

FIRE DAMPERS AND OVAL ACCESS DOORS

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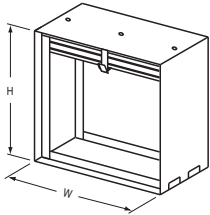
FIRE DAMPERS AND OVAL ACCESS DOORS

INTRODUCTION

TYPES OF CURTAIN FIRE DAMPERS

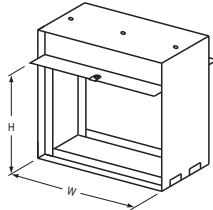
Curtain type fire dampers are generally available in three configurations as follows:

TYPE 'A'



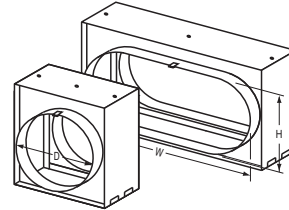
Blades and frame in the airstream.

TYPE 'B'



Blades out of the airstream; With blades out of airstream, provides better free area and resulting pressure drop characteristics than Type 'A', especially on smaller size dampers.

TYPE 'C'



Blades and frame out of the airstream; used mainly for transitioning to round or oval duct. Provides optimum pressure drop characteristics with blades and frame out of airstream.

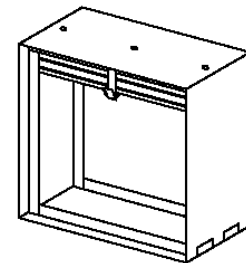
Openings in vertical fire separations ie: **walls** and **partitions**, require a **vertical mount** fire damper (duct runs horizontally). Gravity causes the blades to drop closed (static rated dampers).

Openings in horizontal fire separations ie: **floors**, require a **horizontal mount** fire damper (duct runs vertically). Horizontal mount fire dampers utilize springs to pull the blades closed.

CURTAIN FIRE DAMPERS

TYPE 'A' VERTICAL FIRE DAMPERS — 4"

ITEM #	SIZE (")	TYPE
703263	6 × 6	A-VERT-4"
703232	8 × 6	A-VERT-4"
703264	8 × 8	A-VERT-4"
703430	10 × 4	A-VERT-4"
703233	10 × 6	A-VERT-4"
703234	10 × 8	A-VERT-4"
703265	10 × 10	A-VERT-4"
703236	12 × 6	A-VERT-4"
703237	12 × 8	A-VERT-4"
703238	12 × 10	A-VERT-4"
703239	12 × 12	A-VERT-4"
703240	14 × 6	A-VERT-4"
703241	14 × 8	A-VERT-4"
703242	14 × 10	A-VERT-4"
703243	14 × 12	A-VERT-4"
703244	14 × 14	A-VERT-4"
703245	16 × 8	A-VERT-4"
703246	16 × 10	A-VERT-4"
703247	16 × 12	A-VERT-4"
703266	16 × 16	A-VERT-4"



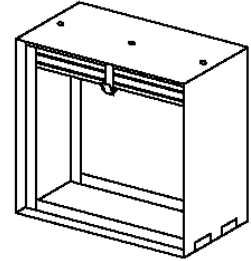
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FIRE DAMPERS AND OVAL ACCESS DOORS

CURTAIN FIRE DAMPERS *(cont'd)*

TYPE 'A' VERTICAL FIRE DAMPERS — 4" *(cont'd)*

ITEM #	SIZE (")	TYPE
703268	18 × 18	A-VERT-4"
703470	20 × 8	A-VERT-4"
703249	20 × 10	A-VERT-4"
703270	20 × 20	A-VERT-4"
703259	22 × 8	A-VERT-4"
703482	22 × 10	A-VERT-4"
703248	24 × 10	A-VERT-4"
703494	24 × 12	A-VERT-4"
703272	24 × 24	A-VERT-4"

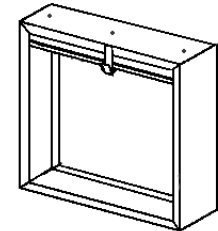


TYPE 'A' HORIZONTAL FIRE DAMPERS — 4"

