



COMBINATION FIRE/SMOKE DAMPER
1 1/2 HOUR LABEL • LEAKAGE CLASS I OR II
ROUND DUCT CONNECTION
MODEL: 1273
(TYPE C SLEEVE ENCLOSURE)



QUALIFICATIONS:

- **UL 555 & CAN/ULC-S112 CLASSIFIED DYNAMIC FIRE DAMPER**
1 1/2 hr. Label (File # R9492).
- **UL 555S & CAN/ULC-S112.1 CLASSIFIED SMOKE DAMPER**
Leakage Class I or II at 250°F or 350°F elevated temperature (File # R9492).
- **California State Fire Marshal: Fire Damper Listing No. 3225-0935:106.**
- **City of New York Board of Standards and Appeals. Cal. No. 460-88-SA.**
- **Meets NFPA 80, 90A, 92A, 92B, 101 and 105 as well as IBC and NBC (Canada) Building Code requirements.**
- **Maximum velocity 2000 fpm @ 4" w.g.**

The 1270 Series dampers are ideal for applications where building codes require both a fire damper for the protection of ductwork penetrations in walls or floors that have a fire resistance rating of up to 2 hours and also require a leakage rated damper for operational smoke control in static or dynamic smoke management systems.

The 1270 Series has been especially designed and tested to offer a rugged cost effective damper well suited to the majority of commercial applications.

STANDARD SPECIFICATION:

- Frame:** 5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel hat channel.
Blades: 6" (152) wide on 5 1/2" (140) centers. 16 ga. (1.6) galvanized steel vee groove or double-skin design.
Linkage: Concealed in frame. 12 ga. (2.7) plated steel.
Bearings: 1/2" (13) dia. self-lubricating oilite bronze.
Axles: 1/2" (13) dia. plated steel bolted to blades.
Jackshaft: 1/2" (13) dia. cadmium plated steel.
Jamb Seals: Stainless steel.
Blade Seals: Silicone on vee groove blade.

Heat Responsive Device (Controlled Closure):

ERL (Electric Resettable Link) is standard on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.

PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.

Min. Duct Size: Vertical or Horizontal mount: 4" (102) diameter. (Overall damper size is 8" x 8" [203 x 203] min.).

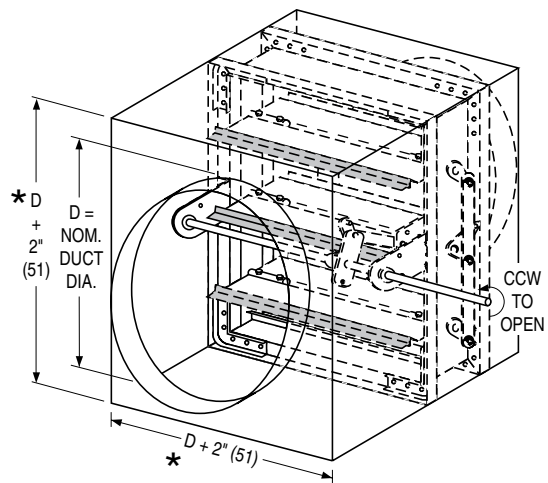
Max. Duct Size: Single Section
 Vertical mount: 34" (864) diameter.
 Horizontal mount: 28" (711) diameter.
 Multiple Section Assembly
 Vertical mount: 46" (1168) diameter.
 Horizontal mount: 38" (965) diameter.

SLEEVE/ENCLOSURE SELECTION:

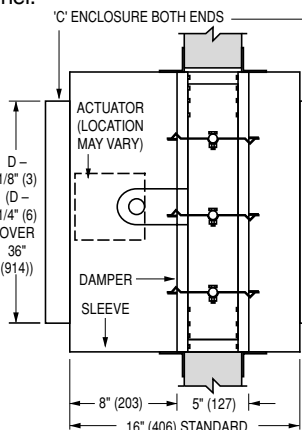
- 1273** Standard factory sleeve (caulked to UL requirements) 16" long x 20 ga. (406 x 1.0).
- 1273** Non-standard sleeve. Specify _____ length _____ ga. Available up to 36" (914) dependent upon wall thickness and 10 through 20 ga. (3.5 through 1.0).

LEAKAGE CLASS / ELEVATED TEMPERATURE:

- I II @ 250°F (Standard)
- I II @ 350°F (Optional)



* or 8" (203) min.



Wall Thickness	Minimum Sleeve Length
4 (102)	16 (406)
8 (203)	20 (508)
12 (305)	24 (610)
16 (406)	28 (711)

ACTUATOR SELECTION:

- Electric** **Pneumatic** Specify model _____.

ACTUATOR LOCATION :

- External** (std.) **Internal** (in the airstream)

ACTUATOR FAIL POSITION: Closed.

OPTIONS:

- BS** Stainless steel bearings
- MLS-300** Position indicator switch pack
- MLS-400** Electric Fire Sensor (Re-openable control system). Includes dual heat sensors (165°F and 250°F or 350°F) and position indicator switch pack.
- QS1** Quick-set retaining angle (one side)
- QS2** Quick-set retaining angles (two sides)

For installation instructions, see IOM-1270INST.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm)

DATE	B SERIES	SUPERSEDES	DRAWING NO.
10 - 16 - 24	1200	4 - 28 - 11	1270-3