K2 SCIENTIFIC

K249 High Performance Refrigerators & Freezer

USES: / CLINICAL APPLICATIONS / VACCINES & MEDICATIONS / BIOLOGICS / DIAGNOSTICS KITS / MOLECULAR BIOLOGY / INDUSTRIAL TESTING

K2's 49 cu. ft. high performance life science refrigerators feature a removable monoblock and provides stable cooling temperatures and uniformity throughout the cabinet. The K249 is designed for reliable cold storage for larger medical practices, labs, and hospital pharmacies.

K249GDR

78.88

33.00   56.75

- Intelligent microprocessor controller with digital display adjustable by 0.1 degrees
- Visual and audible hi or low temperature, sensor failure, door open alarms
- SMART Defrost reduces temperature spikes during defrost cycle
- Rapid cool-down mode for quick temperature recovery after door opening
- Energy Star high performance certified and listed

K249SDR

- 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 (2.0' thick)
- Built and shipped from ISO 9001:2015 manufacturing and distribution facilities
- R290 refrigerant, environmentally green EPA SNAP compliant
- UL and cUL listed

K249SDF

- 0.75 inch temperature probe and, one data logger access port
- Easy swivel casters
- Shelves are adjustable by 1" increments
- Keyed door locks
- Each cabinet undergoes three quality control checks prior to shipping
- Dual pane tempered glass door
- Warranty: Two-year parts, labor, or full replacement plus additional three years on compressor

K2 Monoblock Technology is a one-piece, removable cooling system installed on top of the refrigerator or freezer. In the event of a major performance issue, the K2 Monoblock can be easily replaced making the K2 refrigerator or freezer the last unit you will ever need to purchase.

MODEL NUMBER	CAPACITY CU. FT.	Exterior Depth x Width x Height	Interior Depth x Width x Height	TEMP RANGE (SETPOINT)	DOORS	SHELVES	DEFROST	SHIPPING WT. LBS.
K249GDR/SDR	49	33" x 56.75" x 78.88"	26.18" x 51.97" x 59.84"	1°C to 12°C (+4°C)	2	8	SMART Hot Gas	647/571 lbs
K249SDF	49	33" x 56.75" x 78.88"	26.18" x 51.97" x 59.84"	-10°C to -25°C (-20°C)	2	8	SMART Hot Gas	571 lbs

Model #	K249GDR/SDR	K249SDF
Storage Volume	49 cubic feet	49 cubic feet
Specifications		
Exterior (D x W x H)	33" x 56.75" x 78.88"	33" x 56.75" x 78.88"
Interior (D x W x H)	26.18" x 51.97" x 59.84"	26.18" x 51.97" x 59.84"
Insulation	CFC-free, high density insulation	CFC-free, high density insulation
Doors	2	2
Shelves	8	8
Access Port	0.75" probe port	0.75" probe port
Casters	Standard	Standard
Shipping Weight	647/571 lbs	571 lbs
Certifications & Compliances	cULus, ISO: 9001:2015, ISO 14001:2015, ISO 13485:2015, Energy Star, CDC and VFC Compliant, EPA and SNAP Compliant	cULus, ISO: 9001:2015, ISO 14001:2015, ISO 13485:2015, Energy Star, CDC and VFC Compliant, EPA and SNAP Compliant
Performance		
Stability	+/- 1°C to 2°C	+/- 1°C to 2°C
Adjustable Set Point Range	1°C to 12°C	-10°C to -25°C
Factory Set Point	+4°C	-25°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 Temp	20°C to 32°C	20°C to 32°C
Refrigeration		
Refrigeration System	Vapor compression system, forced-air	Vapor compression system
Compressor	Hemetically sealed compressor	Hemetically 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	R290 (Propane)	R290 (Propane)
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	Keyed lockable doors	Keyed 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 parts, labor, or full replacement plus additional three years on compressor	Two-year parts, labor, or full replacement plus additional three years on compressor

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