



Corona Fire Department

Fire Flow and Hydrant Spacing Guideline per 2025 California Fire Code and Corona Municipal Code

PURPOSE

The intent of this guideline is to provide the details necessary for the minimum fire flows required and the proper spacing of fire hydrants located in the City of Corona. The Fire Chief may waive any of these requirements upon receipt of alternate methods and materials that meet the intent of these standards.

SCOPE

This guideline shall apply to new construction and shall apply to existing buildings when changes made in the character or use of a building or occupancy affect the delivery of fire protection. Fire flow and hydrant spacing requirements are in accordance with the 2025 edition of the California Fire Code, as amended by the City of Corona.

REQUIREMENTS

A. FIRE FLOW - The following fire flow requirements shall apply:

One- & Two-Family dwellings	1500 gpm at 20 psir for 2 hours	Fire flows for buildings and/or occupancie s with
Multi-family dwellings	2500 gpm at 20 psir for 2 hours	
Commercial buildings/occupancies	3000 gpm at 20 psir for 3 hours	
Industrial buildings/occupancies	3500 gpm at 20 psir for 4 hours	

special hazards will be determined based on unique hazard and type of construction. Per CMC 15.25.130, Increased fire flow in Very High Fire Hazard Severity Zones for one- and two-family dwellings. Fire-Flow Requirements:

- (1) The required fire flow shall be not less than 2,000 gallons per minute (GPM) at a residual pressure of 20 psi for a minimum duration of 2 hours.
- (2) Where any dwelling unit exceeds 3,600 square feet of floor area, the required fire flow shall be increased to 2,500 gpm for a minimum duration of 2 hours.

B. HYDRANT SPACING - The following spacing shall apply:

One- & Two-Family dwellings	300' between hydrants, as measured by approved emergency access route. *
All other buildings:	250' between hydrants, as measured by approved emergency access route.

** When approved by the Fire Chief, hydrant spacing may be increased to 500' when homes do not front on the emergency access roadway.*



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C. ADDITIONAL INFORMATION

Hydrants installation shall conform to City of Corona Public Works Standard #412, and the 2024 edition of NFPA 14, Standard for the Installation of Standpipe, Private Hydrant, and Hose Systems.

Reflective blue dot hydrant markers shall be installed per City of Corona Public Works Standard #531. The Public Works Standards are available online at www.coronaca.gov