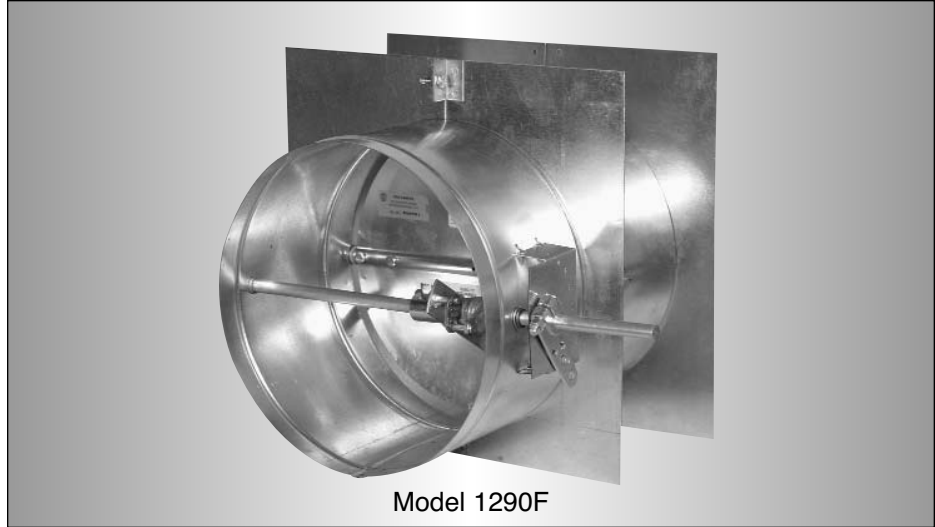


- ROUND FIRE DAMPER
- FOR USE IN STATIC SYSTEMS
- UL 555 CLASSIFIED
- 1 1/2 HOUR LABEL

MODEL: 1290F



Model 1290F

The new Nailor 1290F round fire damper is suitable for use where building codes require a fire damper for protecting ductwork penetrations in walls or floors that have a fire resistance rating of up to 2 hours. The 1290F is an economical true round fire damper designed and qualified for point-of-origin fire containment where round ductwork passes through metal stud drywall partitions or masonry walls. Features of the 1290F include the industry proven over-center/knee lock design with high torque spring/fusible link closure which provides fail-safe security under fire conditions. Each damper is supplied as standard with retaining plates for fast secure installation and a hand locking quadrant which holds the damper in the fully open position, but may also be used for system balancing if required.

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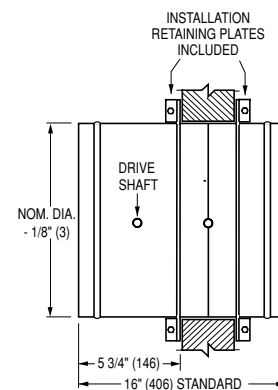
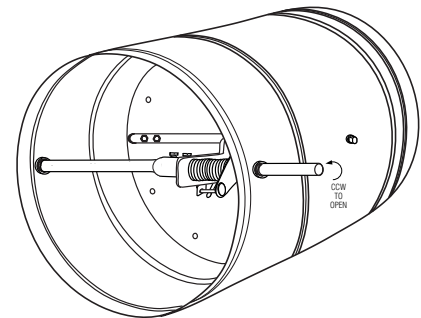
MULTI-BLADE FIRE DAMPERS

QUALIFICATIONS:

- UL 555 Classified Fire Damper - 1 1/2 hr. Label (File #9492).
- Meets NFPA 90A, NFPA 92A, BOCA, SBCCI, UBC and IBC requirements.

CONSTRUCTION DETAILS:

- FRAME:** 20 gauge (1.0) galvanized steel integral sleeve and retaining plates.
- BLADE:** 2 x 20 (1.0) gauge galvanized steel laminated together, 14 gauge (2.0) equivalent thickness.
- LINKAGE:** Jackshaft to blade.
- BEARINGS:** 1/2" (13) dia. self-lubricating oilite bronze.
- AXLES:** 1/2" (13) dia. plated steel double bolted to blades.
- JACKSHAFT:** 1/2" (13) dia. cadmium plated steel. Supplied with factory mounted hand locking quadrant.
- FUSIBLE LINK:** 165°F (74°C) standard. 212°F (100°C) available.
- AVAILABLE SIZES:** 6" (152) through 18" (457) diameter in nominal 1" (25) increments. Vertical or horizontal installation.

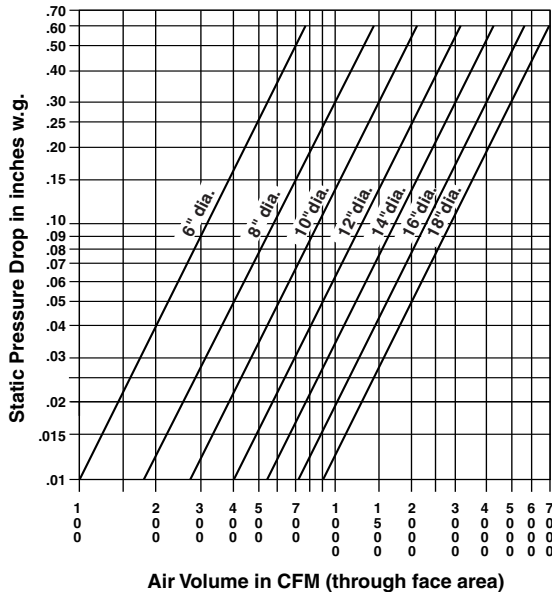


Wall Thickness	Minimum Sleeve Length
4 to 8 (102 to 203)	16 (406)
10 to 12 (254 to 305)	19 (483)
14 to 16 (356 to 406)	23 (584)

MODEL: 1290F

PERFORMANCE DATA:

PRESSURE DROP (damper fully open)



Tested per AMCA standard 500-D, Fig. 5.3.

