



MODEL FD-RD AND FDD-RD FIRE DAMPER

U.L. 555S CLASSIFIED VERTICAL AND HORIZONTAL — 1½ HOURS

MODEL

FD-RD: FIRE DAMPER LISTED FOR USE IN STATIC SYSTEMS.

FDD-RD: FIRE DAMPER LISTED FOR USE IN DYNAMIC SYSTEMS.

LISTED AND LABELLED BY:



DESIGNED AND TESTED IN ACCORDANCE WITH
UL-555 AND ULC-S112. MEETS ALL NFPA-90A
REQUIREMENTS FOR FIRE DAMPERS.

Standard Construction:

Frame: Roll-formed 18 gauge galvanized steel, 16" (406 mm) long, integral sleeve.

Blades: Double thickness galvanized steel, 14 ga. equivalent with welded channel re-inforcement.

Bearings: Bronze Oilite press-fit into frame.

Axles: 3/8" (9.5 mm) square plated steel.

Jackshaft: 1/2" (12.7 mm) diameter plated steel.

Linkage: Jackshaft to blade.

Fusible Link: 165°F standard, 212°F available.

Spring: Stainless steel.

Finish: Mill galvanized.

Sizes: 8" - 24" (203 mm - 610 mm) dia.

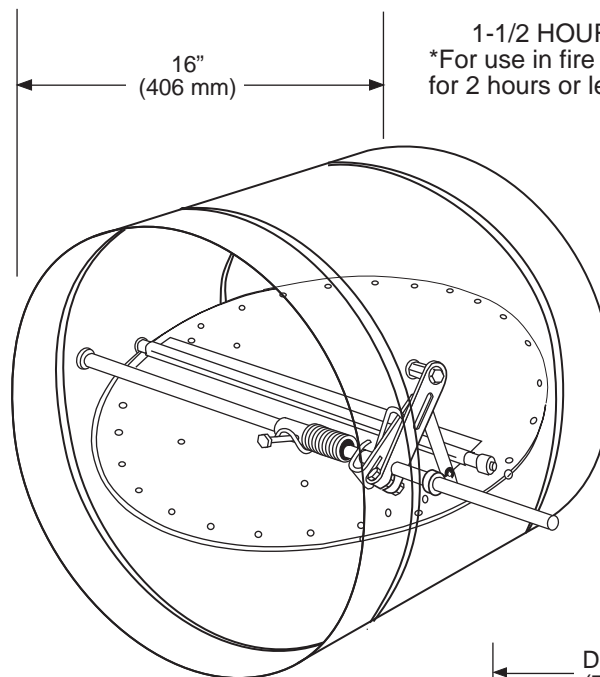
Retaining Plates: 2-20 ga. galvanized steel complete with angle clips.

Options: 20" & 24" sleeve lengths (508 mm & 609 mm)

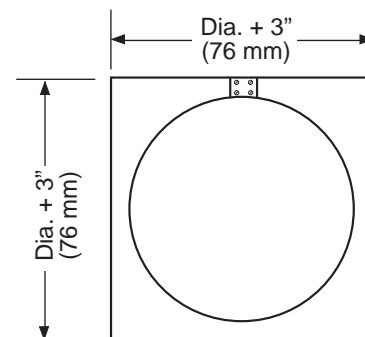
Note: Retaining Plate on operator side of damper is installed at the factory.

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

- Features:**
- Model FD-RD is listed for use in Static type systems where the fan shuts down in the event of an alarm.
 - Model FDD-RD is listed for use in a Dynamic type system where the fan continues to run in the event of a fire for smoke evacuation. This damper has been tested to close at minimum airflows of 2000 fpm at 4" s.p.
 - Models FD-RD and FDD-RD have been designed and tested to exceed all U.L., U.L.C., and F.F.P.A. requirements for fire dampers. They are UL 555 and ULC S112 listed and labeled as an 1-1/2 hour fire damper.
 - UL and ULC listed for vertical and horizontal mountings.
 - The jackshaft permits operation by any standard locking quadrant, electric or pneumatic actuator.



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



**Retaining Plate
(2 Supplied)**

Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

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Project:

Contractor:

Location:

Address:

Architect:

P.O. Number:

Engineer:

Date:

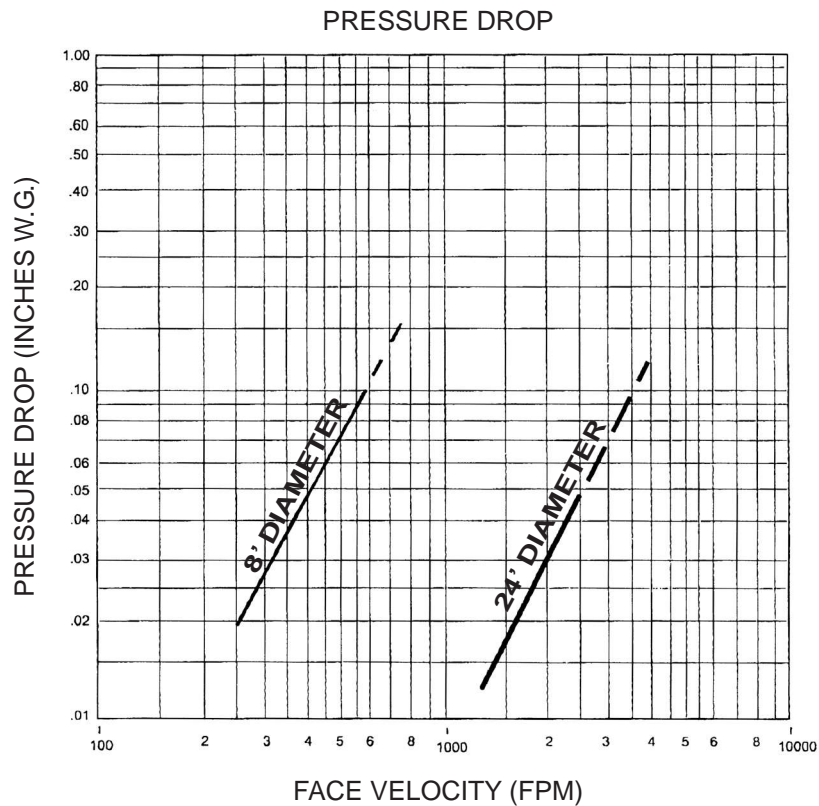


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Pressure drop testing was done by an independent laboratory to the AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.



FD-RD-FDD-RD 02-05

LEAKAGE OBTAINED IN TEST OF 8" DIAMETER AND 24" DIAMETER
WAS LESS THAN 1 CFM/SQ. FT.