



Fleming Sales Co, Inc.

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Memo

To: Fleming Customers
From: Mike Neeley, Engineering
CC: Mark Grady
Date: July 12, 2005
Re: Battery 'Box' Ventilation Requirements

Battery Box Ventilation Overview

RVIA recognizes Fleming's Battery Box products as 'Battery Compartments'.

As such ventilation requirements are governed by the first two paragraphs of ANSI/NFPA 1192 chapter 1 section 2-3.

To paraphrase, at a minimum the vent opening must have a minimum of 1.7 square inches total area and there must be ventilation available at the top and bottom of the compartment both within 2" of the respective edges of the compartment.

Fleming's battery box products both have a .1875" x 7.75" louver at the top and bottom of the door provided for a total area of slightly over 2.9 square inches.

Individual inspectors have requested a hole in the battery tray to provide air flow from the bottom to the top of the compartment.

Since the batteries would then cover the hole, this addition would add no ventilation capability to the box.

Nonetheless, in both boxes, the fact that the tray is .75 inches shorter than the front to back measurement of the interior of the box there is a total of more than 6 square inches of top to bottom air flow area available.

Mike Neeley

Fleming Sales Engineering