

POLARIS



-40°C to +175°C
New range of
temp cycling
chamber

reliability testing of semiconductors

- Digital Programmable Controller
- Temperature Limit Controller
- Refrigerant Cooling
- Stainless Steel Interior

SYSTEM SPECIFICATIONS

MODEL E12

MODEL E24 (New)

1 System Configuration	Single chamber, single pneumatic door with N2 purge	Single chamber, dual pneumatic doors with N2 purge
2 External Dimension		
Height	1750mm (68.9 in)	1950mm (76.8 in)
Width	1650mm (65.0 in)	2125mm (86.7 in)
Depth	1480mm (58.3 in)	1600mm (63.0 in)
3 Internal Dimension		
Height	700mm (27.6 in)	700mm (27.6 in)
Width	600mm (23.6 in)	1025mm (40.4 in)
Depth	700mm (27.6 in)	750mm (29.5 in)
4 No. of Slots	12	24
5 Slot Pitch	49mm (1.93 in)	49mm (1.93 in)
6 Max. BIB size	width=410mm (16.1 in) depth=600mm (23.6 in)	width=410mm (16.1 in) depth=600mm (23.6 in)
7 Set Temp Range		
Cold	-40 °C	-40 °C
Hot	150 °C	175 °C
8 Temp Setting Resolution	0.1 °C	0.1 °C
9 Temp Uniformity	±2 °C	±2 °C
10 Cooling System	Water cooled dual stage compressor	Water cooled dual stage compressor
11 Electrical Control System	PLC	PLC
12 Temp Ramp Rate	-40 °C to 150 °C, 50 min @ 0.9KW 150 °C to -40 °C, 100 min @ 0.9KW	-40 °C to 175 °C, 50 min @ 2.3KW 175 °C to -40 °C, 100 min @ 2.3KW
13 Temp Controller	PID Control Algorithm	PID Control Algorithm
14 Temp Recording	6 points	6 points
15 Heat Dissipation @-40 °C (KW)	0.9	2.3

*KESI offers cost effective value added solutions through optimization for custom designed chambers.
Contact us at :-*



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