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Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES  
Subpart D--Design and Construction Fire Protection

Sec. 25.851

Fire extinguishers.

(a) *Hand fire extinguishers.*

[(1) The following minimum number of hand fire extinguishers must be conveniently located and evenly distributed in passenger compartments:

<i>Passenger Capacity</i>	<i>Number of Extinguishers</i>
7 through 30	1
31 through 60	2
61 through 200	3
201 through 300	4
301 through 400	5
401 through 500	7
501 through 600	7
601 through 700	8

(2) At least one hand fire extinguisher must be conveniently located in the pilot compartment.

(3) At least one readily accessible hand fire extinguisher must be available for use in each Class A or Class B cargo or baggage compartment and in each Class E cargo or baggage compartment that is accessible to crewmembers in flight.

(4) At least one hand fire extinguisher must be located in, or readily accessible for use in, each galley located above or below the passenger compartment.

(5) Each hand fire extinguisher must be approved.

(6) At least one of the required fire extinguishers located in the passenger compartment of an airplane with a passenger capacity of at least 31 and not more than 60, and at least two of the fire extinguishers located in the passenger compartment of an airplane with a passenger capacity of 61 or more must contain Halon 1211 (bromochlorodifluoromethane  $\text{CBrClF}_2$ ), or equivalent, as the extinguishing agent. The type of extinguishing agent used in any other extinguisher required by the section must be appropriate for the kinds of fires likely to occur where used.

(7) The quantity of extinguishing agent used in each extinguisher required by this section must be appropriate for the kinds of fires likely to occur where used.

(8) Each extinguisher intended for use in a personnel compartment must be designed to minimize the hazard of toxic gas concentration.

(b) *Built-in fire extinguishers.* If a built-in fire extinguisher is provided--

(1) Each built-in fire extinguishing system must be installed so that--

(i) No extinguishing agent likely to enter personnel compartments will be hazardous to the occupants; and

(ii) No discharge of the extinguisher can cause structural damage.

(2) The capacity of each required built-in extinguishing system must be adequate for any fire likely to occur in the compartment where used, considering the volume of the compartment and the ventilation rate.]

Amdt. 25-74, Eff. 5/16/91

**Notice of Proposed Rulemaking Actions:**

Notice of Proposed Rulemaking. Notice No. 89-1; Issued on 01/05/89.

**Final Rule Actions:**

Final Rule. Docket No. 25774; Issued on 04/04/91.