

Application

The CRD-2 is a round ETL listed damper designed to limit the radiant heat transfer through an opening in the ceiling membrane of a fire resistance rated floor/ceiling assembly of three hours or less. This product can also be applied to steel lay-in style diffusers up to 24 in. (610mm) diameter maximum size when installed with an approved thermal blanket.

Construction

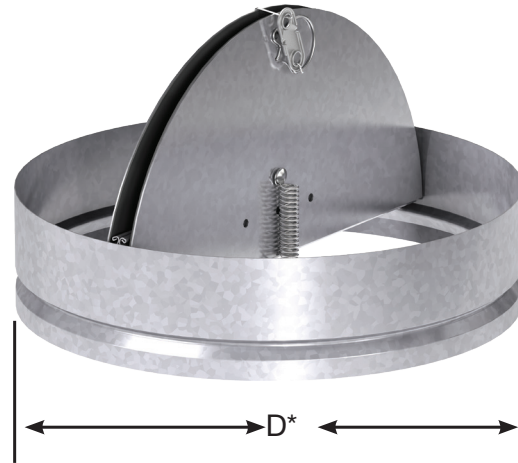
Construction		Standard	Optional
Frame Material		Galvanized steel*	-
Frame Type		Standard	Top, Bottom, or Top/Bottom Extension
Blade Material		Galvanized steel*	-
Closure Device		Fusible link	Volume controller
Fusible Link		165°F (74°C)	212°F (100°C)
Blade Insulation	Under 115.46 sq. in. (12 in. diameter)	Not required	-
	Over 115.46 sq. in. (12 in. diameter)	Non-asbestos UL classified	-

* in gauges required by UL listing R13446

W & H	Minimum Size	Maximum Size
Inches	5	24
mm	127	610

Options

- [Volume Controller](#)
- [Ceramic Fiber Thermal Blanket](#)
- [Mineral Wool Thermal Blanket](#)



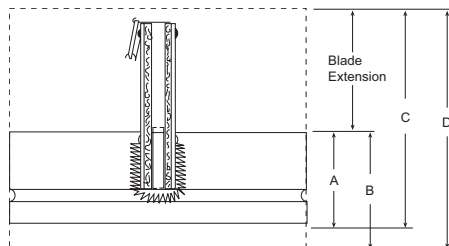
*D dimension is actual O.D. of damper. If damper is to be installed inside duct work, order damper 1/4 in. smaller than duct size.



Model CRD-2 meets the requirements for ceiling radiation dampers established by:

- National Fire Protection Association NFPA Standards 90A, and 101
- International Building Codes (IBC)

Frame Options



CRD-2 & CRD-2B: Blade Extension =
Nominal Diameter/2 - 2.5

CRD-2T & CRD-2 BT: Blade Extension = 0

Frame Option Dimensions					
Damper Model	Diameter (in.)	A	B	C	D
CRD-2 Standard Frame	5 - 24	3 ¹⁵ / ₃₂	-	-	-
CRD-2B Bottom Extension	5 - 24	-	4 ²⁷ / ₃₂	-	-
CRD-2T Top Extension	5 - 11 ¹ / ₄	-	-	7 ⁹ / ₁₆	-
	11 ¹ / ₂ - 17 ¹ / ₄	-	-	10 ⁹ / ₁₆	-
	17 ¹ / ₂ - 24	-	-	13 ¹ / ₂	-
CRD-2BT Bottom and Top Extension	5 - 11 ¹ / ₄	-	-	-	9 ¹⁵ / ₁₆
	11 ¹ / ₂ - 17 ¹ / ₄	-	-	-	12 ¹⁵ / ₁₆
	17 ¹ / ₂ - 24	-	-	-	15 ⁷ / ₈

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