Application

The CRD-2 is a round UL555C classified 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.
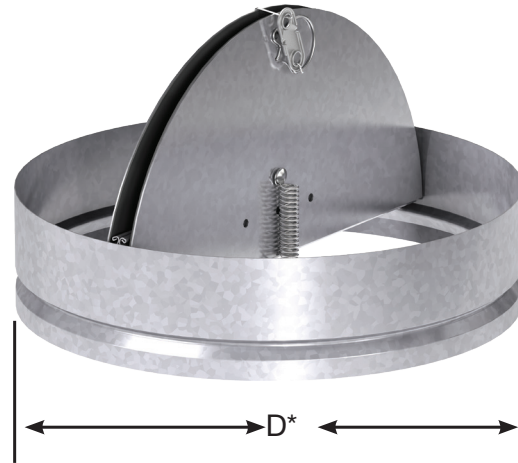
Construction

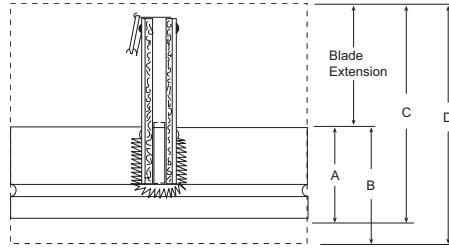| Construction		Standard	Optional
Frame Material		Galvanized steel*	-
Frame Type		Standard	Top, Bottom, or Top/Bottom Extension
Blade Material		Galvanized steel*	-
Closure Device		Fusible link	Volume controller
Fusible Link		165°F (74°C)	212°F (100°C)
Blade Insulation	Under 115.46 sq. in. (12 in. diameter)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

* in gauges required by UL listing R13446

*D dimension is actual O.D. of damper. If damper is to be installed inside duct work, order damper ¼ in. smaller than duct size.

See complete marking on product.
UL 555C Classification R13446

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

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)
- CSFM California State Fire Marshal Fire Listing (#3225-0981:0101)

Options

- Volume Controller
- Ceramic Fiber Thermal Blanket
- Mineral Wool Thermal Blanket

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 - 11¼	-	-	7 $^{9}/_{16}$	-
	11½ - 17¼	-	-	10 $^{9}/_{16}$	-
	17½ - 24	-	-	13 ½	
CRD-2BT Bottom and Top Extension	5 - 11¼	-	-	-	9 $^{15}/_{16}$
	11½ - 17¼	-	-	-	12 $^{15}/_{16}$
	17½ - 24	-	-	-	15 $^{7}/_{8}$

Document Links

INSTALLATION

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