

MODEL:	<u>EZ-2</u>	<u>EZ-2^{plus}</u>	<u>EZ-Bio</u>
Mechanical Data			
Max RPM	2150	2150	2150
Max G	500 G	500 G	500 G
Drive system	Direct	Direct	Direct
Sample load including swings	1.5 kg	1.5 kg	1.5 kg
Max. imbalance	40g	40g	40g
IR lamps number	1	1	1
Vacuum system			
Pressure display	0-1150 mbar	0-1150 mbar	0-1150 mbar
Automatic Pressure control	10 mbar -atm	<2 mbar -atm	10 mbar -atm
Bump protection	Yes	Yes	Yes
System ultimate pressure	10 mbar	2 mbar	10 mbar
Auto vacuum vent valve	Yes	Yes	Yes
Temperature controls			
Temperature control range	Ambient to 80°C	Ambient to 80°C	Ambient to 80°C
Temperature control accuracy	+/- 2.5°C	+/- 2.5°C	+/- 2.5°C
Temperature sensing	infra red pyrometer	infra red pyrometer	infra red pyrometer
Temperature display range	-99 to + 99°C	-99 to + 99°C	-99 to + 99°C
Chamber temp. range	Ambient	Ambient to 80°C	Ambient
End of run determination	Automatic / Timed	Automatic / Timed	Timed
Condenser Data			
Condenser temperature	-40°C	-40°C	-40°C
Vacuum pots (number)	1	1	1
Useable Capacity - vacuum pot	1 litre	1 litre	1 litre
Materials – condenser jar	Borosilicate glass	Borosilicate glass	Borosilicate glass
Refrigerant	R404a	R404a	R404a
Solvent compatibility			
Boiling points	Up to 120°C	Up to 165°C	Up to 120°C
HCl compatibility	Only with option	Only with option	N/A
Diethyl Ether compatibility	Only with option	Only with option	N/A
Dimensions			
Width - Without Catchpot	570 mm	570 mm	570 mm
Width - With Catchpot	597 mm	597 mm	N/A
Depth	645 mm	645 mm	645 mm
Height	700 mm	700 mm	700 mm
Weight	82 kg	88 kg	82 kg
Inert Gas supply			
Max pressure	1.5 bar		
Min pressure	1.0 bar		
Flow 30 litres/min @ STP			
Purge system filter draining	Automatic		

Power Supplies

120V (±10%)	60Hz	15A	(USA)
230V (±10%)	50Hz	13A	(UK + Europe)
100V (±10%)	50Hz	15A	(Japan)
100V (±10%)	60Hz	15A	(Japan)

Power Consumption

Peak:

230V 50Hz	1610VA
120V 60Hz	1800VA
100V 50/60Hz	1200VA

Note: The systems may momentarily take current in excess of the figures quoted above. Genevac therefore recommends the use of appropriately rated type D circuit breakers on the main supply to the EZ-2.

Environment

The following figures apply:

Operating

Ambient Temperature:	15°C to 30°C
Relative Humidity:	10 – 60%
Altitude:	Sea Level to 1,600m

Storage

Ambient Temperature:	-10°C to 60°C
Relative Humidity:	10 – 80%
Altitude:	Sea Level to 12,000m

Emissions:

Noise levels do not exceed 55dBA at one metre from the evaporator.