

## Suggested revisions to the Oregon Fire Code

### SECTION 512 FIRE PROTECTION WATER SUPPLIES

Section 512 only applies when Appendix P of the Oregon Residential Specialty Code is adopted by a local jurisdiction. These requirements may not be modified by the local jurisdiction.

**512.1 Fire protection water supplies.** An approved water supply capable of supplying a minimum fire flow of 500 gallons per minute at 20 psi for a duration of one hour shall be provided for one-and two-family dwellings having a fire-flow calculation area which does not exceed 3,600 square feet. Fire-flow and flow duration for dwellings having a fire-flow calculation area in excess of 3,600 square feet shall be as specified in Table 512.1.

**Exception:** Attached garages shall not be included in the fire-flow calculation area when separated from adjoining spaces by 5/8" type X gypsum board or equivalent, installed on the garage side.

**Table 512.1  
Minimum Required Fire-Flow and Flow Duration**

<b>CALCULATION AREA (square feet)</b>	<b>FIRE-FLOW (gallons per minute)<sup>a</sup></b>	<b>FLOW DURATION (hours)</b>
3,601 – 4,800	500	2
4,801 – 6,200	500	2
6,201 – 7,700	562	2
7,701 – 9,400	625	2
9,401 – 11,300	687	2
11,301 – 13,400	750	3
Over 13,400	1,000	3

a. Measured at 20 psi.

**512.2 Fire hydrant systems.** In one-and two-family dwellings and townhouse developments that are equipped with fire sprinkler systems meeting the requirements of the Oregon Residential specialty Code Section AP102, the distance between fire hydrants shall be a maximum of 1,000 feet.

**NOTE:** Changes will also be needed in Sections 503.1 and 508.1 indicating if the requirements of Appendix P of the Oregon Residential Specialty Code are adopted then see Sections 511 and 512.