

MODEL FSD-RD-211 TRUE ROUND COMBINATION FIRE / SMOKE DAMPER

U.L. 555 CLASSIFIED 1¹/2 HOURS / U.L. 555S CLASSIFIED CLASS /

LISTED AND LABELLED BY:

FEATURES

Fire/Smoke Dampers have been designed and

tested to exceed all U.L., U.L.C. and N.F.P.A. requirements for fire dampers as well as smoke

dampers. They are intended for use where building

codes call for the fire damper to also operate as a

U.L. 555 and U.L.C. S112 listed and labelled as

U.L.and U.L.C. listed for vertical and horizontal

U.L. 555S / U.L.C. S112.1 listed and labelled as

a Leakage Class I rated Smoke Damper with 2,000

FPM airflow in both directions. Class I provides for

a maximum leakage of 8 cfm per sq. ft. at 4.0 inches

static pressure. As we are constantly expanding

our U.L./U.L.C. listings, we suggest you contact the

Actuator shaft permits operation by any standard electric or pneumatic damper motor. Fusible link/actuator (DLT-1) provides an

automatic override systèm to close and latch

damper in the fire mode. Also available with

automatic resettable/override release options: Model STO/R (single thermostat) and DTO/R

(dual thermostat override) to provide the fire

fighter with complete discretionary control of smoke functions during a fire/smoke emergency. (See STO/R and DTO/R submittal drawings for

complete details). Spring return type damper motor

controlled by a smoke detector is recommended

to provide proper operation in the smoke mode.

smoke damper.

mountings.

a 1-1/2 hour fire damper.

factory for current information.

The FSD-RD-211 series Combination

U.L. 555S CLASSIFIED AT 250°F OR 350°F DEPENDING UPON MOTOR/OPERATOR EE MOTOR/OPERATOR SCHEDULI

Standard Construction:

Frame: Roll-formed galvanized

steel,16" (406 mm) long, integral sleeve.

Blades: Double thickness gal-

vanized 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.

Seals: Pressure sensitive 450°F

silicone sandwiched

between blades.

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)

diameter.

Retaining Plates: 2-20 ga. galvanized steel

complete with angle clips.

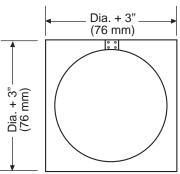
Note: • Retaining plate on operator side of damper is installed

at the factory.

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

dimensions.

16" (406 mm)



Retaining Plate (2 Supplied)

SUGGESTED SPECIFICATION:

Combination Fire/Smoke Dampers shall be Model: FSD-RD-211 by NCA Manufacturing. Fire/Smoke Dampers shall bear the Underwriters' Laboratories labels for both Fire Dampers and Smoke Dampers. U.L. 555S / U.L.C. S112.1 rating shall be Class I with leakage in cfm per sq. ft. not to exceed 8 cfm per sq. ft.. at 4.0 inches static pressure for any size. Units shall also be listed to operate at a minimum of 2,000 FPM at 350°F (177°C).

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. © 2003 NCA Manufacturing

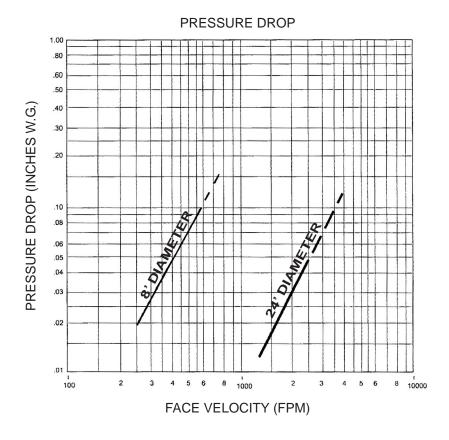
Contractor:	Project:
Address:	Location:
P.O. Number:	Architect:
Date:	Engineer:

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PERFORMANCE DATA

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



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