

(ENGINEERS)
SUBMITTAL DATA
MODEL C-S/R-HC

Ceiling Damper SQUARE AND RECTANGULAR
U.L.555C CLASSIFIED ASSEMBLIES AND ULC S112.2 LISTED
Approved for 1 Hour Rated

Application and Design

The Model C-S/R-HC is a square/rectangular, UL classified ceiling (radiation) damper, butterfly style, tested and specifically approved for specific UL ceiling design listed below incorporating wood joist and gypsum construction. UL designs specifically approved for this damper are L501, L502, L503, L506, L507, L508, L512, L513, L514, L516, L517, L519, 522, L523, L533, L545 AND ULC M500 series designs. These dampers provide protection up to 16" x 12" (406mm x 305mm) openings. Standard ceiling radiation designs approved to UL 555C standard are not acceptable to be used in designs mentioned above. Refer to UL Fire Resistance Directory for further details.

Standard Construction

Frame: Roll formed - 22 Ga. - Galvanized Steel

Blades: 22 Ga. - Galvanized Steel

Springs: Corrosion resistant steel spring

Fusible Link: Replaceable 212°F (100°C)
standard/ 165°F (74°C) Available

Round Inlet: 4", 5", 6"

Oval Inlet: 6", 8", 10"

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.

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

Max height includes insulation * $9\frac{1}{4}$ "

(+) L and W are actual I.D. Dimensions.

Assembly O.D. will add $\frac{1}{4}$ " to dimensions.

Standard Sizes (duct)

Shape	Min. Size	Max. Size
Rectangular C-S/R-HC	4" x 6" 101mm x 152mm	16" x 12" 406mm x 305mm

** Dampers less than 110 sq. in. are shipped without gypsum installed on plenum.

Gypsum shall be field supplied for damper and ceiling.

Dampers greater than 110 sq. in. are shipped with insulation factory installed on blades and plenum.

SUGGESTED SPECIFICATIONS

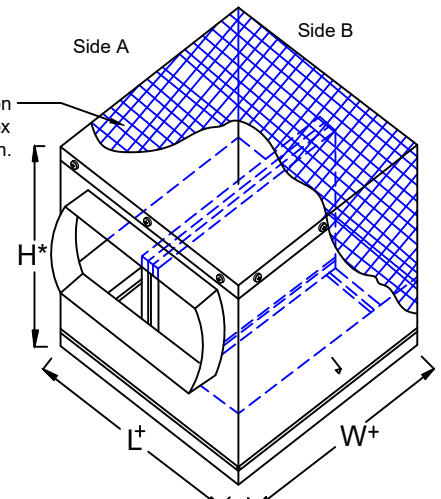
Ceiling dampers shall be S&P Manufacturing models C-S/R-HC. the dampers shall bear the UL label identifying them to be approved for use in a UL ceiling design LXXX. Dampers shall be listed in the UL Fire resistance Directory as being approved for use in the submitted ceiling being installed. These ceiling dampers shall be installed per the manufacturers installation instructions which were approved by Underwriters Laboratories. Approved dampers from other agencies are not permitted for approval on a UL system. Standard ceiling radiation dampers approved for use in place of hinged door dampers are not acceptable.

MANUFACTURER'S RECOMMENDATIONS

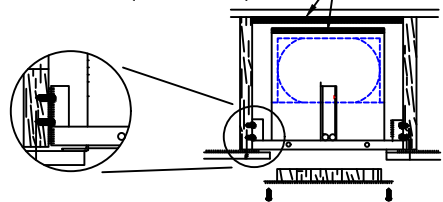
All moving parts of the damper must be inspected and cycled once the first year and at intervals not greater than every 4 years or in accordance with the latest edition of NFPA 90A, 92A, local codes and the manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants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



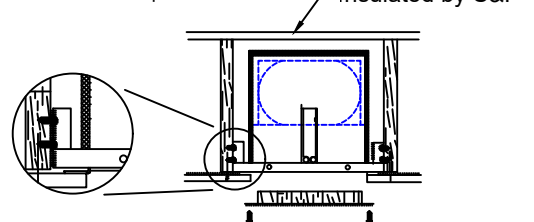
U.L. Classified Insulation wrap on outside of box (larger than 110sq. in.



Less than and Equal to 110 Sq. In. Gypsum by others



Greater than 110 Sq. In.



Job Name:

Location:

Architect:

Engineer:

Contractor:



☐ **MODEL C-S/R-HC**

☐ **MODEL C-S/R-HC-A**
(with volume Adjuster)

DRAWN BY:

MAB

DATE:

11-7-07

REV. DATE:

4-13-26

REV. NO.

6

APPROVED BY:

DWG. NO.:

P-95