

(ENGINEERS)
SUBMITTAL DATA
MODEL FD-R (Static)
MODEL FDD-R (Dynamic)
TRUE ROUND FIRE DAMPER
 U.L.555 CLASSIFIED 1-1/2 HOURS
 FOR USE IN STATIC OR DYNAMIC SYSTEMS

Application and Design

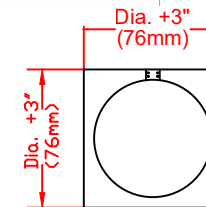
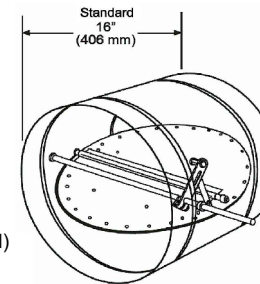
The Model FD-R and FDD-R are UL Classified for installation in walls, floors, and partitions with a fire rating of less than 3 hours. This damper may be installed vertically or horizontally in static HVAC systems (FD-R) that automatically shut down in the event of a fire or dynamic system (FDD-R) that continues to operate in the event of a fire.

Standard Construction

Frame: Roll Formed Frame - Galvanized Steel - Integral Sleeve
Blades: Double Thickness - Galvanized Steel - Welded
Axles: 3/8" (9.5mm) square plated steel
Jackshaft: 1/2" (12.7mm) diameter plated steel
Bearings: Bronze Oilite press-fit into frame
Spring: Stainless Steel
Fusible Link - UL-33: UL Listed 165°F (standard), (212°F (optional)
Manual Locking Quadrant- (may be required for inspection)
Retaining Plates: 2-20 ga. galvanized steel with angle clips (factory installed)



1-1/2 HOUR RATING
 * For use in fire barriers rated for 2 hours or less.



Model FD-R and FDD-R meets or complies with the following as a fire damper: All major building codes, including IBC/ICC International Code
 UL 555 Listing 1-1/2 and - File #R25410
 ULC S122
 NFPA - 90A, 80

FDD-R

Maximum Velocity: 2000 FPM (10.2 M/S)
Maximum Pressure: 4" WG (1KPA)

Note: Dampers are furnished Approx. 1/8" (3.2mm) smaller than given duct dimensions.

Note: The Jackshaft permits operation by any standard locking quadrant, electric or pneumatic actuator.

Standard Sizes (duct) 1-1/2" hr	
Min. Size	Max. Size
8" Diameter 203mm	24" Diameter 610mm

Options:

- ☐ Sleeve / Damper Body 20" (508mm)
- ☐ Sleeve / Damper Body 24" (609mm)
- ☐ Actuator
- ☐ Mounting:
 - ☐ Horizontal
 - ☐ Vertical

Job Name:

Location:

Architect:

Engineer:

Contractor:



- ☐ **MODEL FD-R - Static**
- ☐ **MODEL FDD-R - Dynamic**

DRAWN BY:

BMR

DATE:

04-04-12

REV. DATE:

4-21-26

REV. NO.

1

APPROVED BY:

DWG. NO.:

P-27