

Table 1

Reducing Clearance from the Wood burning Appliance & Connector Pipe				
It is possible to reduce manufacturer's or NFPA 211 recommended clearances from the wood burning appliance and connector to combustible surfaces. When the required clearance with no protection is 18 inches or 36 inches respectively the allowable clearance reduction is shown below.				
Combustible Surface Covering	As Wall Protector		As Ceiling Protector	
	<i>Appliance</i>	<i>Connector</i>	<i>Appliance</i>	<i>Connector</i>
3 ½ inch thick masonry wall without ventilated air space	33% – 24"	33% – 12"		
1/2 inch thick non-combustible insulation board over 1 inch glass fiber or mineral wool batts without ventilated air space	50% – 18"	50% – 9"	33% – 24"	33% – 12"
24 gage sheet metal over 1 inch glass fiber or mineral wool batts reinforced with wire or equivalent, on rear face with ventilated air space	66% – 12"	66% – 6"	50% – 18"	50% – 9"
3 ½ inch thick masonry wall with 1 inch ventilated air space	66% – 12"	66% – 6"		
24 gage sheet metal with 1 inch ventilated air space	66% – 12"	66% – 6"	50% – 18%	50% – 9%
1/2 inch thick non-combustible insulation board with 1 inch ventilated air space	66% – 12"	66% – 6%	50% – 18"	50% – 9"
1 inch glass fiber or mineral wool batts sandwiched between two sheets of 24 gage sheet metal with 1 inch ventilated air space	66% – 12"	66% – 6"	50% – 18"	50% – 9"

**NOTE: After reduction, appliance clearance shall not be less than 12 inches to combustible walls and not less than 18 inches to combustible ceilings
Connector clearance shall not be less than 6 inches to combustible walls and not less than 9 inches to combustible ceilings.
Non-combustible spacers must be used. Refer to NFPA 211 for further details.**