

(ENGINEERS)  
**SUBMITTAL DATA**  
**MODEL C-F/SR-1**

**CEILING DAMPER SQUARE AND ROUND**  
U.L.555C CLASSIFIED ASSEMBLIES AND ULC S112.2 LISTED  
Approved for 1-4 Hour Rated

### Application and Design

The Model C/FSR-1 is a square/rectangular UL Classified ceiling (radiation) damper, fabric blade style, with a round transition mounted to the top side approved for both steel duct and flex duct installations in approved UL ceiling designs that incorporate/show a hinged door damper requiring fire/heat protection where HVAC components penetrate the ceiling membrane. This damper has a low profile design that allows for installation in ceiling with restricted space as well as transitioning from a square neck diffuser to a round duct. The folded blade package allows for maximum free area and lowest pressure drop. These dampers provide protection up to 24" x 24" (610mm x 610mm) openings.

### Standard Construction

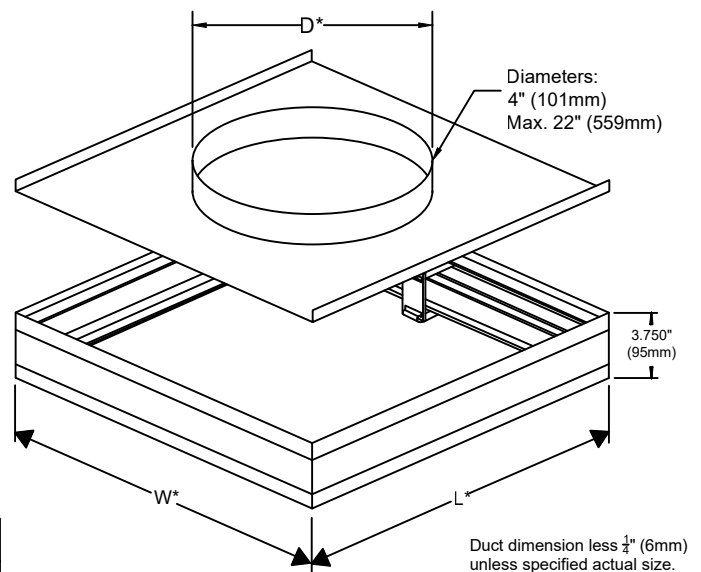
**Frame:** Roll formed. - 22 Ga. Galvanized Steel  
**Blades:** 22 Ga. - Galvanized Steel  
w/ U.L. Classified insulated fabric blades  
**Spring:** Stainless Steel negator  
**Fusible Link:** Replaceable 212°F (100°C) standard  
(others available)

C/FSR-1: one round transition - (Top)  
C/FSR-2: two round transitions - (Top and Bottom)

Designed and tested in accordance to standards: UL 555C, ULC S112.2.  
Labeled and listed by UL/ULC under File #R25411. They meet all the NFPA-90A, IBC Code, and other major code requirements for Ceiling (Radiation) Dampers.

☐ CK-2000-1: 1/8" Thick Thermal Blanket (24 X 24)

☐ CK-2000-1B: 1-1/4" Thick Batt-Mineral Wool Blanket (24 X 24)



**Standard Sizes (duct)**

| Min. Size                |                      | Max. Size                |                       |
|--------------------------|----------------------|--------------------------|-----------------------|
| L x W                    | D                    | L x W                    | D                     |
| 6" x 6"<br>152mm x 152mm | 4" Diameter<br>101mm | 6" x 6"<br>152mm x 152mm | 22" Diameter<br>559mm |

Note: Due to continued research, S&P reserves the right to change specifications without notice.

### SUGGESTED SPECIFICATIONS

Square to round ceiling dampers shall be Model C/FSR-1 or C/FSR-2 by S&P. Ceiling dampers shall bear the Underwriters' Laboratories label and be rated for both steel duct and flex duct installations. Ceiling dampers shall be of the non-asbestos, curtain-type for maximum free area.

### MANUFACTURER'S RECOMMENDATIONS

All moving parts of the damper must be inspected and cycled once the first year and at intervals not greater than every 4 years or in accordance with the latest edition of NFPA 90A, 92A, local codes and the manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended

Job Name:

Location:

Architect:

Engineer:

Contractor:



☐ **MODEL C-F/SR-1**

☐ **MODEL C-FSR-2**

DRAWN BY:

MAB

DATE:

11-7-07

REV. DATE:

4-7-26

REV. NO.

7

APPROVED BY:

DWG. NO.:

**D-6**