



CITY OF VICTORVILLE

FIRE PREVENTION DIVISION

14345 Civic Center Drive
Victorville, CA 92392
(760) 955-5233

Standard Number

F-6

Revision Date:
11-5-25

FIRE PREVENTION STANDARD F- 6 FIRE FLOW REQUIREMENTS FOR BUILDINGS

AUTHORITY

California Fire Code Sections 102.9, 103, and section 104.1.1 as amended in section 8.08.04⁽⁵⁾ of the City of Victorville Municipal Code provides that the fire code official of the City of Victorville shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to specify requirements not specifically provided for by the Fire Code. For further requirements on this subject, see Appendixes B and BB et. seq. of the California Fire Code. This standard may be modified with the approval of the Fire Code Official.

PURPOSE

The purpose of this standard is to provide procedures for determining the fire flow requirements for buildings or portions of buildings.

SCOPE

This standard shall apply to the design, construction, and maintenance of all new buildings or portions of a building constructed under the current California Fire Code and City of Victorville Municipal Code when applied at the discretion of the fire code official.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations, and standards are updated and adopted, the latest shall apply. Please contact the Victorville Fire Prevention Division at (760) 955-5227 to determine if these standards have changed. These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.

DEFINITIONS

FIRE FLOW – The flow rate of a water supply, measured at 20 pounds per square inch (psi) residual pressure, that is available for firefighting.

FIRE FLOW CALCULATION AREA- The building or floor area, in square feet, used to determine the required fire flow.

GENERAL

- 1) All buildings and/ or portions of buildings constructed under the current California Fire Code and City of Victorville Municipal Code shall conform to this standard.
- 2) All fire flow requirements for the water system shall be designed at no less than 20 psi residual pressure and take into account daily water consumption for the location of the building or portions of the buildings.
- 3) Fire Prevention may require an inspection and acceptance test of fire flow for a water fire protection



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system.

- 4) For the purposes of determining adequate fire flow, the following will apply to the current California Fire Code Appendix B and the Victorville Municipal Code:
- Triplexes, fourplexes, apartment complexes (five or more units), and condominiums:
 - Fire flow and duration- as determined by B105.1(1), B105.1(2), and B105.2 of Fire Code
 - Reduction for an approved automatic fire sprinkler system shall read as follows in Table B105.2 (whichever is most applicable):
 - 50% of the value in Table B105.1(2)^b
 - 50% of the value in Table B105.1(2)^a
 - Other residential property and buildings, including hotels and motels; places of assembly and all other commercial, industrial, and hazardous occupancies:
 - Fire flow and duration- as determined by B105.1(1), B105.1(2), and B105.2 of Fire Code
 - Reduction for an approved automatic fire sprinkler system shall read as follows in Table B105.2:
 - 50% of the value in Table B105.1(2)^a

**TABLE B105.2
 REQUIRED FIRE FLOW FOR BUILDINGS OTHER THAN ONE- AND
 TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND
 TOWNHOUSES**

AUTOMATIC SPRINKLER SYSTEM <small>(Design Standard)</small>	MINIMUM FIRE FLOW <small>(gallons per minute)</small>	FLOW DURATION <small>(hours)</small>
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the California Fire Code	50% of the value in Table B105.1(2) ^a	Duration in Table B105.1(2) at the reduced flow rate
Section 903.3.1.2 of the California Fire Code	50% of the value in Table B105.1(2) ^b	Duration in Table B105.1(2) at the reduced flow rate

For SI: 1 gallon per minute = 3.785 L/m.

a. The reduced fire flow shall be not less than 1,000 gallons per minute.

b. The reduced fire flow shall be not less than 1,500 gallons per minute.