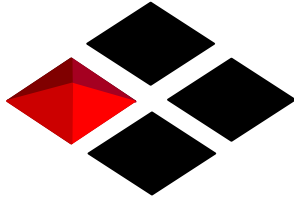




HM224B SUPER BOX



— Equipped With —
Akro Fireguard
Thermal Protection

Technical Summary of Requirements for Oxygen Bottle Packaging Set Forth by HM224B

- Conforms to the performance criteria in Air Transport Association (ATA) Specification No. 300 for a Category I shipping container. Testing as follows from Appendix B:
 - A) Drop Testing in accordance with ATA Spec 300 Table B-2-1.1
 - B) Water Resistance in accordance with ATA Spec 300 Section B-2-3.
 - C) Vibration Test in accordance with ASTM D-999, Method B
 - D) Penetration Test in accordance with ATA Spec 300 Section B-2-5.
- Is capable of passing the Flame Penetration Resistance Test in part III of Appendix F to 14 CFR part 25, modified as follows:
 - A) At least three specimens must be tested.
 - B) Each test must be conducted on a flat 16inch x 24 inch test specimen mounted in the horizontal ceiling position
 - C) Testing must be conducted on all design features (latches, seams, hinges, etc.) affecting the ability of the outer packaging to safely prevent the passage of fire in the horizontal ceiling position.
 - D) There must be no flame penetration of any specimen within 5 minutes after application of the 1700°F flame source and the maximum allowable temperature at a point 4 inches above the test specimen, centered over the burner cone, must not exceed 205C (400F).
- The cylinder and the outer packaging must be capable of passing, the Thermal Resistance Test specified in Appendix D to part 178 of this subchapter:
 - A) Package and contents subjected to 400 °F environment for 3 hours.
 - B) Surface of gas bottle not to exceed 199 °F

The Americase HM224B Super Box passes the above requirements as demonstrated by Design Testing. A Full Qualification Test Report for each model will be available upon request prior to delivery. Please contact us if you have any questions about these requirements.

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