K2 SCIENTIFIC

K225/K249GDR-BB Blood Bank Refrigerator

K2 Scientific's high-performance blood bank refrigerators are designed to meet FDA requirements for the secure storage of blood and blood components. All models are equipped with a K2 Scientific Monoblock Cooling System, making them ideal for storing large volumes of refrigerated blood.
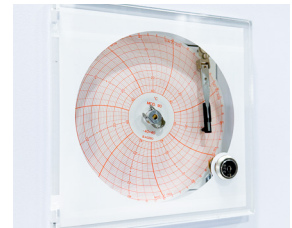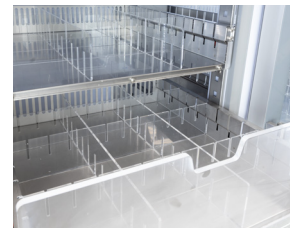

Digital Controller

Chart Recorder

Customizable Drawers

- FDA class II medical device
- Built-in chart recorder
- Ideal for blood bags
- Visual and audible high or low temperature, sensor failure, door ajar alarms
- Magnetically sealed door with rapid cool-down mode after door opening for quick temperature recovery

- Keyed door locks
- Remote dry alarm contacts
- Door-activated and exterior switch-activated interior LED lighting
- Cabinet constructed of white powder-coated 304 steel with CFC-free, high-density insulation (2.4' thick)
- R600a refrigerant

- Customizable clear slide-out plexiglass drawers
- Easy swivel casters
- 0.75" inch data logger access port
- Each cabinet undergoes three quality control checks
- Warranty: two-year full replacement for parts; five years for compressor replacement

MODEL NUMBER	STORAGE VOLUME	INTERIOR (D X W X H)	EXTERIOR (D X W X H)	FACTORY SET POINT	DOORS	DEFROST	SHIPPING WEIGHT
K225GDR-BB	25 cubic feet	26.18" x 23.62" x 59.84"	33" x 28.5" x 78.88"	+4°C	1	SMART - Hot Gas	389 lbs
K249GDR-BB	49 cubic feet	26.18" x 51.97" x 59.84"	33" x 56.75" x 79.25"	+4°C	2	SMART - Hot Gas	790 lbs

Model #	K225GDR-BB	K249GDR-BB
Storage Volume	25 cubic feet	49 cubic feet
Performance Characteristics		
Exterior (D x W x H)	33" x 28.5" x 79.1"	33" x 56.75" x 78.88"
Interior (D x W x H)	26.18" x 23.62" x 59.84"	26.18" x 51.97" 59.84"
Insulation	CFC-free, high density	CFC-free, high density
Doors	1	2
Drawers	6 customizable clear slide-out plexiglass	12 customizable clear slide-out plexiglass
Storage Capacity	336 blood bags (450ml)	672 blood bags (450ml)
Access Port	0.75" Probe Port	0.75" Probe Port
Casters	Standard	Standard
Shipping Weight	389 lbs	790 lbs
Certifications & Compliances	cULus, FDA, ISO: 9001:2015, ISO 14001:2015, ISO 13485:2016, CDC and VFC Compliant	cULus, FDA, ISO: 9001:2015, ISO 14001:2015, ISO 13485:2016, CDC and VFC Compliant
Performance		
Stability	+ 1.32°C / -1.34°C	+ 1.32°C / -1.34°C
Factory Set Point	+4°C	+4°C
Electrical Power/Current	120V 60 Hz 15 Amp	120V 60 Hz 15 Amp
Power Plug	NEMA 5-15	NEMA 5-15
Indoor/Outdoor Use	Indoor use only	Indoor use only
Application Environment	Non-corrosive, non-flammable, non-explosive	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	20°C to 32°C	20°C to 32°C
Refrigeration		
Refrigeration System	Vapor compression system, forced-air	Vapor compression system, forced-air
Compressor	Hermetic sealed compressor	Hermetic sealed compressor
Condenser Type	Steel tube and fins	Steel tube and fins
Expansion Device	Capillary tube	Capillary tube
Evaporator Type	Copper aluminum coated (1000 hours tested salty fog)	Copper aluminum coated (1000 hours tested salty fog)
Defrost	SMART Hot Gas Bypass	SMART Hot Gas Bypass
Refrigerant	R600a (Isobutane) - EPA, SNAP compliant	R600a (Isobutane) - EPA, SNAP compliant
Controller/System Configuration		
User Interface	Microprocessor with digital display	Microprocessor with digital display
Power Switch	On/Off	On/Off
Controller Type	Digital Controller	Digital Controller
Security	Lockable doors	Lockable doors
Control Sensor	NTC probe	NTC probe
Remote Alarm Terminals	Standard	Standard
High/Low Alarms	Standard	Standard
Power Failure Alarm	Standard	Standard
Door Ajar Alarm	Standard	Standard
Warranty	Two-year full replacement for parts; five years for compressor replacement	Two-year full replacement for parts; five years for compressor replacement

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