

# MODEL RC

Class I • 250°F or 350°F • Galvanized Steel • True Round Fire/Smoke Damper

## STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 20-GA galvanized rolled frame; 18" deep  
**BLADES:** 20-GA double thickness galvanized steel (equal to 14-GA)  
**AXLES:** ½" diameter galvanized or plated steel, full length  
**BEARING:** Oil impregnated bronze sleeve  
**STOPS:** Full open and full closed angle stops  
**BLADE SEAL:** Silicone  
**CAULKING:** UL approved  
**FINISH:** Mill  
**ACTUATOR:** Electric; Factory-installed for Power-Open/Spring-Close (fail close) operation; External left hand mounted as viewed from jackshaft side of damper

## OPTIONS

Right hand actuator mounting location  
 Integral Dual position Indication (IDPI) switches  
 Model SM-501 Flow-rated smoke detector; ship loose only  
 Model 2151 No-flow smoke detector; ship loose only  
 Rolled retaining angles  
 Stainless steel bearings  
 Copper tubing (for pneumatic actuators)  
 Sleeves of various depths (consult factory)  
 Retaining Plates  
 Pneumatic Actuator

## NOTES

1. Dampers are provided approximately ⅛" undersize.
2. Dampers available in 2" increments only.
3. Dampers ≥ 20" require rings in center of damper.

## DAMPER SIZES

Orientation	Horizontal & Vertical	
	Minimum Panel	Maximum Panel
RC	6" dia.	24" dia.

## UNDERWRITERS LABORATORIES INC.®

CLASSIFIED FIRE AND SMOKE DAMPER

FIRE RESISTANCE RATING 1½ HR  
 LEAKAGE RESISTANCE CLASS I

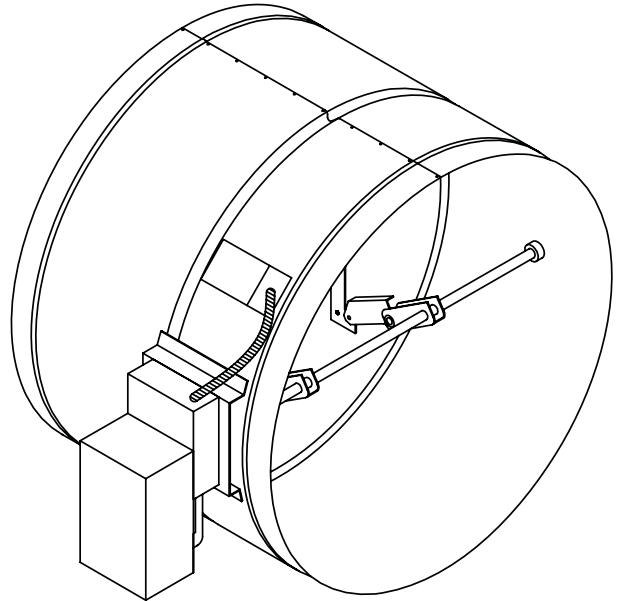
abi air balance

FILE #R4708



This fire/smoke damper meets the construction and performance requirements of:

- Underwriters Laboratories Inc. Standard 555S and 555
- National Fire Protection Association Standards 90A, 92A, and 92B
- ICC's International Building Code
- California State Fire Marshal Listing #3225-1328:123
- Underwriters Laboratories Inc. Approved for dual direction airflow and dynamic conditions.
- Underwriters Laboratories Inc. Classified for use in fire resistive ratings of less than 3 hours.
- Underwriters Laboratories Inc. Classified for use in smoke control systems for Leakage Class I and 250°F or 350°F.
- Actuators must be arranged to operate automatically, must fail closed upon loss of power, and must be controlled by a smoke detection system.



air balance

Dampers Louvers  
 UL Life Safety Products  
 Division of Metstek  
 Member of AMCA

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**Operations Ratings:**

Maximum Differential Pressure: 4 in.wg or 6 in.wg depending on actuator selection.  
Maximum Velocity: 2000 fpm or 3000 fpm depending on actuator selection.

**Leakage Ratings:**

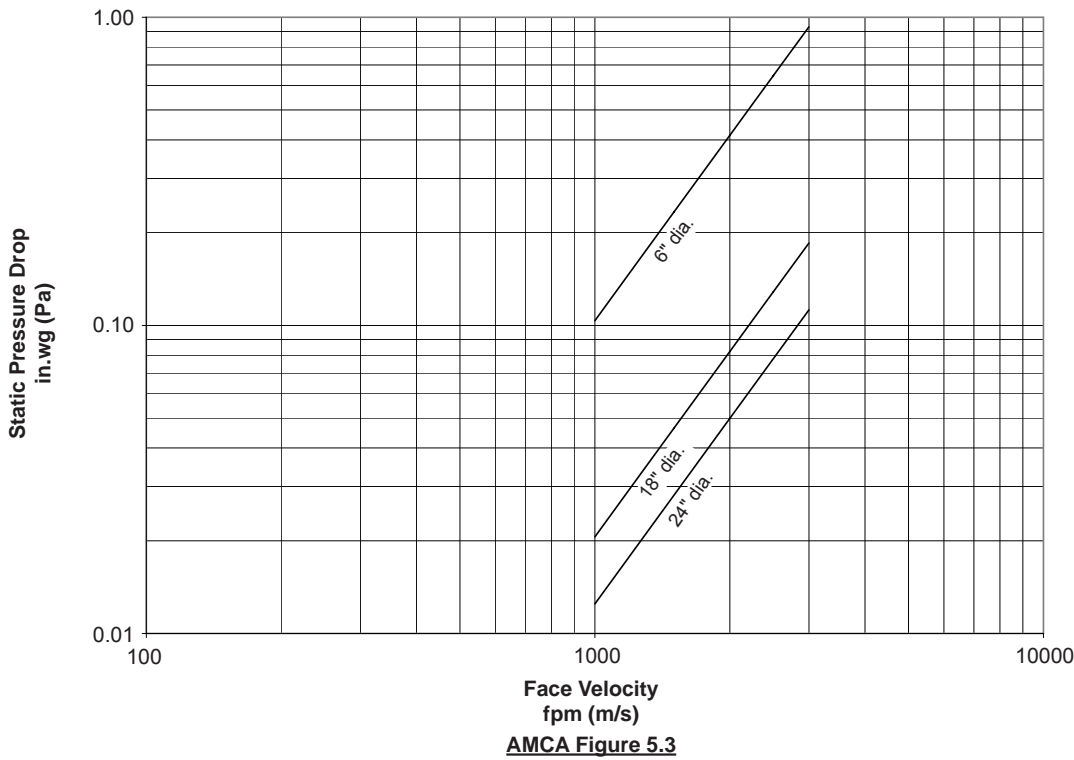
UL Class I  
8 cfm per sq. ft. maximum @ 4 in.wg

**Sound Ratings:**

None Available

**Pressure Drop Ratings:**

The pressure drop data shown below is based on laboratory conditions. The test setup does not take into account elbows or other duct fittings that are part of every actual duct system. The configuration of the actual duct system immediately upstream and downstream of the damper often contributes more pressure loss than the damper itself.



This product was tested in accordance with AMCA Standard 500D.