ITEM #	SIZE (")	TYPE
703444	10 × 10	A-HORZ-4"
703448	16 × 8	A-HORZ-4"
703445	12 × 6	A-HORZ-4"
703462	18 × 12	A-HORZ-4"

TYPE 'A' VERTICAL SLIMLINE FIRE DAMPER — 2"

ITEM #	SIZE (")	TYPE
703267	16 × 16	A-VERT-2"
703271	22 × 22	A-VERT-2"



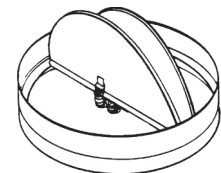
TYPE 'A' HORIZONTAL SLIMLINE FIRE DAMPER — 2"

ITEM #	SIZE (")	TYPE
703262	10 × 4	A-HORZ-2"

CEILING FIRE STOP FLAPS — BUTTERFLY — ROUND

Spring loaded with fusible link.

ITEM #	MODEL	SIZE (")	DESCRIPTION
703253	0722	4	Fire Stop Flap
703255	0722	5	Fire Stop Flap
703250	0722	6	Fire Stop Flap
703251	0722	7	Fire Stop Flap
703252	0722	8	Fire Stop Flap
703254	0722	10	Fire Stop Flap
703256	0722	12	Fire Stop Flap
703258	0722	14	Fire Stop Flap

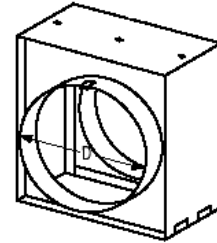


FIRE DAMPERS AND OVAL ACCESS DOORS

CURTAIN FIRE DAMPERS *(cont'd)*

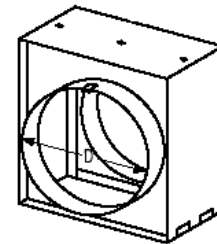
TYPE 'C' ROUND NECK HORIZONTAL FIRE DAMPERS

ITEM #	SIZE (")	DESCRIPTION
703278	4	Type C Round Neck
703279	5	Type C Round Neck
703280	6	Type C Round Neck
703281	7	Type C Round Neck
703282	8	Type C Round Neck
703284	10	Type C Round Neck
703286	12	Type C Round Neck
703288	14	Type C Round Neck
703273	16	Type C Round Neck
703274	18	Type C Round Neck
703275	20	Type C Round Neck



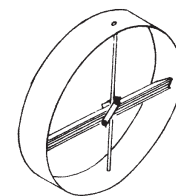
TYPE 'C' ROUND NECK VERTICAL FIRE DAMPERS

ITEM #	SIZE (")	DESCRIPTION
703292	4	Type C Round Neck
703294	5	Type C Round Neck
703296	6	Type C Round Neck
703297	7	Type C Round Neck
703298	8	Type C Round Neck
703300	10	Type C Round Neck
703302	12	Type C Round Neck
703304	14	Type C Round Neck
703305	16	Type C Round Neck
703306	18	Type C Round Neck
703309	24	Type C Round Neck

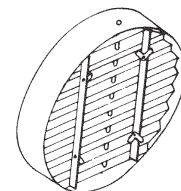


TYPE 'C' ROUND NECK DUAL RATED FIRE DAMPERS

ITEM #	MODEL	SIZE (")	DESCRIPTION
703311	RHC	4	Dual Rated
703312	RHC	5	Dual Rated
703313	RHC	6	Dual Rated
703314	RHC	7	Dual Rated
703315	RHC	8	Dual Rated
703316	RHC	10	Dual Rated
703317	RHC	12	Dual Rated
703318	RHC	14	Dual Rated
703319	RHC	16	Dual Rated
703320	RHC	18	Dual Rated



Open Position



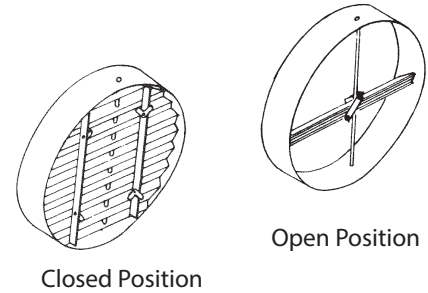
Closed Position

FIRE DAMPERS AND OVAL ACCESS DOORS

CURTAIN FIRE DAMPERS (cont'd)

