



**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



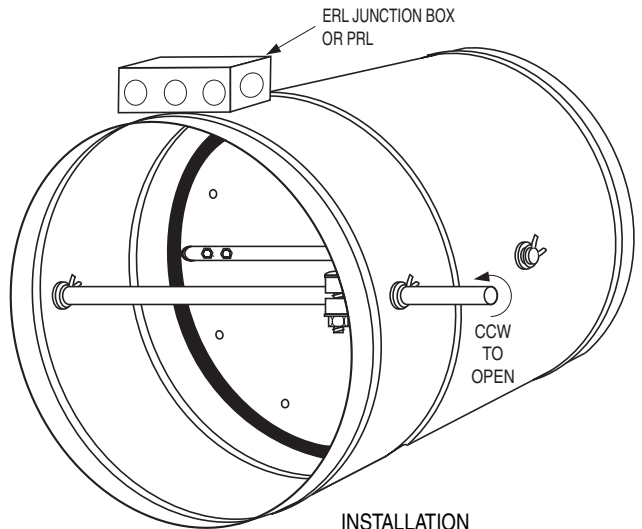
**QUALIFICATIONS:**

- **UL 555 & CAN/ULC-S112 CLASSIFIED DYNAMIC FIRE DAMPER**  
1 1/2 hr. Label (File #'s R9492 & R19569).
- **UL 555S CLASSIFIED SMOKE DAMPER (File # R9492)**  
Leakage Class I at 250°F or 350°F elevated temperature.
- Meets NFPA 80, 90A, 92A, 92B, 101 and 105 as well as IBC and NBC (Canada) Building Code requirements.
- California State Fire Marshal Listing No. 03225-0935:106.
- City of New York. MEA# 366-03-M.
- Maximum velocity 2000 fpm @ 4" w.g.

The 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 stud drywall partitions or masonry walls and floors.

The 1290FS-SS offers the lowest leakage class available and is qualified for installation with airflow in either direction. It is available in either Type 304 or 316 stainless steel.



**STANDARD SPECIFICATION:**

- Frame:** 20 gauge (1.0) stainless steel integral sleeve and retaining plates.
- Blade:** 2 x 20 gauge (1.0) stainless steel laminated together, 14 gauge (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) std. 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) std. 165°F (74°C) and 280°F (138°C) available.

**Available Sizes:** 6" (152) through 24" (610) diameter in nominal 2" (51) increments. Vertical or horizontal installation.

**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)

**ACTUATOR SELECTION:**

- Electric**    **Pneumatic** Specify model \_\_\_\_\_.

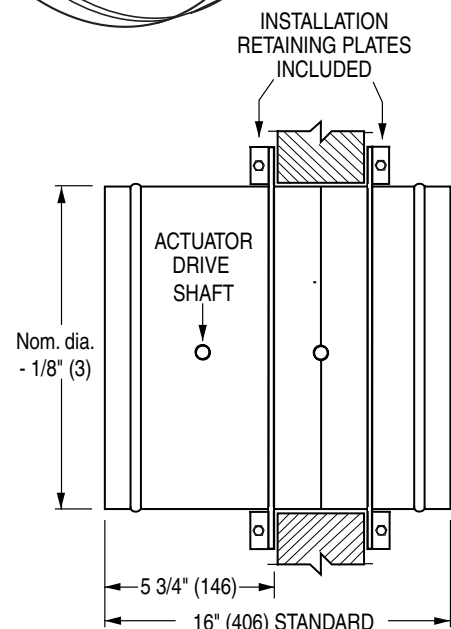
Actuators are mounted out of airstream only.

**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.



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)

For installation instructions, see IOM-1290FSINST.

Dimensions are in inches (mm).

<b>SCHEDULE TYPE:</b>				
<b>PROJECT:</b>				
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	2 - 16 - 10	1200	NEW	1290FS-SS-1