

## Application

The CFD-15R ceiling radiation damper employs butterfly style blades for point-of-origin control of radiant heat in HVAC systems. The CFD-15R is installed horizontally in the ceiling membrane of floor-ceiling or roof-ceiling assemblies with fire resistance ratings up to and including 3 hours.

## Standard Construction

**Frame:** 24 gauge (0.7) galvanized steel.

**Blades:** 22 gauge (0.85) galvanized steel – round butterfly. Insulated with ceramic refractory material for dampers larger than 114 in.<sup>2</sup> (735 cm<sup>2</sup>).

**Fire Closure Device:** Fusible link.

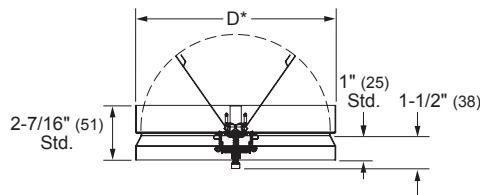
**Fire Closure Temperature:** 165°F (75°C).

**Minimum Size:** 4" Ø (102 Ø)

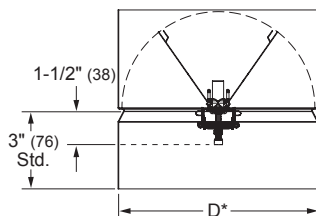
**Maximum Size:** 24" Ø (610 Ø)

## Options

- Factory installed sleeve.
- Alternate blade protection — drywall for dampers larger than 114 in.<sup>2</sup> (735 cm<sup>2</sup>).
- Alternate 212°F (100°C) fire closure temperature.
- VC — volume control device, factory mounted.
- Thermal blanket for steel backed diffuser: CRB-24 (Ceramic refractory blanket).
- WHI installation angle set:
  - 2 angles 1" × 1/2" × 28" long (25 × 13 × 711) × 20 ga. (1.0)
  - 2 angles 1" × 1/2" × 3" long (25 × 13 × 76) × 20 ga. (1.0)
- Square/Rectangular Transition Plate (Maximum 24" × 24" [610 × 610] )



**CFD-15R with optional VC**



**CFD-15R with optional sleeve and VC**

## Ratings

**UL 555C Fire Resistance Rating:** 3 hour (horizontal, for use in 1, 2 or 3 hour rated assemblies)

## Listings

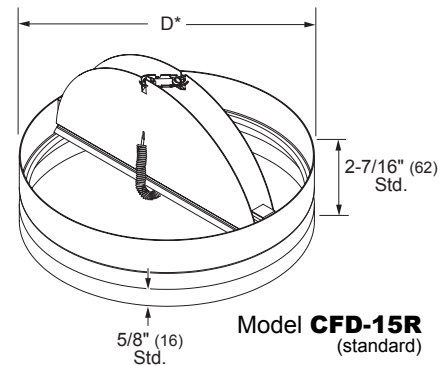
**UL 555C listing:** R14603

**CSFM listing:** 3226-0368:104

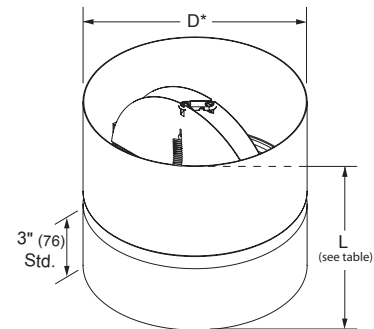
**Warnock Hersey listing #:** WHI-495-PSH-0177, -0178

**Meets NFPA Standards:** 90A and 101

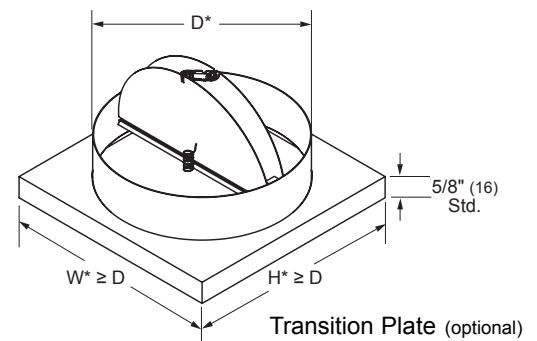
**Meets Building Code Standards:** IBC, NBC, NFPA, SBC and UBC



**Model CFD-15R**  
(standard)



**Sleeve (optional)**



**Transition Plate (optional)**

Sleeve Table	
Damper Diameter	Sleeve Length 'L'
D ≤ 10" (254)	8" (203)
10" (254) < D ≤ 14" (356)	10" (254)
D > 14" (356)	12" (305)

\*Damper dimensions furnished approximately net O.D.

Information is subject to change without notice or obligation.

**NOTE:** Dimensions in parentheses ( ) are millimeters.