

ARROW UNITED INDUSTRIES SUBMITTAL DATA

MODEL AS1G/F (Leakage Class I)

MODEL AS1G/F 250/350


MODEL AS2G/F (Leakage Class II)

MODEL AS2G/F 250/350

- Front Access DAMPERS for Grille Installations (Vertical)
- LEAKAGE AND TEMPERATURE RATED COMBINATION FIRE/SMOKE DAMPERS

ALL DAMPERS LISTED ABOVE ARE TEMPERATURE CLASS 250°F/350°F

UNDERWRITERS LABORATORIES INC.®
 CLASSIFIED FIRE DAMPER
 FIRE RESISTANCE RATING 1½ HR
 ALSO AS TO LEAKAGE RESISTANCE CLASS I
 ARROW UNITED INDUSTRIES



UNDERWRITERS LABORATORIES INC.®
 CLASSIFIED FIRE DAMPER
 FIRE RESISTANCE RATING 1½ HR
 ALSO AS TO LEAKAGE RESISTANCE CLASS II
 ARROW UNITED INDUSTRIES



IN ACCORDANCE WITH UL STANDARDS 555 & 555S
 California State Fire Marshal
 Listing No. 3230-1328:108, 3225-1328:113

STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 5½" x 7/8" x 16-GA galvanized steel hat channel.
- BLADES:** 16-GA galvanized steel, 6" maximum width, parallel action.
- AXLES:** ½"-square, plated solid steel stub.
- BEARINGS:** Oil Impregnated Bronze.
- LINKAGE:** On-blade type, located within the airstream; galvanized steel angle interconnect, with plated steel brackets and pivots.
- STOPS:** 20-GA galvanized steel at head and sill.
- BLADE EDGE SEALS:** Elastomer material.
- COMPRESSION SIDE JAMB SEALS:** Stainless steel.
- SLEEVE:** 20-GA galvanized steel by 14" long (1½" grille clearance) or 16" long (3½" grille clearance) with 13/16" front flange.
- FINISH:** Mill on galvanized steel.
- ACTUATOR:** 120 VAC electric with 165°F thermal disc, factory-installed for Power-Open/Spring-Return (fail close) operation. Actuator is internally mounted and accessible from grille side.
- NOTE:** Maximum Velocity of 2000 fpm and 4 in. wg static pressure.

DIMENSIONAL DATA

Minimum Size: *12"W x 12"H
Maximum Size: 36"W x 42"H

ROUND DUCT TRANSITION:

Minimum Size: 10" Diameter
Maximum Size: 34" Diameter

*Units under 16" in width are leakage Class II.

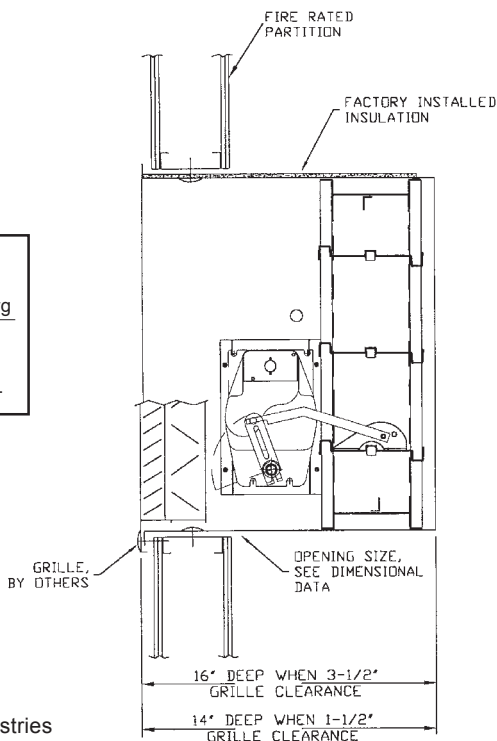
Overall sleeve width and sleeve height will be 2" greater than ordered round duct size.

Opening Size - No expansion clearance is required but sufficient clearance between the damper and the opening is required for the insulation and for mounting. The minimum width shall be 3/8" larger than the nominal size. The minimum opening height shall be 1/4" larger than the nominal size. The maximum sizes shall be no more than 1/4" greater than the minimum sizes.

Example: An 18" wide by 24" high nominal size damper will require a minimum opening width of 18 3/8" and a minimum opening height of 24 1/4".

UL 555S RATINGS		
Leakage Class	*Max. Leakage at	
	1 in. wg	4 in. wg
I	4	8
II	10	20


*CFM per square foot per minute.



AVAILABLE OPTIONS: (Must Be Specified)

1. 212°F thermal disc.
2. Dual position indication package.
3. 24 VAC electric actuator.
4. Tab-Lock Retaining Angles, one set.
5. Round duct transition, one side.
6. "Sens-O-Therm" Thermally Reopenable Temperature Sensing System is available with 165°F (Standard) or 212°F settings. This system includes open and closed position indicator switches. It also includes a second thermal disc to re-close the damper when the rated degradation temperature is reached.

PROJECT: _____
 LOCATION: _____
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: _____
 PO NUMBER: _____
 DATE: _____



Arrow United Industries
 A Division of Mestek, Inc.
 314 Riverside Drive • Wyalusing, PA 18853
 Ph: (570)-746-1888 Fax: (570)-746-9286
 www.arrowunited.com

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