

Application

Model CRD-501 is a UL 555C classified damper designed for protection of ceiling openings in a fire rated floor/ceiling assemblies with fire resistance rating of 3 hours or less. UL 555S leakage Class I, the CRD-501 has been qualified to 3000 fpm (15.2 m/s) and 4 in. wg (1 kPa) for operational during an emergency smoke control situations for use in HVAC applications.

Ratings

Leakage

UL 555S Leakage Class I

Velocity

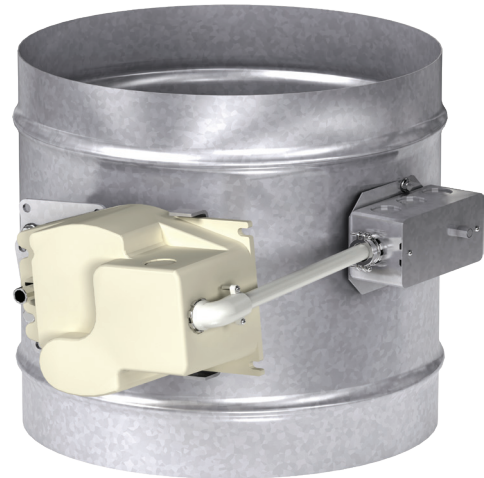
Operational rated up to 3000 fpm (15.2 m/s).

Temperature

Up to 350°F (177°C)

Pressure

Up to 4 in. wg (1 kPa) - differential pressure



See complete marking on product.

UL 555S Classification R13317

UL 555C Classification R13446

Construction

	Standard	Optional
Frame Material	Galvanized steel	-
Frame Thickness	20 ga. (1mm)	-
Blade Material	Double skin galvanized steel	-
Blade Seal	Silicone	-
Blade Thickness	14 ga. (2mm) equivalent	-
Axle Bearings	Bronze	Stainless steel
Axle Material	½ in. (13mm) plated steel	-
Closure Device	RRL	-
Closure Temperature	165°F (74°C)	212°F (100°C)

Model CRD-501 meets the requirements for smoke dampers established by:

National Fire Protection Association

NFPA Standards 92 & 105

International Building Codes (IBC)

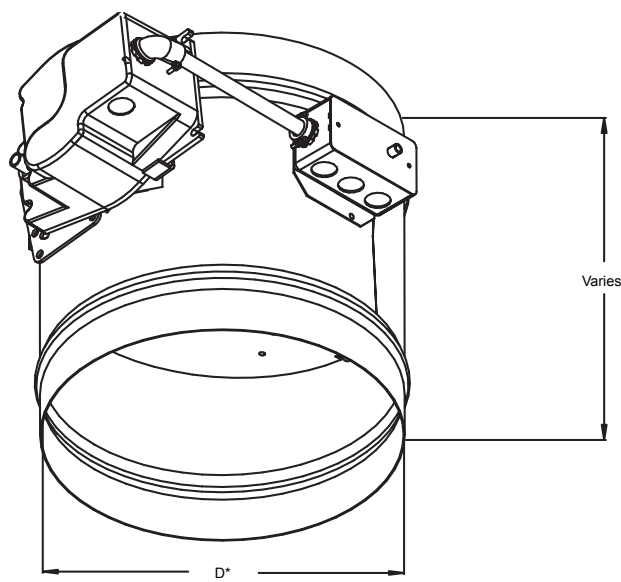
California State Fire Marshal (CFSM)

Smoke Leakage Listing (3230 - 0981: 0113)

Size Limitations

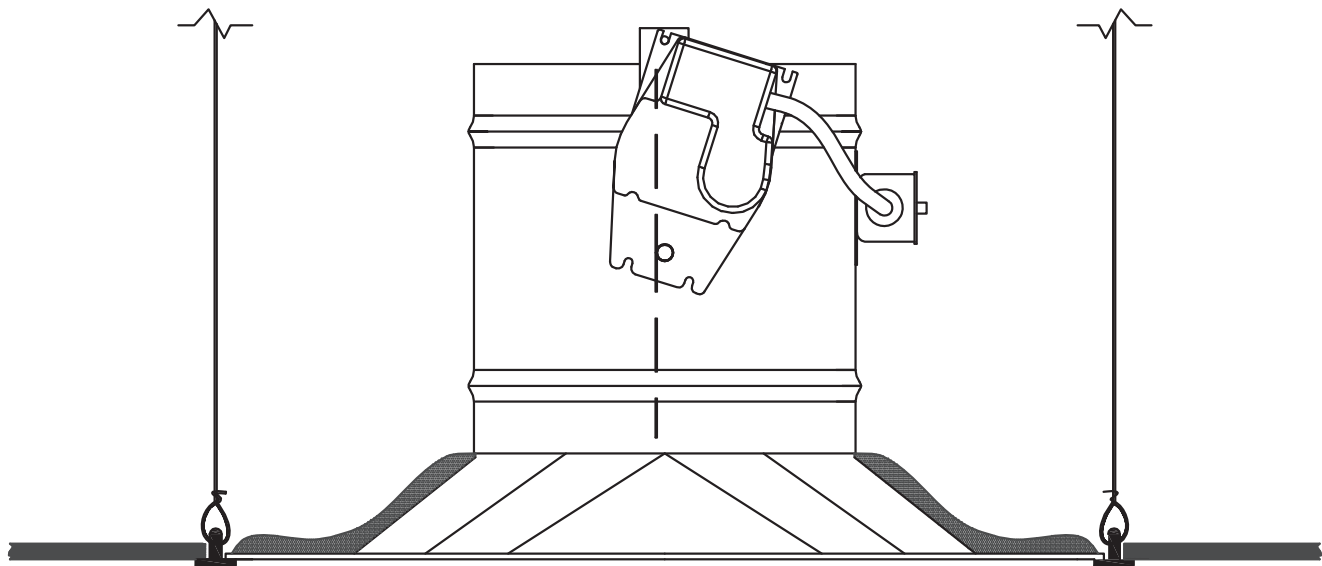
Diameter	Minimum	Maximum
in. (mm)	6 in. (152)	12 in. (305)

Frame Sleeve Lengths



Diameter in. (mm)	Frame/sleeve Length in. (mm)
≤ 7 (177)	$9\frac{3}{4}$ (247)
> 7 and ≤ 8 (> 177 and ≤ 203)	$10\frac{1}{4}$ (260)
> 8 and ≤ 9 (> 203 and ≤ 228)	$10\frac{3}{4}$ (273)
> 9 and ≤ 10 (> 228 and ≤ 254)	$11\frac{1}{4}$ (286)
> 10 and ≤ 11 (> 254 and ≤ 279)	$11\frac{3}{4}$ (298)
> 11 and ≤ 12 (> 279 and ≤ 305)	$12\frac{1}{4}$ (311)

Installation



This is a typical Lay-in Diffuser application. See installation instructions at www.greenheck.com for more application information.



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