

## 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

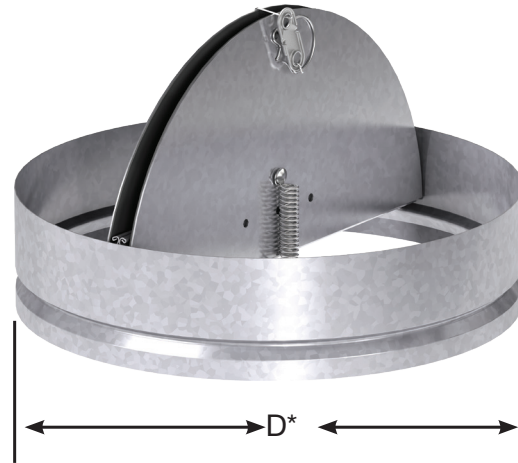
Construction		Standard	Optional
<b>Frame Material</b>		Galvanized steel*	-
<b>Frame Type</b>		Standard	Top, Bottom, or Top/Bottom Extension
<b>Blade Material</b>		Galvanized steel*	-
<b>Closure Device</b>		Fusible link	Volume controller
<b>Fusible Link</b>		165°F (74°C)	212°F (100°C)
<b>Blade Insulation</b>	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
<b>Inches</b>	5	24
<b>mm</b>	127	610

## Options

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



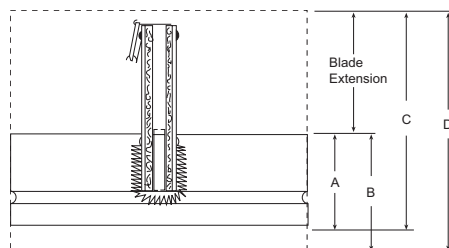
\*D dimension is actual O.D. of damper. If damper is to be installed inside duct work, order damper 1/4 in. smaller than duct size.



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 <sup>15</sup> / <sub>32</sub>	-	-	-
CRD-2B Bottom Extension	5 - 24	-	4 <sup>27</sup> / <sub>32</sub>	-	-
CRD-2T Top Extension	5 - 11 <sup>1</sup> / <sub>4</sub>	-	-	7 <sup>9</sup> / <sub>16</sub>	-
	11 <sup>1</sup> / <sub>2</sub> - 17 <sup>1</sup> / <sub>4</sub>	-	-	10 <sup>9</sup> / <sub>16</sub>	-
	17 <sup>1</sup> / <sub>2</sub> - 24	-	-	13 <sup>1</sup> / <sub>2</sub>	-
CRD-2BT Bottom and Top Extension	5 - 11 <sup>1</sup> / <sub>4</sub>	-	-	-	9 <sup>15</sup> / <sub>16</sub>
	11 <sup>1</sup> / <sub>2</sub> - 17 <sup>1</sup> / <sub>4</sub>	-	-	-	12 <sup>15</sup> / <sub>16</sub>
	17 <sup>1</sup> / <sub>2</sub> - 24	-	-	-	15 <sup>7</sup> / <sub>8</sub>

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