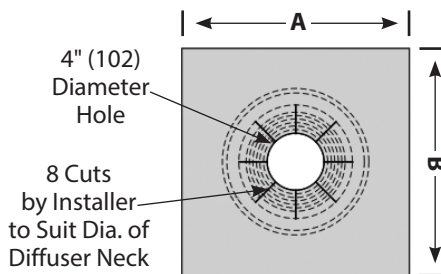
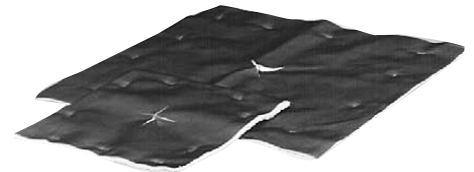
TRUE ROUND FIRE DAMPERS

ITEM #	MODEL	SIZE (")
714504	R19	4
714505	R19	5
714506	R19	6
714508	R19	8
714510	R19	10
714512	R19	12

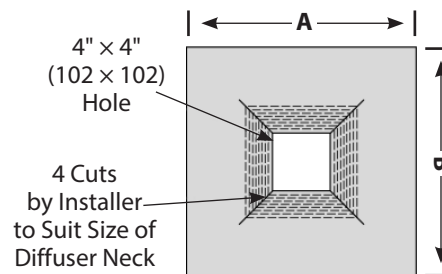


THERMAL BLANKETS (NAILOR)

Models 0725 and 0726 Thermal Blankets are designed to insulate the exposed back pan area of a steel ceiling diffuser that may be used in UL Classified floor/ceiling or roof/ceiling assemblies with up to a 3 hour rating. The insulation protects the floor/roof structure above from the intense heat that radiates through the diffuser pan during fire conditions. A thermal blanket is used in conjunction with a ceiling radiation damper that protects the neck opening of the diffuser, to provide complete protection of the opening in the ceiling membrane. Model 0725 thermal blanket is for use with 0722 ceiling damper models in round neck applications. Model 0726 thermal blanket is for use with 0714, 0716 and 0720 ceiling damper models in square neck applications.



Model 0725
For Round Applications



Model 0726
For Round Applications

ITEM #	CEILING DIFFUSER NOMINAL SIZE		METRIC MODULES MM	BLANKET SIZE A x B	
	IMPERIAL MODULES INCHES	MM		IMPERIAL AND METRIC MODULES INCHES	MM
703310	24 x 24	610 x 610	600 x 600	28 x 28	711 x 711

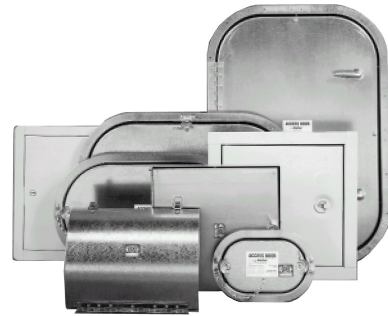
NOTE:

1. Insulation: Non-asbestos UL Classified.
2. For use on the back of steel lay-in diffusers up to 24" x 24" (610 x 610) nominal face size.
3. Installer to make cuts, as shown, to the desired size of the diffuser neck.

FIRE DAMPERS AND OVAL ACCESS DOORS

ACCESS DOORS (NAILOR)

Fire dampers need inspecting and testing, coils need cleaning and controls need adjusting. The Nailor range of duct access doors has been designed to allow easy and convenient access to such equipment within HVAC ductwork, while providing a secure, positive seal when closed. The economical 08SCL and 08SH models afford quality double skin construction that meets SMACNA requirements, with quick simple installation. The ultra-low leakage 0800 Flat Oval Series provides premium quality that optimizes access area and installs firmly. For round duct applications, the 0890 and 0895 models provide easy mounting and positive closure. All models are available in a wide variety of sizes to suit each specific application.



