

Ceiling Radiation Damper Round

Application and Design

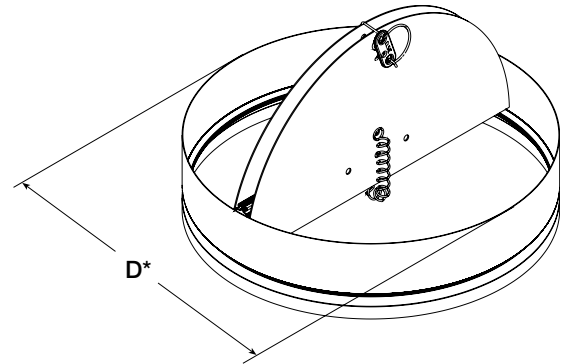
The CRD-2 has been UL tested and labeled for protection of ceiling openings in fire-rated floor/ceiling assemblies with fire resistance ratings of 3 hours or less. This product can also be applied to steel lay-in style diffusers up to 24 in. (610mm) diameter maximum size when installed with an approved thermal blanket.

Warnock Hersey


Warnock Hersey Listed Reports:
#J98 18453
#J99 13961
#J20 24298
#J20 55342

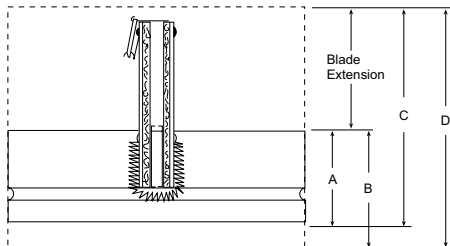
Construction		Standard	Optional
Frame		Galvanized Steel*	-
Frame Type		Standard	Top, Bottom, or Top/Bottom Extension
Blades		Galvanized Steel*	-
Fusible Link Temperature		165°F (74°C)	212°F (100°C)
Blade Insulation	Under 115.46 sq. in. (12 in. diameter)	Not required	-
	Over 115.46 sq. in. (12 in. diameter)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

* in gauges required by UL listing R13446



*D dimension is actual O.D. of damper. Specify "1/4 in. (6mm) under size" for dampers to be installed inside steel ducts.

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



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 7/16	-	-	-
CRD-2B Bottom Extension	5 - 24	-	4 3/4	-	-
CRD-2T Top Extension	5 - 11 1/4	-	-	7 1/2	-
	11 1/2 - 17 1/4	-	-	10 1/2	-
	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

Thermal Blanket Option

Ceramic fiber or mineral wool thermal blanket available.

Volume Controller Option

A volume controller is used to manually set the blades at a given angle to regulate the airflow (24 in. [610mm] maximum). Adjusting the cap screw will open and close the blades.