



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



QUALIFICATIONS:

- **UL 555S & CAN/ULC-5112.1 CLASSIFIED SMOKE DAMPER Leakage Class I at 350°F elevated temperature (File # R9492).**
- **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: 4000 fpm @ 4" w.g. (20 m/s @ 1 kPa).**

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

The 1290S Damper is an economical 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.

STANDARD CONSTRUCTION:

Frame: 20 ga. (1.0) galvanized steel integral sleeve and retaining plates.

Blades: 2 x 20 gauge (1.0) galvanized steel laminated together; 14 gauge (2.0) equivalent thickness.

Bearings: 1/2" (13) dia. self-lubricating oilite bronze.

Drive Shaft/Axles: 1/2" (13) dia. plated steel double bolted to blade. Drive shaft extends approx. 6" (152) beyond frame.

Jackshaft: 1/2" (13) dia. cadmium plated 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.

LEAKAGE CLASS / ELEVATED TEMPERATURE:

- ☐ I @ 250°F (Standard)
- ☐ I @ 350°F

DYNAMIC VELOCITY / PRESSURE RATING:

- ☐ 24 2000 fpm @ 4" w.g. (10 m/s @ 1 kPa) (Standard)
- ☐ 34 3000 fpm @ 4" w.g. (15 m/s @ 1 kPa), 14" (356) dia. max.
- ☐ 44 4000 fpm @ 4" w.g. (20 m/s @ 1 kPa), 14" (356) dia. max.

ACTUATOR SELECTION:

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

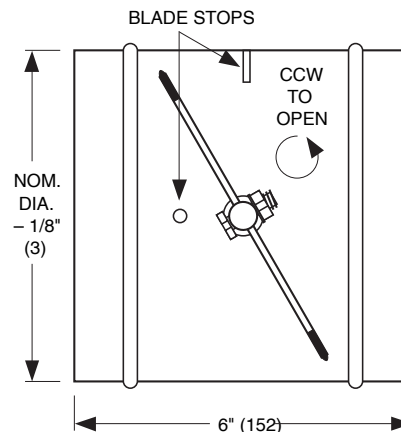
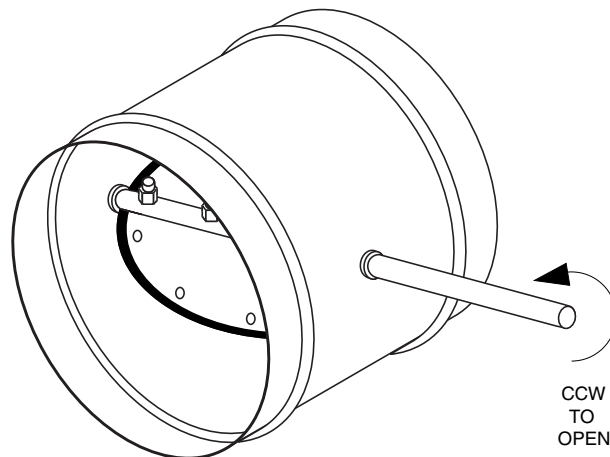
Actuators are mounted out of airstream only.

ACTUATOR FAIL POSITION:

- ☐ CL Closed (Standard)
- ☐ OP Open

OPTIONS:

- ☐ **BS** Stainless steel bearings
- ☐ **MLS-300** Position indicator switch package
- ☐ **DTS** Damper test switch



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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

DATE	B SERIES	SUPERSEDES	DRAWING NO.
8 - 27 - 26	1200	10 - 16 - 24	1290S-1