Application
The CFD-15 ceiling radiation damper employs butterfly style blades for point-of-origin control of radiant heat in HVAC systems. The CFD-15 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: 22 gauge (0.85) galvanized steel – butterfly. Insulated with ceramic refractory material for dampers larger than 114 in.² (735 cm²).
Fire Closure Device: Fusible link.
Fire Closure Temperature: 165°F (75°C).
Minimum Size: 4” x 6” (102 x 152)
Maximum Size: 24” x 24” (610 x 610)

Options
☐ Factory installed sleeve.
☐ Transitions (sleeve required):
  ☐ Round  ☐ Oval  ☐ Square/Rectangular
  ☐ Top  ☐ Bottom  ☐ Side:  ☐ W  ☐ H  ☐ P  ☐ Q
  Collar depth:  ☐ 2” (51) Std.  ☐ 4” (102)
☐ Plaster Ground  ☐ 5/8” (16) deep x 1” (25) wide Std.
  ☐ 1/2” (32) deep x 1/2” (32) wide
  ☐ 2” (51) deep x 1” (25) wide  ☐ 4” (102) deep x 1” (25) wide
☐ Flanged:  ☐ 3/4” (19) Std.  ☐ 1” (25)
☐ Alternate blade protection — drywall for dampers larger than 114 in.² (735 cm²).
☐ 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” x 1/2” x 28” long (25 x 13 x 711) x 20 ga. (1.0)
  2 angles 1” x 1/2” x 3” long (25 x 13 x 76) x 20 ga. (1.0)

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

NOTE: Dimensions in parentheses ( ) are millimeters.
CFD-15 Sleeve with Flange and Plaster Ground Options

Sleeve (optional) With standard plaster ground.

Sleeve (optional) With standard flange.

*Damper dimensions furnished approximately net O.D.

Damper Size Limitations for Round, Oval and Square/Rectangular Duct Transitions

<table>
<thead>
<tr>
<th>“D” or “Y” Dimension</th>
<th>“L” Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>D or Y ≤ 7” (178)</td>
<td>11” (279)</td>
</tr>
<tr>
<td>7” (178) &lt; D or Y ≤ 10” (254)</td>
<td>14” (356)</td>
</tr>
<tr>
<td>D or Y &gt; 10” (254)</td>
<td>D or Y + 4” (102)</td>
</tr>
</tbody>
</table>

Sleeve table for transitions

Information is subject to change without notice or obligation.

NOTE: Dimensions in parentheses ( ) are millimeters.

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