




MFB-220-2K Explosion-Proof Test Chamber

Technical Agreement

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<p>Product Name: Explosion-proof Test Chamber</p> <p>P.S. Image is for reference purpose only.</p>		
Model Code	MFB-220-2K	
Application	Prevent accidental explosion of batteries during tests.	
Prohibitions	<p>Testing or storage of :</p> <ul style="list-style-type: none"> - flammable, explosive and volatile material samples; - corrosive substances; - strong electromagnetic emission source; - radioactive material samples; - highly toxic substances; - samples that may produce the above substances or objects during testing or storage. 	
Dimensions		
Nominal Volume	220L	
Inner Dimension	Single grid = W780 mm × D680 mm × H220 mm	
Outer Dimension	W950 mm × D980 mm × H1180 mm	
Net Weight	Around 200kg	
Structure		
Insulation Envelope	<p>Outer wall material: High quality cold rolled steel plate with surface spray paints.</p> <p>Inner wall material: 1.5mm thick stainless steel plate</p> <p>Inner box electrical insulation protection board: Bakelite</p>	
Standard Configuration	<p>Explosion-proof perspective window (for single grid): Three layers of explosion-proof tempered glass.</p> <p>Outer box lead hole (for single grid): 2 φ 90mm coils with protection (one on each side of the box).</p> <p>Inner box lead hole (for single grid): 2 φ 90 mm with protective coils (one on each side of the inner box rear wall, 4 in total for 2 storage grids).</p>	

	<p>Battery cell tray (for single grid): Bakelite electric insulation protection board is laid on top of the stainless steel bottom plate.</p> <p>Lighting (for single grid): LED light.</p> <p>Exhaust pipe connection: There are two external air pipe connections on the top of the box , with an outer diameter of $\phi 120\text{mm}$. The ventilation fan and ventilation pipe are independently designed for each storage grid.</p> <p>Heat dissipation method: Ventilation and heat dissipation.</p> <p>Explosion-proof chains (for single grid): 2 on the left, 1 on the right for each grid;6 in total for 2 storage grids.</p> <p>Casters: 4</p>
Safety Protection	
Test Chamber	Explosion-proof chains and explosion-proof perspective windows, etc.
Configurations	
Cables	Single phase + protective ground wire
Power Supply	AC 220V/110V 50Hz; distribution power: 150W
Lighting Control	Button control
Conditions of Use	
Installation Site	<ul style="list-style-type: none"> - Flat ground, flatness $\leq 5\text{mm}/2\text{m}$, well ventilated. - No flammable, explosive, corrosive substances and dust around the equipment. - Appropriate space for use and maintenance should be left around the equipment. There should be a space where the door can be opened and closed normally at the opening door of the equipment, and there should be no other objects directly in front of the equipment box door.
Environmental Conditions	<p>Temperature: $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$;</p> <p>Relative humidity: $\leq 85\%$;</p> <p>Atmospheric pressure: $86\text{kPa} \sim 106\text{kPa}$</p>