

CFDR7-T ROUND CEILING FIRE DAMPERS UL Classified Radiation Dampers for Wood Truss Construction

APPLICATION

The CFDR7-T is a true round ceiling fire damper to be used with round ceiling diffusers and grilles. The CFDR7-T is UL Classified Ceiling Fire Damper that is UL listed for installation in wood truss floor/ceiling and roof/ceiling designs L528, L558, L574, L586, P533, P545 and P548. The CFDR7-T does not require additional damper insulation to meet UL approved installation requirements. The CFDR7-T is also UL approved for installation with duct connection below the ceiling membrane penetration.

Ceiling Diffusers/Grilles

The CFDR7-T is designed to allow up to 2³/₈" (61) grille/diffuser extension into the damper. Steel or non-ferrous grille/diffusers may be used. Non-ferrous grille/diffusers require a plaster flange between the grille/diffuser and the ceiling membrane.

Model CFDR7-T meets the requirements for fire/radiation dampers established by:

- **National Fire Protection Association** NFPA Standards 80, 90A, 92A, 92B, and 101.
- **ICC International Building Codes**
- **CSFM California State Fire Marshal**
Listing (3225-0245:0123)

STANDARD CONSTRUCTION

FRAME

20 gauge (.9) galvanized steel.

BLADE

20 gauge (.9) galvanized steel, with UL classified insulation as required.

FUSIBLE LINK

165°F (74°C) is standard. 212°F (100°C) is available at no additional cost.

MINIMUM SIZE (Damper Sizes)

5" dia. (127).

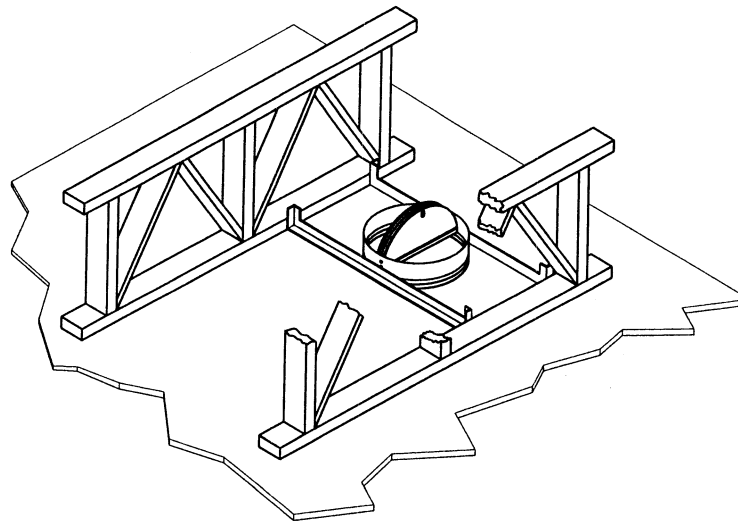
MAXIMUM SIZE (Damper Sizes)

18" dia. (457).

Dimensions shown in parentheses () indicate millimeters.

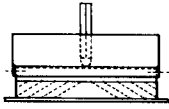
UL CLASSIFIED

UL555C Listing R8039



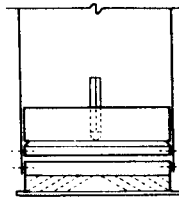
CFDR7-T CEILING FIRE DAMPERS

HOW TO ORDER



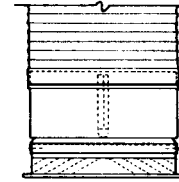
Ductless Installation

Order "actual size" with standard frame. Damper installs over diffuser neck.



Steel Duct Installation

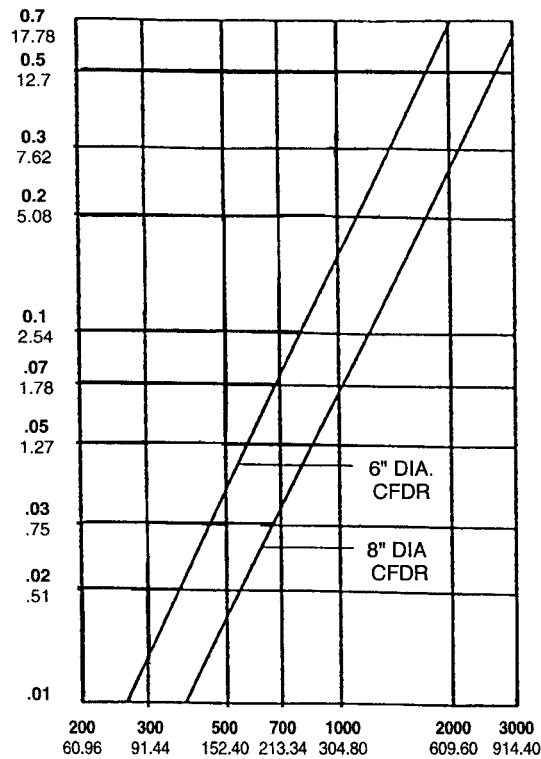
Order "deduct 1/4" (6) with standard frame. Damper installs inside duct.



Flex Duct Installation

Order "actual size" with **extended** frame. Damper installs over diffuser neck, flex duct installs over damper.

Pressure Drop – Damper Open (Size as noted)



Air Velocity in FEET and METERS per minute through FACE AREA.
Tested per AMCA Std. 500, Fig. 5.2, ductwork upstream.

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