## High-Performance Line

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## K215SDF-BB-BF Plasma Blast Freezer



K2 Scientific's Plasma Blast Freezer is designed to rapidly condition your product using powerful dual fans to increase circulation. Over time, our high-speed cooling technology will reduce the stress on your sample storage freezer. The K215 is an FDA approved class II medical device.

- Meets AABB rapid plasma freezing guidelines
- Capacity: 72 plasma bottles (1L) 96 plasma bags (350ml)
- Touch screen on board temperature data logger
- Touchscreen controller with temperature graph
- 3-phase power
- Powerful dual fans for increased circulation
- Evaporator coil & condenser balanced for low power consumption

- Evaporator is epoxy coated to eliminate corrosion
- Sealed, cast iron, selflubrificating evaporator fan motor(s) and larger fan blades with a more efficient low velocity, high volume airflow design
- Constructed with AISI 304 stainless steel
- Each cabinet undergoes three quality control checks before shipping
- 1" access port
- Warranty: two-year parts, labor, or full replacement



MODEL NUMBER	STORAGE VOLUME	EXTERIOR Depth x Width x Height	INTERIOR Depth x Width x Height	FACTORY SETPOINT	DOORS	DEFROST	SHIPPING WEIGHT
K215SDF-BB-BF	15 cubic feet	32.84" x 30.69" x 77.28"	17.03" x 26.8" x 41.31"	-40°C	1	AUTO	597.5 lbs

Model #	K215SDF-BB-BF					
Storage Volume	15 cubic feet					
Specifications						
Exterior (D x W x H)	32.84" × 30.69" × 77.28"					
Interior (D x W x H)	17.03" x 26.8" x 41.31"					
Insulation	CFC-free, high density insulation					
Doors	1, right-hand swing					
Shelves	8 wire or 8 perforated flat shelves					
Storage Capacity	72 plasma bottles (1L) or 96 bags (350ml)					
Access Port	0.75" probe port					
Casters	Standard					
Shipping Weight	597.5 lbs					
Certifications & Compliances	cULus, FDA, ISO: 9001:2015, ISO 14001:2015, ISO 13485:2016, CDC and VFC Compliant					
Performance						
Recovery (in minutes)	5					
Pulldown time to -25°C (in minutes)	20					
Adjustable Set Point Range	-10°C to -40°C					
Factory Set Point	-40°C					
Electrical Power/Current	230v 60 Hz 16 Amp					
Power Plug/Cord Length	NEMA L15-30					
Indoor/Outdoor Use	Indoor use only					
Application Environment	Non-corrosive, non-flammable, non-explosive					
Ambient Operating Temp	20°C to 32°C					
Refrigeration						
Refrigeration System	Vapor compression system, forced-air					
Compressor	Hemetic sealed compressor					
Condenser Type	Steel tube and fins					
Expansion Device	Capillary tube					
Evaporator Type	Copper aluminum coated (1000 hours tested salty fog)					
Defrost	AUTO					
Refrigerant	R452a					
Controller/System Configuration						
User Interface	Microprocessor with digital display					
Power Switch	On/Off					
Controller Type	Digital Controller					
Control Sensor	NTC probe					
Remote Alarm Terminals	Standard					
High/Low Alarms	Standard					
Power Failure Alarm	Standard					
Door Ajar Alarm	Standard					
Warranty	Two-year parts, labor, or full replacement					