Features

- Rugged die-formed frames for maximum strength.
- Die-formed double wall door panels.
- Progressive action, zinc plated camlocks for secure closure.
- 1" (25) insulation for reduced noise and heat transfer.
- Bulb door seal or polyethylene gaskets for positive seal.
- Sizes and models to suit most applications.
- Several easy mounting methods to suit duct type.
- Available hinges, safety chains and viewports.

Other models include positive pressure duct access doors, drywall access doors and fire-rated access doors.

0800 SERIES — MOUNTING TYPE M1 DOUBLE FLANGE

- Flat oval
- Premium performance
- Ultra-low leakage
- Ergonomic sizing
- Insulated



The 0800 Series Flat Oval duct access doors were developed to provide a premium quality, ultra-low leakage door with optimum ergonomics in mind. The unique oval shape was designed after careful study of the needs of site engineering and maintenance personnel. Each door allows a different degree of access, enabling the most appropriate unit to be specified, depending on duct size and likely maintenance requirements. The 0800 Series is available in two frame styles for use with steel duct: a double flange screw hole mounting type (M1) or a knock-over tab type (M2). Both styles come with a cut-out template making the oval shape openings extra easy to cut. The rugged die-formed frame, die formed double skin door panel with secure continuous bulb seal gasket, and progressive camlock operation make the 0800 Series a solid performer. These doors are continuously batch tested to 8" w.g. (2 kPa) static pressure in order to meet British Standard DW142 Class C for leakage.

Stamped Oval Access Doors — Insulated 0800 Series for Rectangular Duct

ITEM #	MODEL	SIZE (")	DESCRIPTION
703198	0805-M1-IN	8 × 5	Flanged Door
703200	1206-M1-IN	12 × 6	Flanged Door
703204	1810-M1-IN	18 × 10	Flanged Door
703212	2114-M1-IN	21 × 14	Flanged Door
703224	2517-M1-IN	25 × 17	Flanged Door

