

Wood Stove Installation Information

This guide is an excerpt from NFPA 211 “Standard for Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances” 2003 Edition. While this sheet contains minimum clearances it is not exhaustive for all installations and the original code shall be consulted for your particular installation.

Every appliance shall be located with respect to building construction and other equipment to allow access to the appliance and circulation of heated air

Solid fuel-burning appliances shall not be installed in alcoves or enclosed spaces less than 512 ft³ (14.5 m³) unless specifically listed for such use.

Solid fuel-burning appliances shall not be installed in any location where gasoline or any other flammable vapors or gases are present or in any garage.

The chimney connector and vent connector shall be 18 inches from combustible materials.

Connectors and chimneys for solid fuel-burning appliances shall be designed, located, and installed to allow access for internal inspection and cleaning.

Residential-type solid fuel-burning appliances shall be permitted to be placed without floor protection in any of the following manners:

- (1) On concrete bases adequately supported on compacted soil, crushed rock, or gravel
- (2) On concrete slabs or masonry arches that do not have combustible materials attached to the underside
- (3) On approved assemblies constructed of only noncombustible materials and having a fire resistance rating of not less than 2 hours, with floors constructed of noncombustible material
- (4) On properly stabilized ground that can support the load of the appliance

Any floor assembly, slab, or arch shall extend not less than 18 in. (457 mm) beyond the appliance on all sides.

Standard Clearances for Solid Fuel-Burning Appliances								
Type of Appliance	From Top		From Front		From Back		From Sides	
	in.	mm	in.	mm	in.	mm	in.	mm
<i>Residential Appliances</i>	6	152	48	1219	6	152	6	152
Gravity and forced air ^d	18	457	48	1219	18	457	18	457
<i>Room Heaters, Fireplace Stoves, Fireplace Inserts, Combinations</i>	36	914	36	914	36	914	36	914
Lined fire chamber	30	762	36	914	24	610	18	457
Unlined fire chamber	30	762	36	914	36	914	18	457