnes
Ultimate low temperature[2]	-50°C
Max. pressure (PS)	30 bar

Emissions	
Noise (@ 1 metre)	65 dB(A)
Exhaust hose (supplied)	6 mm ID / 8 mm OD

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

Storage/Transportation Environment	
Ambient temperature	0 °C to 40 °C[3]
Relative humidity	10-80% non-condensing
Store upright at all times	

Operational Environment	
Ambient temperature	15 °C to 30 °C
Relative humidity	10-80 % non-condensing
Altitude	Sea-level to 1600 m
Min. ventilation air-gap	50 mm
Installation environment	Indoor only
Static-dissipative laboratory or similar	

Solvent Capacity & ACC Range	
Max. solvent capacity	750 ml
Refrigeration ACC range	110 °C

Inert Gas Supply Requirements	
Max. pressure	2 bar g (3 bar abs.)
Max. consumption (purge)	250 litres approx.
Min. pressure	1.5 bar g (2.5 bar abs.)
Max. consumption (blanket)	50 litres/hour approx.
Flow rate (nominal)	50 litres/min @ STP[4]
Connector type	3/8 BSP female
Hose length	2.5 m

[1] Varies with build options
[2] Ultimate low temperature: operational values may vary
[3] -10°C permissible during transport only
[4] STP stands for standard temperature and pressure

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