



# MODEL FDD-C-S DYNAMIC FIRE DAMPERS

DYNAMIC CLOSURE MODEL W/ INTEGRAL SLEEVE — 1 1/2 or 3 HOUR

## Standard Construction:

- Frame:** 12" Roll Formed Galvanized Steel.
- Blades:** Roll Formed Galvanized Steel, Curtain-Type
- Springs:** Stainless Steel.
- Fusible Link:** U.L. Listed 165°F, and 212°F. available

### 1-1/2 Hr. Vertical:

- Min. Size:** 5"w X 3"h (127mm x 76mm)
- Max. Size:** 35"w X 31"h (889mm x 787mm)

### 1-1/2 Hr. Horizontal:

- Min. Size:** 5"w X 3"h (127mm x 76mm)
- Max. Size:** 23"w X 20"h (584mm x 508mm)

- Maximum Velocity:** 2000 fpm (10.2 m/s)
- Maximum Pressure:** 4" wg (1kPa)

## Optional Construction:

- 14" - 16" Sleeve/Frame
- Fully Sealed Sleeves
- 3 Hour Rating

**Note:** Sleeved dampers are furnished approximately nominal dimension size, unless otherwise noted.

"These Dampers are UL/ULC Approved For Use in Dynamic and Static Systems."

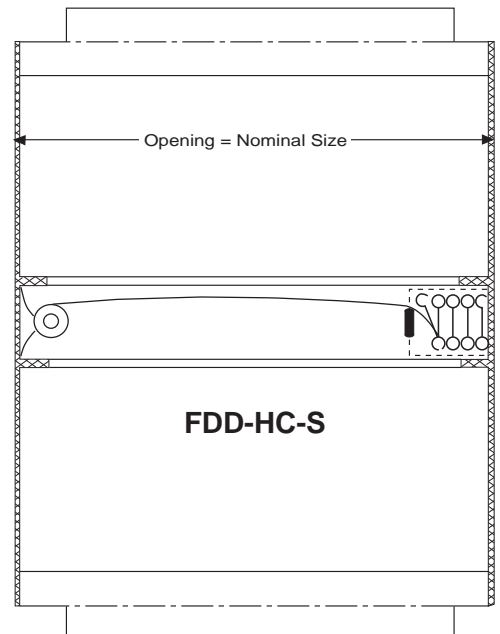
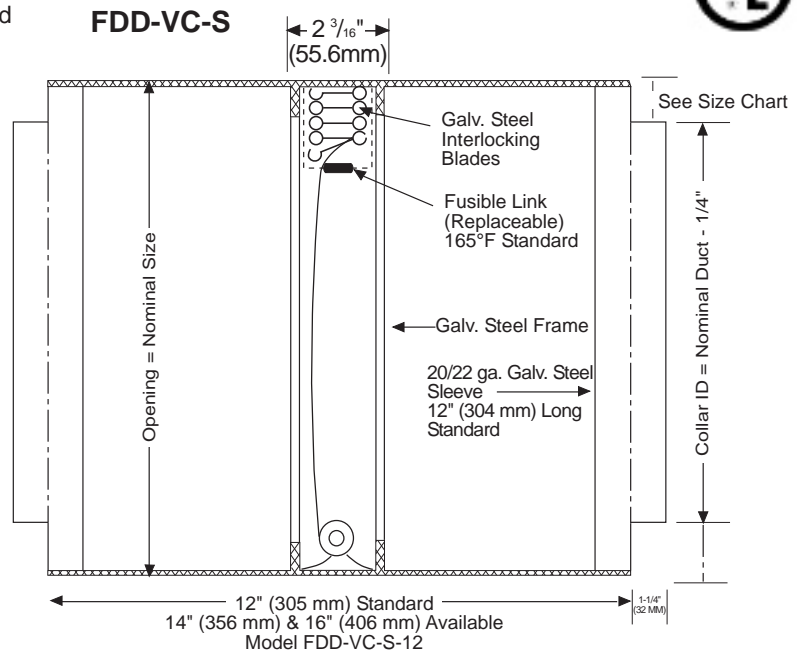
- FDD-(V/H)C-S SQ/RECTANGLE OPENING
- FDD-R(V/H)C-S ROUND OPENING
- FDD-R(V/H)C-LP-S ROUND OPENING - LOW PRESSURE
- FDD-(V/H)C-O-S OVAL OPENING
- FDD-(V/H)AR-S ROUND OPENING

### Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than 6-12 months the first year and then every 4 years after, or in accordance with the latest edition of NFPA 90A, 92A, local codes. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.

LISTED AND LABELLED BY:



FDD-C-S - 01-08

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. © 2007 NCA Manufacturing

Project: \_\_\_\_\_ Contractor: \_\_\_\_\_

Location: \_\_\_\_\_ Address: \_\_\_\_\_

Architect: \_\_\_\_\_ P.O. Number: \_\_\_\_\_

Engineer: \_\_\_\_\_ Date: \_\_\_\_\_



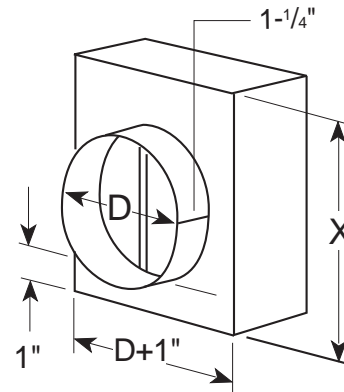
**MODEL FDD-C-S  
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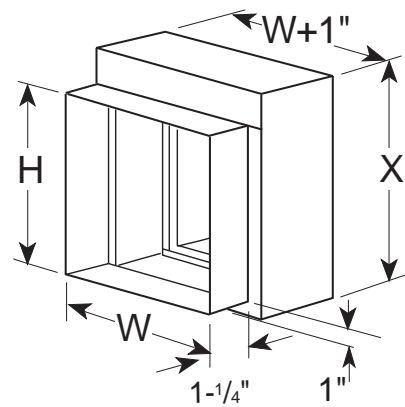
**SIZE CHART**

Duct Height	Type C-R, C-S/R & C-OV Damper Height
Inches	Inches
3	6
4	7
5	8
6	9
7	10
8	11
9	12
10	13
11	14
12	15
13	16
14	17
15	18
16	19
17	20
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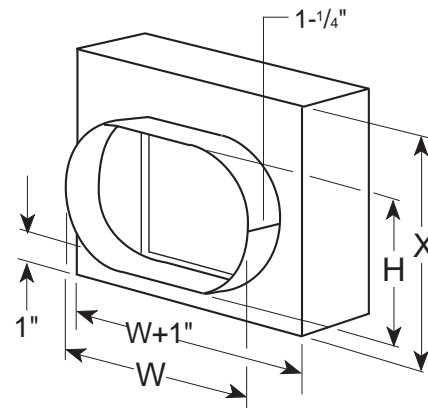
**FDD-R(V/H)C-S**



**FDD-(V/H)C**



**FDD-(V/H)C-O**



X = DAMPER HEIGHT

W = Width (Duct)  
H = Height (Duct)  
X = Variable (See Size Chart)

FDD-C-S - 07-07