



**STAINLESS STEEL ROUND COMBINATION
FIRE/SMOKE DAMPER**
1 1/2 HR. LABEL • VERT. OR HORIZ.
FOR USE IN DYNAMIC OR STATIC SYSTEMS
MODEL: 1290FS-SS



QUALIFICATIONS:

- **UL 555 & CAN/ULC-S112 CLASSIFIED DYNAMIC FIRE DAMPER** 1 1/2 hr. Label (File # R9492).
- **UL 555S CLASSIFIED SMOKE DAMPER (File # R9492)** Leakage Class I at 250°F or 350°F elevated temperature.
- **Meets NFPA 80, 90A, 92, 101 and 105 as well as IBC and NBC (Canada) Building Code requirements.**
- **City of New York. MEA # 366-03-M.**
- **California State Fire Marshal: Fire Damper Listing No. 3225-0935:0106.**
- **Maximum velocity: 2000 fpm @ 4" w.g. (10 m/s @ 1 kPa).**

Model 1290FS-SS damper is ideal for high humidity or mildly corrosive 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 1290FS-SS damper is a true round combination fire/smoke damper designed and qualified for round ductwork passing through metal or wood stud drywall partitions and masonry walls or floors. The 1290FS-SS offers the lowest leakage class available and is qualified for installation with airflow in either direction. Available in either Type 304 or 316 stainless steel.

STANDARD CONSTRUCTION:

- Frame:** 20 ga. (1.0) stainless steel integral sleeve and retaining plates.
- Blades:** 2 x 20 ga. (1.0) stainless steel laminated together. 14 ga. (2.0) equivalent thickness.
- Linkage:** Stainless steel; Jackshaft to blade.
- Bearings:** 1/2" (13) dia. stainless steel.
- Axles:** 1/2" (13) dia. stainless steel double bolted to blades.
- Jackshaft:** 1/2" (13) dia. stainless steel.
- Blade Seal:** Silicone rubber. Peripheral gasket sandwiched between two piece 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 (177°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.

Sizes (Duct Dia.):

| Minimum | Maximum |
|---------------|----------------|
| 6" (152) dia. | 24" (610) dia. |

Note: Dampers available in 2" (51) increments.

CONSTRUCTION TYPE:

- 304** Type 304 Stainless Steel construction (Standard)
- 316** Type 316 Stainless Steel construction (Optional)

LEAKAGE CLASS / ELEVATED TEMPERATURE:

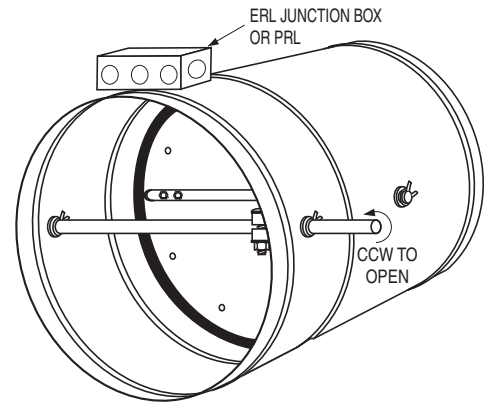
- 250°F** (Standard)
- 350°F** (Optional)

DYNAMIC VELOCITY / PRESSURE RATING:

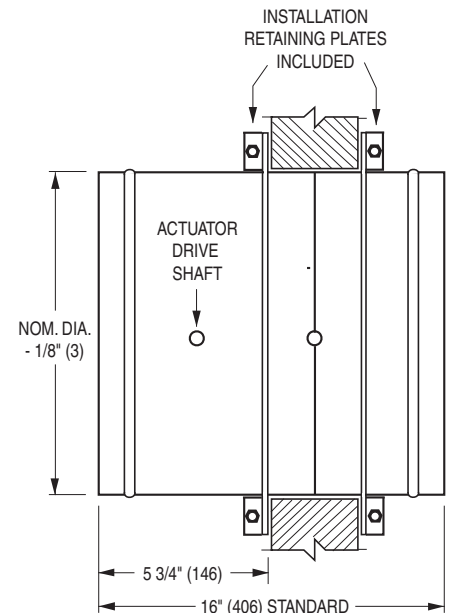
24 2000 fpm @ 4" w.g. (10 m/s @ 1 kPa) (Standard)

ACTUATOR SELECTION:

- Electric** **Pneumatic** Specify model _____ .
- Actuators are mounted out of airstream only.



(Retaining Plates not shown)



| Wall Thickness | Minimum Sleeve Length |
|-----------------------|-----------------------|
| 4 to 8 (102 to 203) | 16 (406) |
| 10 to 12 (254 to 305) | 20 (508) |
| 14 to 16 (356 to 406) | 24 (610) |

ACTUATOR FAIL POSITION:

Normally Closed. (Normally Open actuators are not available).

OPTIONS:

- 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.

For installation instructions, see IOM-1290FSINST. Dimensions are in inches (mm).

| | | | | |
|-----------------------|-------------|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| PROJECT: | 4 - 28 - 14 | 1200 | 8 - 16 - 12 | 1290FS-SS-1 |
| ENGINEER: | | | | |
| CONTRACTOR: | | | | |