Imperial figures shown.
To convert to SI
(metric) system:

Multiply:

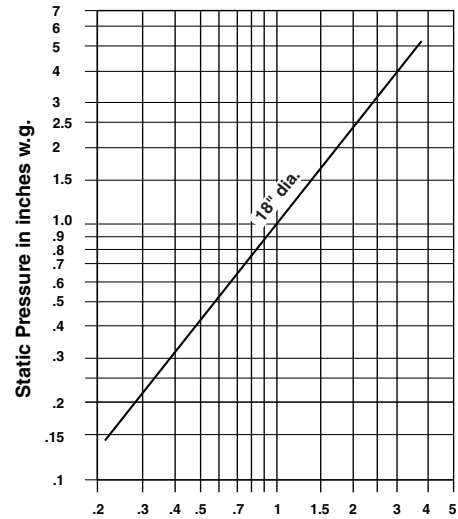
CFM x .4719 = liters
per second

inches w.g. x .2486
= kilopascals

fpm x .00508 = meters
per second

cfm per sq. ft. x 5.08 =
liters/second per
sq. meter.

AIR LEAKAGE (damper closed)



Tested per AMCA standard 500-D, Fig. 5.5.

HOW TO SPECIFY

SUGGESTED SPECIFICATION:

MODEL: 1290F

Provide and install, as shown on plans and/or schedules True Round Fire Dampers, as manufactured by Nailor Industries, meeting or exceeding the following criteria: Frame/integral sleeve shall be roll-formed from 20 ga. (1.0) galvanized steel, beaded for structural strength and grooved to accept 20 ga. (1.0) galvanized steel retaining plate. Required sleeve length shall be field verified by contractor. Each damper shall be complete with retaining plate and 20 ga. (1.0) galvanized steel damper plate, supplied by the damper manufacturer to ensure proper fit and installation. Blade shall be of two 20 ga. (1.0) galvanized steel pieces laminated together with an equivalent thickness of 14 ga. (2.0). Blades axles shall be 1/2" (13) dia. plated steel double bolted to blade. Hex or square friction-fit or press-fit axles are not acceptable. Bearings shall be self lubricating oilite bronze type.

Fire dampers shall meet the requirements of NFPA 90A and shall be manufactured, tested and labeled in accordance with UL 555 Safety Standard for Fire Dampers – Sixth Edition, June 1999 and shall have a 1 1/2 hour fire resistance rating.

Each fire damper shall bear a UL label verifying fire resistance rating in addition to the intended mounting position.

Each fire damper shall be complete with a **(specifier select one)** 165°F (74°C) or 212°F (100°C) UL listed fusible link that will cause the damper to close and lock in closed position by means of an over-center/knee lock linkage for assured closure. Each fire damper shall be supplied with a manual quadrant for setting and locking of blades in desired position. Contractor shall provide and install an access door at each fire damper, of appropriate size to allow for inspection, testing and fusible link replacement. Information submitted for approval shall include independent pressure drop data and confirmation of UL qualifications in addition to manufacturer's installation instructions. Each shipment of fire dampers shall include same installation instructions. Standard of acceptance: Nailor Industries Model 1290F.

ROUND FIRE DAMPER

MODELS: 1290F

VARIABLES/ACCESSORIES

VARIABLES:	CODE	DESCRIPTION
MOUNTING:	V	Vertical Mount (wall)
	H	Horizontal Mount (floor)
CLOSURE DEVICE:	FL	Fusible Link
CLOSURE TEMP.:	165	165°F (74°C)
	212	212°F (100°C)
SLEEVE LENGTH:	Specify Sleeve Length:	Minimum sleeve length is 16" (406). (supplied as standard)
ACCESSORIES:	CODE	DESCRIPTION
POSITION INDICATOR:	300	MLS-300 Switch Pack

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MULTI-BLADE FIRE DAMPERS

HOW TO ORDER

ROUND FIRE DAMPER

MODEL: 1290F

HOW TO ORDER:

Select model number and size, then select from each variable as applicable. Choose accessories as desired. See above for description of variables and accessories.

MODEL	SIZE (DIA.)	MOUNTING	CLOSURE DEVICE	CLOSURE TEMP. *	SLEEVE LENGTH **	ACCESSORIES
1290F	ie: 12" or 305 (mm) dia.	V H	FL	165 212	SPECIFY LENGTH	300

- Notes: 1. * 165° F (74° C) fusible link is supplied as standard.
 2. ** Standard sleeve is 16" (406) long (suitable for 4" (102) up to 8" (203)).