

(ENGINEERS)
SUBMITTAL DATA
MODEL C-SR-WTP/C-SR-WTPS
(Field Supplied Plenum)

Ceiling Radiation Damper for wood truss systems
U.L.555C CLASSIFIED ASSEMBLIES AND ULC S112.2 LISTED

Approved for 1 Hour Wood Truss Floor/Ceiling Assemblies

Application and Design

The Model C-SR-WTP(S) is a rectangular UL Classified ceiling (radiation) damper, single blade or butterfly style, approved for steel duct, flex duct and ductless installations in approved UL ceiling/floor designs listed below**. These dampers provide protection up to 18" x 18" openings, or rectangular openings not exceeding 324" sq. inches (with limitations, see sizing chart). C-SR-WTP(S) dampers must have either a field assembled insulated duct board outlet box, a minimum 22 ga steel boot with side outlet, or minimum 26 ga steel insulated boot with side outlet installed on it to meet UL requirements.



Standard Construction

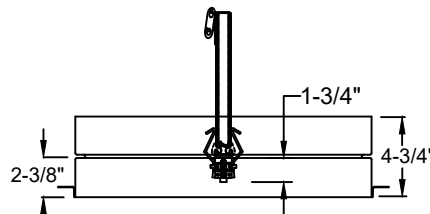
Frame: Galvanized Steel
(gauge as required by UL)

Blades: Galvanized Steel, uninsulated 80 sq. in. and under, sizes over 80 sq. in. insulated with 1/8" kaowool flex wrap non-quilted insulation (gauge as required by UL)

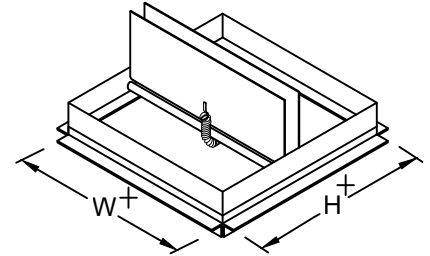
Springs: Corrosion resistant steel spring
Fusible Link: Replaceable 165°F (75°C) std.
(212° F optional)

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.

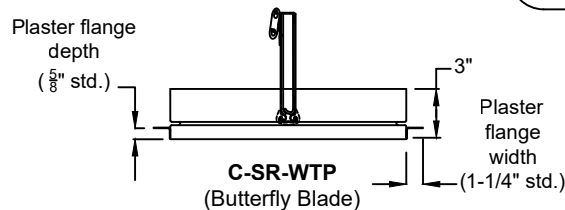
Note:
Due to continuing research, S&P reserves the right to change specifications without notice.



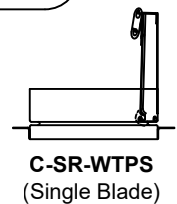
C-SR-WTP
shown with Adjustable Volume Controller
(Minimum 6" x 6" as shown)



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



UL approved with
steel and aluminum diffuser

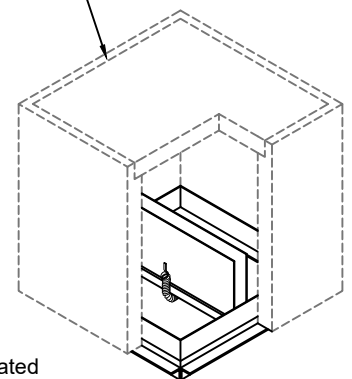


Options:

- ☐ Volume Adjustment (min. size: 6"x6")
- ☐ Boot Rail
- ☐ Alternate Plaster Flange
 - ☐ 1-1/4" deep x 1-1/4" wide
 - ☐ 2" deep x 1-1/4" wide
- ☐ Alternate 212° F (100°C) fusible link

**Intended for installation in Fire Resistance Design Nos. L546, L558, L574, L585, M520, P533, P538, P545, P547, & P559 as detailed in the UL Fire Resistance Directory and are similar to fire resistance rated ceiling constructions represented in the International Building Code. Contact factory regarding design nos. not listed above.

Field supplied
duct board plenum
shown



C-SR-WTP (butterfly) Standard Sizes

Min. Size (W x H)	Max. Size (W x H)
6" x 4" [152mm x 102mm]	18" x 18" sq. 457mm x 457mm
maximum rectangular size: 22" w or 20"h with a maximum area of 324 sq. in.	