FIRE DAMPERS AND OVAL ACCESS DOORS

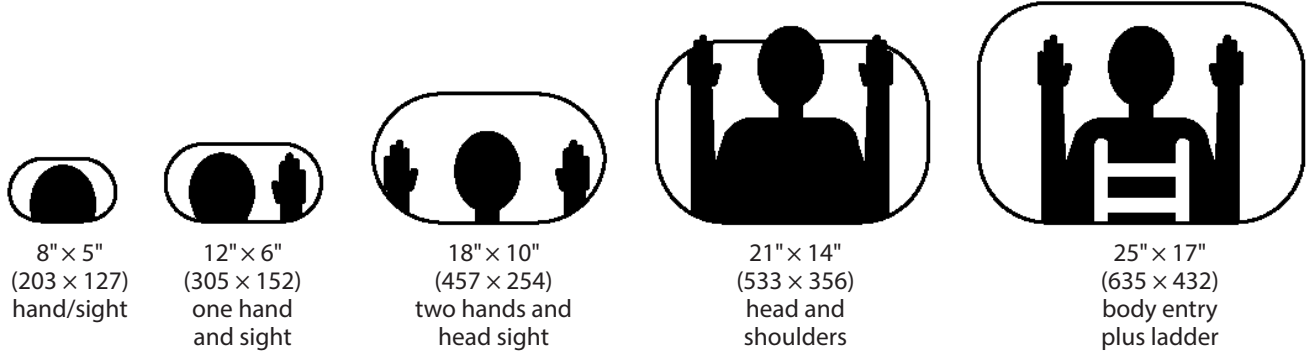
ACCESS DOORS (NAILOR) *(cont'd)*

0800 SERIES — MOUNTING TYPE M1 DOUBLE FLANGE *(cont'd)*

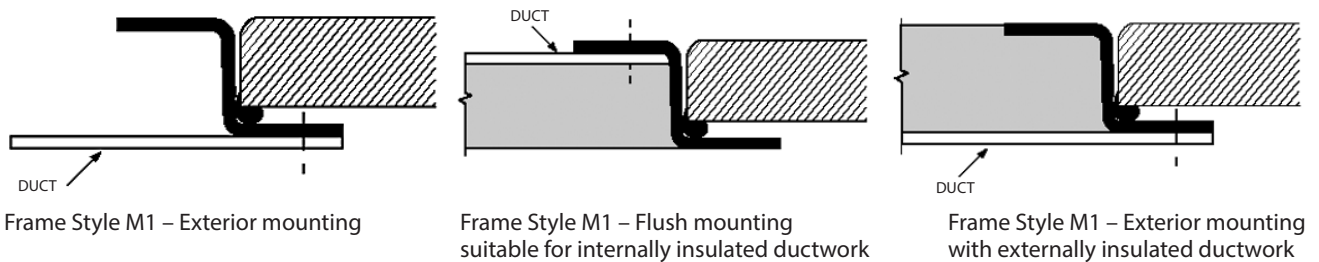
Ergonomic Sizing Guide

Use the following guide to select appropriate access door size.

Suitable for use in high, medium, and low pressure duct systems.



Mounting Positions



FIRE DAMPERS AND OVAL ACCESS DOORS

ACCESS DOORS (NAILOR) *(cont'd)*

0890 SERIES — LOW PRESSURE ROUND DUCT ACCESS DOOR (HINGED)

Model 0890 is an economical round duct access door, suitable for use in low pressure systems. A continuous piano hinge permits the door to swing open fully, allowing unobstructed access to the duct, while the zinc plated strikes and catches, and polyurethane foam gasketing provide a tight, positive seal.

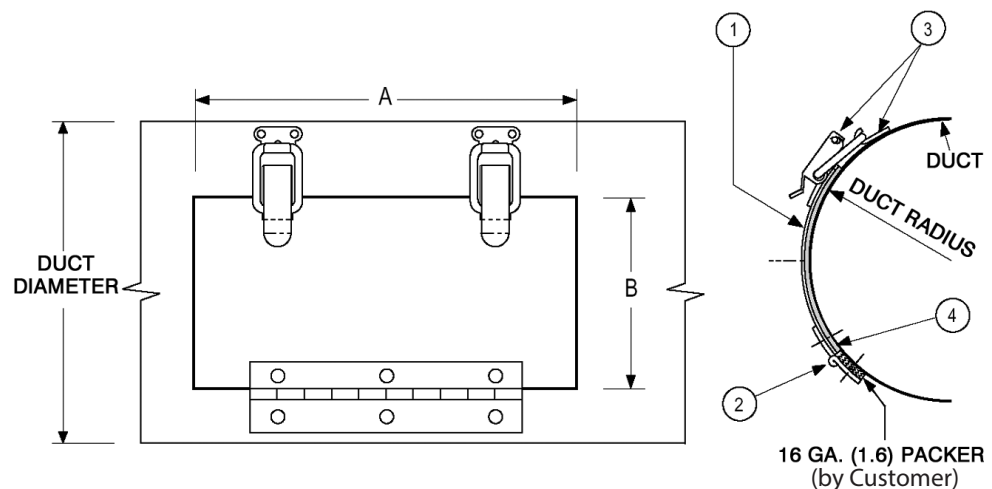


SPECIAL APPLICATION ACCESS DOORS — NON INSULATED — 0890 SERIES FOR ROUND DUCT

ITEM #	MODEL	SIZE (")	DUCT SIZE (")
703160	0890	7 × 4	5
703166	0890	8 × 5	6
703170	0890	9 × 6	7
703176	0890	10 × 7	8
703180	0890	12 × 9	10
703182	0890	14 × 10	12
703184	0890	16 × 12	14
703185	0890	16 × 12	16
703186	0890	18 × 14	18
703188	0890	18 × 16	20
703190	0890	18 × 16	24

Dimensional Data

DUCT DIAMETER (")	DOOR SIZE (") A × B
5	7 × 4
6	8 × 5
7	9 × 6
8	10 × 7
9	11 × 8
10	12 × 9
12	14 × 10
14	16 × 12
16	16 × 12
18	18 × 14
20	18 × 16
24	18 × 16



Construction Details

1. Duct access door 16 ga. galvanized steel.
2. Door hinge.
3. Strike and catch. Zinc plated steel.
4. Gasket.
5. Other sizes are available. Contact your local ECCO Supply™ Sales Branch for more information.