



**SMOKE DAMPER**  
**ROUND • STAINLESS STEEL**  
**ULTRA-LOW LEAKAGE**  
**MODEL: 1290S-SS**

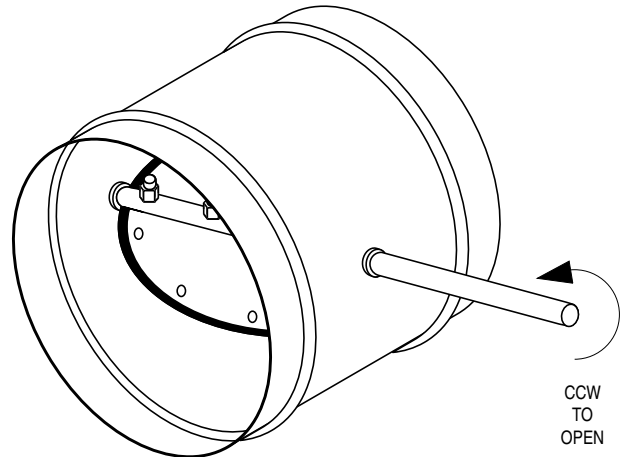


**QUALIFICATIONS:**

- **UL 555S CLASSIFIED SMOKE DAMPER (File # R9492)**  
Leakage Class I at 350°F elevated temperature.
- **Meets NFPA 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. 03230-0935:0107.**
- **Maximum velocity: 2000 fpm @ 4" w.g. (10 m/s @ 1 kPa).**

Model 1290S-SS Damper is ideal for high humidity or mildly corrosive applications where building codes require a leakage rated smoke damper for operational smoke control in static or dynamic smoke management systems.

The 1290S-SS Damper is an true round smoke damper designed and qualified for round ductwork and offers the lowest leakage class available. 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 gauge (1.0) stainless steel laminated together; 14 gauge (2.0) equivalent thickness.
- Bearings:** 1/2" (13) dia. stainless steel.
- Drive Shaft/Axles:** 1/2" (13) dia. stainless steel double bolted to blade. Drive shaft extends approx. 6" (152) beyond frame.
- Jackshaft:** 1/2" (13) dia. stainless steel.
- Blade Seal:** Silicone rubber. Peripheral gasket sandwiched between two piece blade.

**Sizes (Duct Dia.):**

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

**Notes:** 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:**

1 @ 350°F (Standard)

**DYNAMIC VELOCITY / PRESSURE RATING:**

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

**LEAKAGE CLASS/ELEVATED TEMPERATURE:**

**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 package
- DTS** Damper test switch

<b>SCHEDULE TYPE:</b>	For installation instructions, see IOM-SDINST. Dimensions are in inches (mm).			
<b>PROJECT:</b>				
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	4 - 28 - 14	1200	11 - 28 - 11	1290S-SS-1