

**Combination Fire/Smoke Damper, U.L. 555 Classified 1½ Hours**

**Model**

Fire/Smoke Damper **FSD-RD-211**

**Standard Construction:**

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

**Blades:** Double thickness gal-vanized steel, 14 ga. equivalent with welded channel reinforcement.

**Bearings:** Bronze Oilite press-fit into frame.

**Axles:** 3/8" (10mm) square plated steel.

**Jackshaft:** 1/2" (13mm) 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" (203mm - 610mm) 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" (3mm) smaller than given duct dimensions.

**Features**

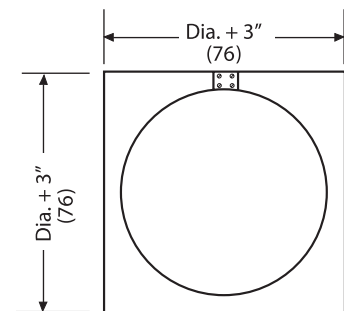
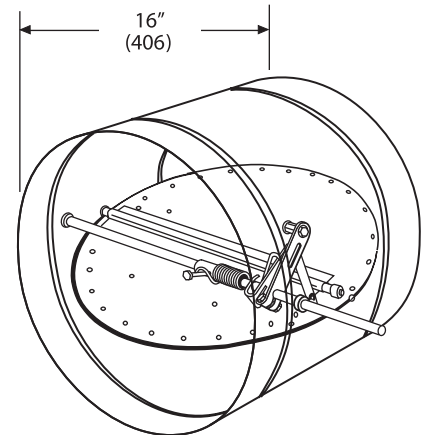
- The FSD-RD-211 series Combination Fire/Smoke Dampers have been designed and tested to exceed all U.L., U.L.C. and N.F.P.A. requirements for fire dampers as well as smoke dampers. They are intended for use where building codes call for the fire damper to also operate as a smoke damper.
- U.L. 555 and U.L.C. S112 listed and labelled as a 1½ hour fire damper.
- U.L. and U.L.C. listed for vertical and horizontal mountings.

- 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 factory for current information.
- Actuator shaft permits operation by any standard electric or pneumatic damper motor. Fusible link/actuator (DLT-1) provides an automatic override system 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.

**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.




Retaining Plate  
(2 Supplied)

LISTED AND LABELLED BY :



U.L. 555S CLASSIFIED  
AT 250°F OR 350°F  
DEPENDENT UPON  
MOTOR/OPERATOR  
\*SEE MOTOR/OPERATOR SCHEDULE

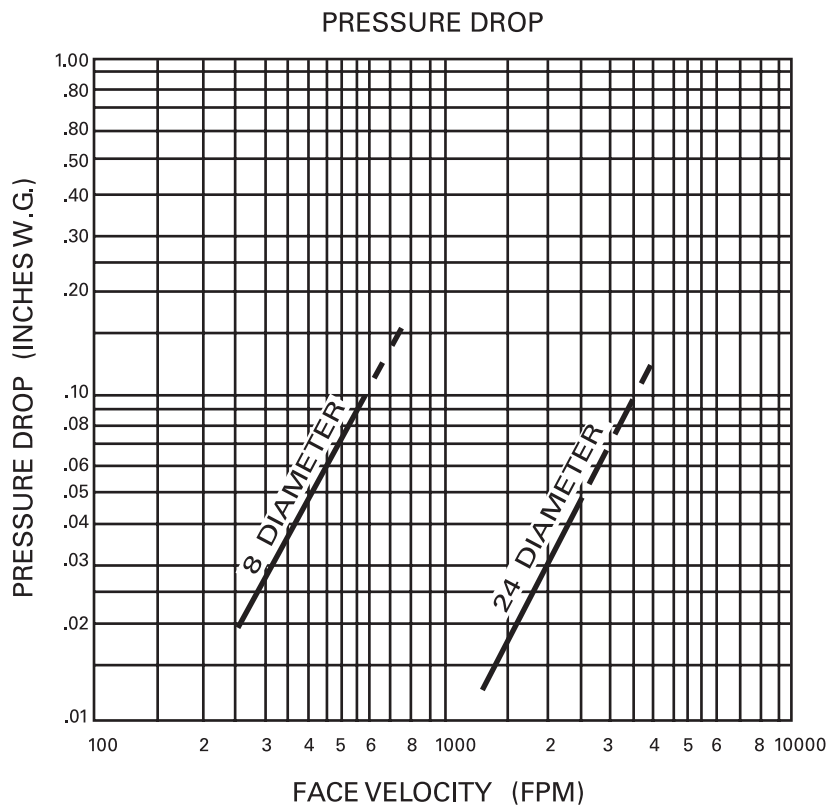
<b>PROJECT:</b>			
<b>ENGINEER:</b>			
<b>CUSTOMER:</b>			
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>		

