



THE CITY OF SAN DIEGO

**FPB POLICY
E-09-8**

**FIRE EXTINGUISHERS
CFC SECTION 906 AND NFPA 10**

I. PURPOSE

This policy clarifies the size, type, and location of fire extinguishers required by the 2007 *California Fire Code, Section 906* and the Title 19, *California Code of Regulations, Sections 565-617, Fire Extinguishers* as adopted by the State Fire Marshal.

II. SCOPE

This policy applies to all occupancies regulated under the *California Fire Code* and Title 19 *California Code of Regulations*.

III. ACCESSIBILITY AND AVAILABILITY

Portable fire extinguishers shall not be concealed, obstructed or impaired. *California Fire Code, Section 906.6*

IV. MOUNTING

Portable fire extinguishers other than wheeled types shall be securely installed on the hanger or in the bracket supplied or placed in cabinets or wall recesses. The hanger or bracket shall be securely and properly anchored to the mounting surface in accordance with the manufacturer's instructions. Wheeled-type fire extinguishers shall be located in a designated location. Fire extinguishers having a gross weight not exceeding 40 lbs. (18.14kg) shall be installed so that the top of the fire extinguisher is not more than 5 ft. (1.53m) above the floor. Fire extinguishers having a gross weight greater than 40 lbs. (18.14kg) (except wheeled types) shall be so installed that the top of the fire extinguisher is not more than 3-1/2 ft. (1.07 m) above the floor. In no case shall the clearance between the bottom of the extinguisher and the floor be less than 4 in. (10.2 cm). Extinguishers shall be installed on hangers, brackets or in cabinets unless the extinguishers are of the wheeled type. Cal. Code Regs., tit. 19, §567.3 and §567.6

Fire Prevention Bureau

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V. *SERVICING*

Fire extinguishers shall be inspected at least monthly by the building owner, occupant, or his/her authorized agent. . Cal. Code Regs., tit. 19, §574.1.

Fire extinguishers shall be subjected to maintenance annually or immediately after use or when specifically indicated by an inspection or at the time of hydrostatic test. For purposes of maintenance, hydrostatic tests required during the same calendar year shall be performed at the time of the annual maintenance or recharge. . Cal. Code Regs., tit. 19, §575.1

Every 6 years stored pressure dry chemical and dry powder fire extinguishers that require a 12 year hydrostatic test shall be discharged, emptied and subjected to the applicable maintenance procedures as specified by the manufacture's requirements. . Cal. Code Regs., tit. 19, §575.4

VI. *TAGGING, MARKING AND LABELING*

Each fire extinguisher that has undergone annual maintenance shall have an Annual Maintenance Tag attached in accordance with Cal. Code Regs., tit. 19, §596.

Each extinguisher that has undergone maintenance, which includes internal examination or has been recharged, shall have a Verification of Service Collar attached in accordance with Cal. Code Regs., tit. 19, §596.

Exception: Cartridge/cylinder-operated fire extinguishers do not require a Verification of Service Collar.

All low pressure fire extinguishers successfully passing a hydrostatic test shall have a hydrostatic test label affixed. For high pressure cylinders (i.e., CO₂) passing a hydrostatic test, the month and year shall be stamped in accordance with the requirements set forth by D.O.T. Recording (stamping) shall be placed only on the shoulder, top head, neck, or footring (when so provided) of the cylinder.

Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
A-1	6,000	75 feet	2-A:10-B:C
A-2	6,000	75 feet	2-A:10-B:C
A-2.1*	6,000	75 feet	2-A:10-B:C
A-3	6,000	75 feet	2-A:10-B:C
A-4	6,000	75 feet	2-A:10-B:C
A-5	6,000	75 feet	2-A:10-B:C
B	6,000	75 feet	2-A:10-B:C
B (Storing or using flammable and/or combustible liquids requiring a CFC permit)	3,000	30 feet 50 feet	2-A:10-B:C 2-A:20-B:C
B-2*	6,000	75 feet	2-A:10-B:C
E	6,000	75 feet	2-A:10-B:C
E (Storing or using flammable and/or combustible liquids requiring a CFC permit)	3,000	30 feet 50 feet	2-A:10-B:C 2-A:20-B:C
F-1	6,000	75 feet	2-A:10-B:C
F-1 (Storing or using flammable and/or combustible liquids requiring a CFC permit)	3,000	30 feet 50 feet	2-A:10-B:C 2-A:20-B:C
F-2	6,000	75 feet	2-A:10-B:C

*Occupancy Revised in Current Code Cycle.

Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
H-1	4,000	30 feet 50 feet	4-A:40-B:C 4-A:80-B:C
H-2	4,000	30 feet 50 feet	4-A:40-B:C 4-A:80-B:C
H-3	4,000	30 feet 50 feet	4-A:40-B:C 4-A:80-B:C
H-4	3,000	30 feet 50 feet	4-A:40-B:C 4-A:80-B:C
H-5	3,000	30 feet	4-A:40-B:C 4-A:80-B:C
H-6*	4,000	30 feet 50 feet	4-A:40-B:C 4-A:80-B:C
H-7*	6,000	75 feet	4-A:40-B:C
H-8*	6,000	75 feet	4-A:40-B:C
Special hazards in Group H occupancies may require special and/or additional extinguishers			
I-1	6,000	75 feet	2-A:10-B:C
I-1.1*	6,000	75 feet	2-A:10-B:C
I-1.2*	6,000	75 feet	2-A:10-B:C
I-2	6,000	75 feet	2-A:10-B:C
I-2.1	6,000	75 feet	2-A:10-B:C
I-3	6,000	75 feet	2-A:10-B:C
I-4	6,000	75 feet	2-A:10-B:C
L	6,000	75 feet	2-A:10-B:C
M	6,000	75 feet	2-A:10-B:C

*Occupancy Revised in Current Code Cycle.

Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
M (Storing or using flammable and/or combustible liquids requiring a CFC permit)	3,000	30 feet 50 feet	2-A:10-B:C 2-A:20-B:C
R-1	6,000	75 feet	2-A:10-B:C
R-2	6,000	75 feet	2-A:10-B:C
R-2.1*	6,000	75 feet	2-A:10-B:C
R-2.2*	6,000	75 feet	2-A:10-B:C
R-2.1.1*	6,000	75 feet	2-A:10-B:C
R-2.2.1*	6,000	75 feet	2-A:10-B:C
R-2.3*	6,000	75 feet	2-A:10-B:C
R-2.3.1*	6,000	75 feet	2-A:10-B:C
R-3 (Not required, but recommended)	6,000	75 feet	2-A:10-B:C
R-3.1	6,000	75 feet	2-A:10-B:C
R-4	6,000	75 feet	2-A:10-B:C
R-6.1*	6,000	75 feet	2-A:10-B:C
R-6.2*	6,000	75 feet	2-A:10-B:C
R-6.1.1*	6,000	75 feet	2-A:10-B:C
R-6.2.1*	6,000	75 feet	2-A:10-B:C
S-1	3,000	75 feet	2-A:10-B:C
S-1 (Storing or using flammable and/or combustible liquids requiring a CFC permit)	3,000	30 feet 50 feet	2-A:10-B:C 2-A:20-B:C

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Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
S-2	6,000	75 feet	2-A:10-B:C
S-3*	3,000	75 feet	2-A:10-B:C
S-3* (Storing or using flammable and/or combustible liquids requiring a CFC permit)	3,000	30 feet 50 feet	2-A:10-B:C 4-A:20-B:C
S-4*	6,000	30 feet 50 feet	2-A:10-B:C 2-A:20-B:C
S-5*	3,000	30 feet	4-A:40-B:C 4-A:80-B:C
U	6,000	75 feet	2-A:10-B:C
U-1* (Not required in private garages, but recommended)	6,000	75 feet	2-A:10-B:C
U-2*	No requirements		
Aircraft Fuel-dispensing Stations (fuel discharge capacity \leq 200gpm)	CFC §1105.6	75 feet	(at least 2) 20-B:C
Aircraft Fuel-dispensing Stations (fuel discharge capacity >200gpm but \leq 350gpm)	CFC §1105.6	75 feet	80-B:C wheeled extinguisher having a min. capacity of 125 pounds of agent
Aircraft Fuel-dispensing Stations (fuel discharge capacity >350gpm)	CFC §1105.6	75 feet	(at least 2) 80-B:C wheeled extinguishers having a min. capacity of 125 pounds of agent each
Aircraft Towing Vehicles	CFC §1105.2	On vehicle	20-B:C

*Occupancy Revised in Current Code Cycle.

Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
Aircraft Welding Apparatus	CFC §1105.3	On apparatus	2-A:20-B:C
On Aircraft Fuel-servicing Tank Vehicles	CFC §1105.4	On vehicle (an extinguisher shall be accessible from either side of the vehicle)	20-B:C
On Hydrant Fuel-servicing Vehicles	CFC §1105.5	On vehicle	20-B:C
Battery-charging Areas (Powered industrial trucks)	CFC §309.4	Within 20 feet of charger	4-A:20-B:C
Auto Wrecking Yard	CFC §906	30 feet	4-A:40-B:C
Auto Repair Garage	CFC §906	30 feet	4-A:40-B:C
Forklifts		On vehicle	1-A:20-B:C
Boiler Room	Each Room	Outside of	4-A:40-B:C
Electrical Room	Each Room	Outside of	4-A:40-B:C
Equipment Room	Each Room	Outside of	4-A:40-B:C
Mechanical Room	Each Room	Outside of	4-A:40-B:C
Motor and Fan Room	Each Room	Outside of	4-A:40-B:C
Flammable Liquid Storage Rooms	CFC §3404.3.7.5.2	Outside of	4-A:40-B:C
Dip Tank	Each Unit	30 feet	40B:C/4-A:40-B:C
Spray Booth	Each Unit	30 feet	4-A:40-B:C
Laboratories Class A (NFPA 45)	1,000	30 feet	4-A:40-B:C
		50 feet	4-A:80-B:C
Laboratories Class B & C (NFPA 45)	1,500	30 feet	2-A:10-B:C
		50 feet	2-A:20-B:C

Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
LPG Tank	Over 120 Gallons	30 feet	4-A:40-B:C
LPG Industrial Plant, Bulk Plant, and Distributing Point	UFC Standard 82-1		(at least one fire extinguisher) having a minimum capacity of 18 lb of dry chemical with a B:C rating
Gasoline Dispensing	CFC §2205.5	75 feet	2-A:20-B:C
Welder (fixed)		30 feet	4-A:40-B:C
Welder (portable)	CFC §2604.2.6	Mounted on cart	2-A:20-B:C
Projection Room	In each projection room		2-A:20-B:C
Stages	6,000	Each side	2-A:10-B:C
Platforms	Less than 1,000 ft ²	Mounted on platform	2-A:10-B:C
Platforms (enclosed)	6,000	Each side	2-A:10-B:C
Basements/Cellars under stages	At each access to	75 feet	2-A:10-B:C
Carpenter Shop	1,000	50 feet	4-A:40-B:C
Dressing Rooms	In each hallway or passageway to any dressing room	75 feet	2-A:10-B:C
Fly Galleries	Each side of gallery		2-A:10-B:C
Property Room	Each Room	50 feet	2-A-10-B:C
Stage Switchboards	Each Switchboard	Adjacent to	10-B:C/2-A:10-B:C
Kitchens	3,000	50 feet	40-B:C (existing prior to 01/01/02)
	CFC §1005.2.7 and CCR Title 19, Division 1, Chapter 3	30 feet	2-A:K (installed on or after 01/01/02)

Occupancy Classification And Division	Maximum Square Footage Per Floor	Travel Distance To Extinguisher Per Floor	Minimum U.L. Extinguisher Rating
CNG Compression, Storage, and Dispensing Systems	UFC Standard 52-1	Dispensing area	20-B:C
Solvent Distillation Units	CFC §3405.4.9	Not <10 feet or >30 feet from any unit	40-B
Helistops and Heliports	CFC §1107.7		80-B:C
Marine Fuel-dispensing Stations	CFC §2210.6.4	25 feet	20-B:C
Piers, Wharves and Floats	At each hose station	25 feet	2-A:10-B:C
Tents (having a floor area of 500ft ² or more)	CCR Title 19, Division 1, Chapter 3, Section 319	One additional extinguisher shall be provided for each additional 2,000 ft ² or fraction thereof	2-A:10-B:C
Generators or Transformers (supplying tents)	Each generator or transformer		10-B:C
Tent Kitchens and Food Preparation Areas	At each area	30 feet	2-A:K or 40-B:C

Promulgated by: _____

Date: _____