

**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: 4000 fpm @ 4" w.g. (20 m/s @ 1 kPa).

Model 620-TR 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 620-TR 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:**

- 2000 fpm @ 4" w.g. (10 m/s @ 1 kPa) (Standard)
- 3000 fpm @ 4" w.g. (15 m/s @ 1 kPa)
- 4000 fpm @ 4" w.g. (20 m/s @ 1 kPa)

**ACTUATOR SELECTION:**

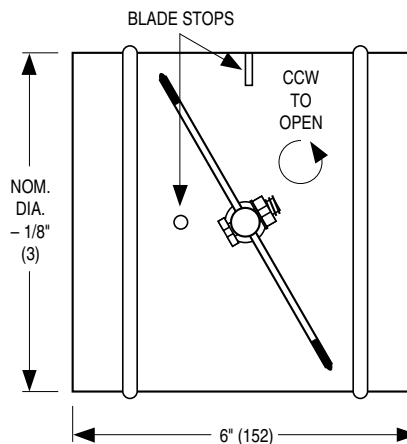
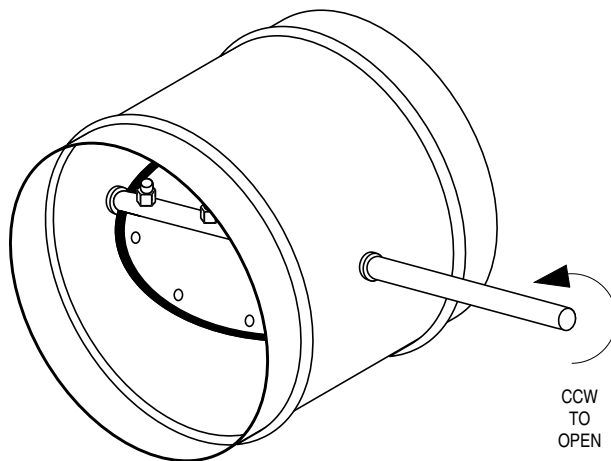
- Electric  Pneumatic Specify model \_\_\_\_\_ .
- Actuators are mounted out of airstream only.

**ACTUATOR FAIL POSITION:**

- Closed (Standard)
- Open

**OPTIONS:**

- Position indicator switch package
- Damper test switch



<b>SCHEDULE TYPE:</b>	For installation instructions, see IOM-620TRINST.			
<b>PROJECT:</b>	Dimensions are in inches (mm).			
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	6 - 22 - 21	620	NEW	620-TR-1