■ **Model FSD-RD-211**  
U.L. 555S Classified  
Leakage Class 1  
True Round

**price**®

**Combination Fire/Smoke Damper, U.L. 555 Classified 1½ Hours**

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



## Combination Fire/Smoke Damper, U.L. 555 Classified 1½ Hours

### Model

Fire/Smoke Damper **FSD-RD-212**

### Standard Construction:

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

**Blades:** Double thickness galvanized steel, 14 ga. equivalent with welded channel reinforcement.

**Bearings:** Bronze Oilite press-fit into frame.

**Axles:** 3/8" (10mm) square plated steel.

**Jackshaft:** 1/2" (13mm) 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" (203mm - 610mm) diameter.

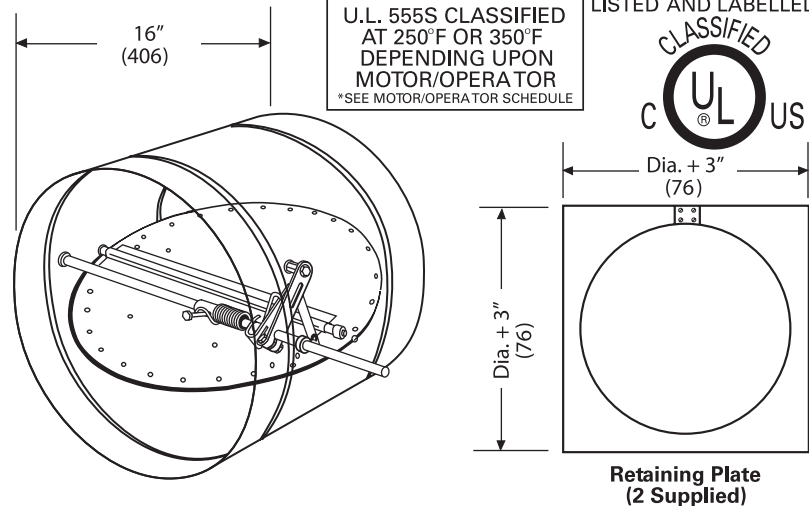
**Retaining Plates:** 2-20 ga. galvanized steel complete with angle clips.

### Note:

- Retaining plate on operator side of damper is installed at the factory.
- Dampers are furnished approximately 1/8" (3mm) smaller than given duct dimensions.

### Features

- The FSD-RD-212 series Combination 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 smoke damper.
- U.L. 555 and U.L.C. S112 listed and labelled as a 1½ hour fire damper.
- U.L. and U.L.C. listed for horizontal & vertical mountings.




- U.L. 555S/U.L.C. S112.1 listed and labelled as a Leakage Class II rated Smoke Damper with airflow in both directions. Class II provides for a maximum leakage of 20 cfm per sq. ft. at 4.0 inch static pressure. As we are constantly expanding our U.L./U.L.C. listings, we suggest you contact the factory for current information.
- Actuator shaft permits operation by any standard electric or pneumatic damper motor. Fusible link/actuator (DLT-1) provides an automatic override system to close and latch damper in the fire mode. Also available with automatic resettable/override release options: Model STO/R (single thermostat) 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.

### 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.

<b>PROJECT:</b>			
<b>ENGINEER:</b>			
<b>CUSTOMER:</b>			
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>		

■ **Model FSD-RD-212**  
U.L. 555S Classified  
Leakage Class 2  
True Round

**price**®

**Combination Fire/Smoke Damper, U.L. 555 Classified 1½ Hours**

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

