

Smoke Damper • Single Thickness Blade • Leakage Class II • 250°F or 350°F • Galvanized Steel

**Standard Construction and Materials**

**FRAME:** 5½" x 7⁄8" x 16 GA. galvanized steel hat channel. Flat 16 GA. galvanized steel head and sill for maximum free area on dampers less than or equal to 13" high.

**BLADES:** 16 GA. galvanized steel, single thickness, parallel action.

**AXLES:** Plated solid steel stub.

**BEARINGS:** Oil impregnated bronze.

**LINKAGE:** Plated steel angle and crank plates with stainless steel pivots, in-jamb type or on-blade type.

**STOPS:** 18 GA. galvanized steel angles at head and sill.

**BLADE SEALS:** Silicone.

**JAMB SEALS:** Stainless steel.

**SLEEVE:** Minimum 20 GA. galvanized steel by 18" long (sizes greater than 84" wide or 84" high require minimum 18 GA.).

**CAULKING:** Hardcast iron grip 601 or UL-listed equivalent

**ACTUATOR:** Electric or pneumatic. External left hand mounted as viewed from jackshaft side of damper.

**FINISH:** Mill.

**UNDERWRITERS LABORATORIES INC.®****CLASSIFIED DYNAMIC SMOKE DAMPER**

LEAKAGE RESISTANCE CLASS II



FILE # R6462



This smoke damper meets the construction and performance requirements of:

- Underwriters Laboratories Inc. Standard 555S
- National Fire Protection Association Standards 80 and 90A
- ICC's International Building Code
- California State Fire Marshal Listing #3230-1328:106

- Underwriters Laboratories Inc. Approved for dual direction airflow and dynamic conditions.
- Underwriters Laboratories Inc. Classified for use in smoke control systems for Leakage Class II and 250°F or 350°F.
- Actuators must be controlled by a smoke detection system.

**Options**

Exact size (no undercut)

Sleeves and transitions

Actuators - 120V, 24V, 230V or pneumatic

Right hand and/or internal actuator mounting locations (restrictions apply)

Dual Position Indication (IDPI) switches

Model SM-501 flow-rated smoke detector.

Model 2151 no-flow smoke detector (12" minimum damper height)

Momentary test switch

Remote test box

Copper tubing (for pneumatic actuators)

Transformers

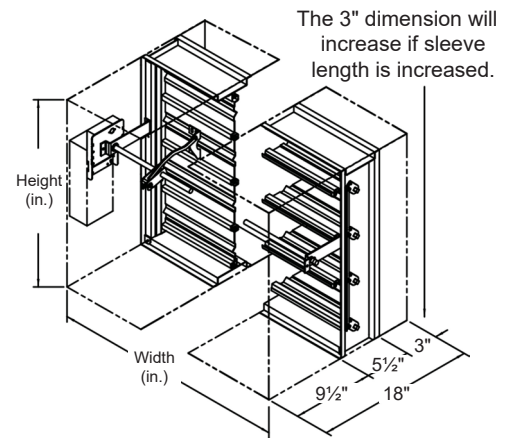
Tab-lock retaining angles - 1 or 2 sets

Stainless steel bearings

Stainless steel axles

Security bars

Short-width (less than 8") and/or short-height (less than 6") transitions



Blade Profile

**Notes**

1. Nominal deductions will be made to the opening size given.
2. Dampers greater than or equal to 12" in height with factory mounted SM-501 smoke detectors require a minimum 19" deep sleeve (10½" on the actuator side). Detectors will be mounted on the side of the damper opposite actuator.
3. Dampers less than 12" in height with factory mounted SM-501 smoke detectors require a minimum 20" deep sleeve (11½" on the actuator side). Detectors will be mounted on the bottom or top of damper.
4. Smoke detectors can be ordered for field mounting with standard 18" deep sleeve.
5. Dampers for horizontal installation can only be mounted in a fire barrier constructed of masonry/concrete materials.

**Damper Sizes**

Orientation	Horizontal & Vertical	Actuator Response	2000 fpm, 4 in. w.g.				3000 fpm, 4 in. w.g.	
			Horizontal & Vertical				Horizontal & Vertical	
Panels	Min. Panel Size		Max Panel 250°	Max Panel 350°	Max Assy 250°	Max Assy 350°	Max Panel 250°	Max Assy 250°
Rectangular	4"W x 4"H (8"W x 6"H frame)	PO/SC	36"W x 48"H	36"W x 48"H	144"W x 70"H 288"W x 35"H	128"W x 62"H 256"W x 31"H	36"W x 36"H	108"W x 36"H
Rectangular	4"W x 4"H (8"W x 6"H frame)	SO/PC	36"W x 36"H	36"W x 36"H	108"W x 36"H	108"W x 36"H	N/A	N/A
Round	4" dia. (8"W x 6"H frame)	PO/SC	34" dia.	34" dia.	68" dia.	60" dia.	34" dia.	N/A
Oval	4"W x 4"H (8"W x 6"H frame)	PO/SC	36"W x 46"H	36"W x 46"H	45 sq.ft. 106"W x 68"H	106"W x 60"H	34"W x 34"H	106"W x 24"H

\* Dampers smaller than minimum frame size require a transitions. Reference SD-TRFS.

\*\* For sizes smaller than 16"W x 8"H, airfoil blades will be supplied.

In the interest of product development, CESCO Products reserves the right to make changes without notice.



450 Riverside Dr • Wyalusing PA, 18853  
Phone: 570-746-1888 • Fax: 570-746-9286  
www.cescoproducts.com

CES-22-02-03