

Reducing Combustible Clearances

Reducing the distance to combustibles is possible by placing a non-combustible surface between the heater and the surface to be protected. This instruction sheet describes how to reduce ceiling clearances by half their original values.

In general, a piece of metal is suspended 6" from the combustibile surface and the heater is hung below the sheet. This forces the heat to circle around the shield, thus increasing the actual distance to the ceiling.

The shield is sized differently for each heater so that the combustibile distance around the edge of the shield is maintained. The shield consists of two sheets of corrugated metal which are overlapped and attached to two stiffeners.

Attachment hardware is included. The sheets are field assembled. See sizes below.

Reducing Combustible Clearances with Heat Shield					
MBTU	Size	Lbs.	Original Distance	Distance to Shield	Total Distance
33	4'x4'	13	30"	9"	15"
66	5'x4'	16	36"	12"	18"
99	6'x4'	19	48"	18"	25"
132	8'x4'	25	54"	21"	27"

Shield Assembly and Installation

Overlap the two sheets so that the two central screw holes are lined up. Be sure the chain holes are positioned as in the illustration below.

Place the U channels under the sheets with the flanges faced outwards and the holes lined up with the sheets (see illustrations below). Fasten the sheets to the U channels with the tek screws provided.

Installation consists of hanging the shield horizontally with chain and hook assembly (not supplied) 6" below the ceiling. The chain is routed to the underside of the sheets to a U-channel stiffener. The heater is then attached with an S-hook to this chain. See "top" view for correct placement of heater in relation to shield. The distance below the shield is given in the chart above.

