

Application

The RD8 ceiling radiation damper employs a folded curtain style blade for point-of-origin control of radiant heat in HVAC systems. The RD8 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: 22 gauge (0.85) galvanized steel.

Blades: Folded ceramic curtain.

Fire Closure Device: Fusible link.

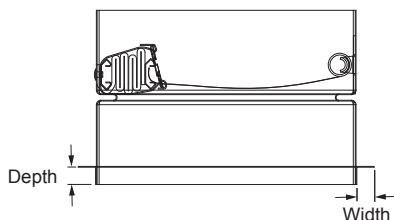
Fire Closure Temperature: 165°F (75°C).

Minimum Size: 6" × 4" (152 × 102)

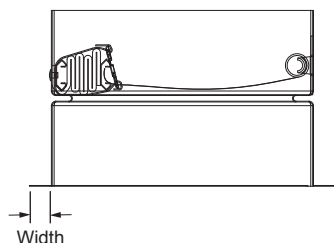
Maximum Size: 24" × 24" (610 × 610)

Options

- ☐ Factory installed sleeve.
- ☐ Transitions:
 - ☐ Round ☐ Oval ☐ Square/Rectangular
 - ☐ Top ☐ Bottom
 - Collar depth: ☐ 2" (51) Std. ☐ 4" (102)
 - ☐ Blank-off (top only)
- ☐ Plaster Ground ☐ 5/8" (16) deep × 1" (25) wide Std.
 - ☐ 1 1/4" (32) deep × 1 1/4" (32) wide
 - ☐ 2" (51) deep × 1" (25) wide ☐ 4" (102) deep × 1" (25) wide
- ☐ Flanged (sleeve required): ☐ 3/4" (19) Std. ☐ 1" (25)
- ☐ Alternate 212°F (100°C) fire closure temperature.
- ☐ Thermal blanket for steel backed diffuser:
CRB-24 (Ceramic refractory blanket).
- ☐ Boot rail installation set (plaster ground required):
2 pieces 25" (365) long.
- ☐ WHI installation angle set:
2-20 ga. (1.0) angles 1" × 1/2" × 28" long (25 × 13 × 711)
2-20 ga. (1.0) angles 1" × 1/2" × 3" long (25 × 13 × 76)



Sleeve (optional)
With standard plaster ground.



Sleeve (optional)
With standard flange.

Ratings

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

Listings

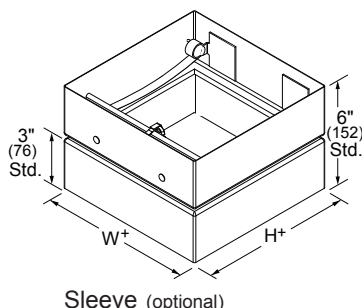
UL 555C listing: R14980

CSFM listing: 3226-1404:100

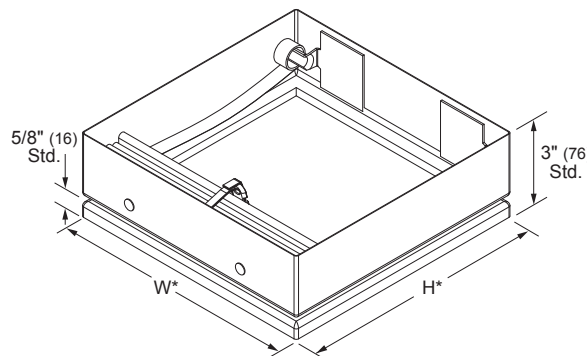
Warnock Hersey listing #: WHI-495-PSH-0177, -0178

Meets NFPA Standards: 90A and 101

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

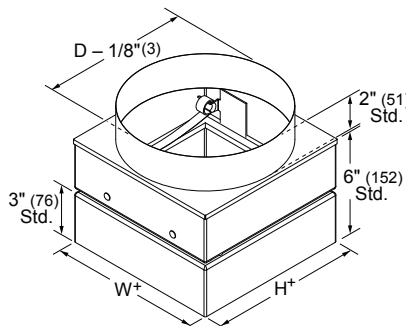


Sleeve (optional)

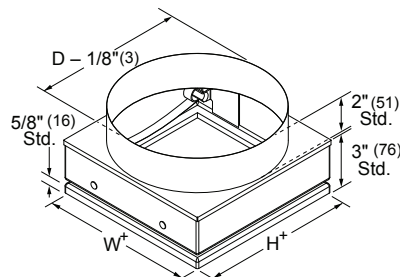


Model RD8
(standard)

*Damper dimensions furnished approximately 1/4" (6) undersize.



Sleeve Type R
(top, optional)
Round duct transition on top.



Type R
(top, optional)
Round duct transition on top.

*Damper dimensions furnished approximately net O.D.