C-SR-WTPS (single blade) Standard Sizes

Min. Size (W x H)	Max. Size (W x H)
6" x 4" [152mm x 102mm]	9" x 18" 229mm x 457mm

Job Name:

Location:

Architect:

Engineer:

Contractor:



☐ **MODEL C-SR-WTP**
(field supplied plenum, butterfly blades)

☐ **MODEL C-SR-WTPS**
(field supplied plenum, single blade)

DRAWN BY:

CLJ

DATE:

6-3-14

REV. DATE:

4-10-2026

REV. NO.

4

APPROVED BY:

DWG. NO.:

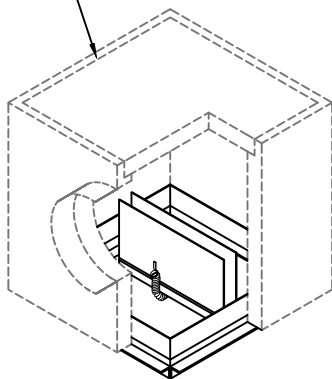
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(ENGINEERS)
SUBMITTAL DATA
MODEL C-SR-WTP(S)
Field Supplied Plenum Options

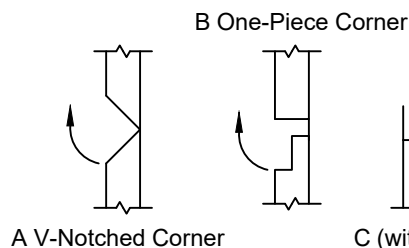
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A field applied duct board plenum box is to be made of UL 181 fiberglass duct board 1-2" thick, and sealed with UL 181 aluminum tape, at least 2½" wide. The box must be installed around the C-S/R-WTP(S) damper sleeve without any gaps and the plenum must not interfere with the damper's ability to function. The duct hole must be on one of the sides and cannot exceed 76.12 square inches.

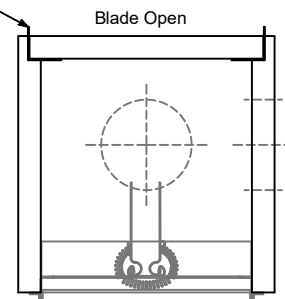
Field supplied
duct board plenum
shown



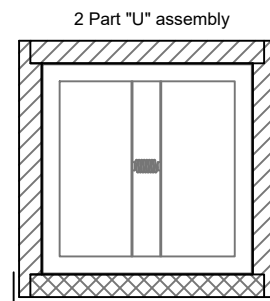
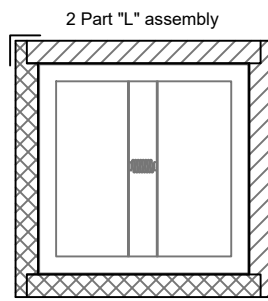
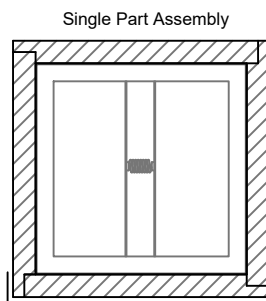
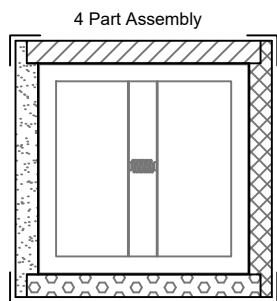
Qty. of 4 Minimum 18 ga galv. steel
hanging tabs (1 per corner, field supplied)
required if hanging wire or angle
installation method is to be used.



Standard Joints



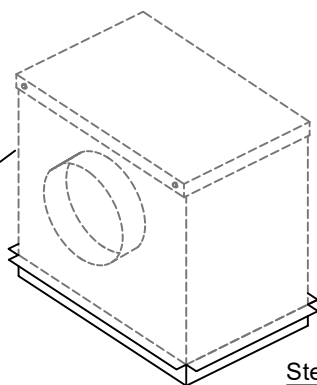
Top Connection
Assembly



Flaps

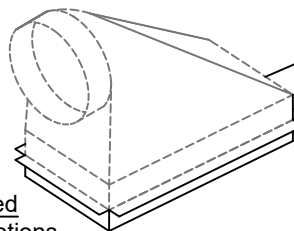
Side Connection
Assemblies

22 ga galvanized
plenum box with side
inlet (26 ga may be
used if wrapped with
1" insulation)



Field Supplied
Steel Plenum Options

22 ga galvanized rectangular to round
plenum box with side inlet
(26 ga maybe used if wrapped
with 1" insulation)



Job Name:

Location:

Architect:

Engineer:

Contractor:

☐ **MODEL C-SR-WTP(S) Field Supplied Plenum Options**



DRAWN BY:
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4-6-14

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2

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