

VAR-2

BACKDRAFT DAMPERS INSERTION TYPE



STANDARD CONSTRUCTION

MODEL VAR-2	IN DUCT	
FRAME	16 GA GALVANIZED STEEL	
BLADES	ALUMINUM 0.032" (0.81 MM) THICK - MAX. 1 000 PPM	
LINKAGE	ALUMINUM	
BLADE SEALS	SELF-ADHESIVE NEOPRENE STRIP (ACRYLIC GLUE) 1/8" X 3/8" (3.18 MM X 9.53 MM)	
AIR FLOW	HORIZONTAL VERTICAL (UPWARDS)	
WIDTH	MIN. 6" (152.4 MM)	MAX. 36" (914 MM)
HEIGHT	MIN. 4" (101.6 MM)	MAX. 48" (1 219 MM)

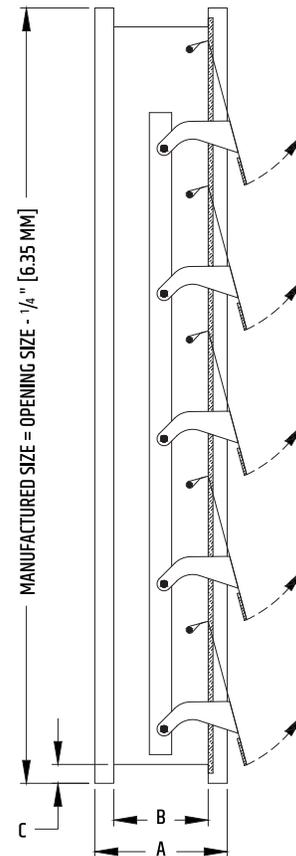
AVAILABLE OPTIONS

FRAME	STAINLESS STEEL
	ALUMINUM
BLADES	STAINLESS STEEL
	GALVANIZED STEEL
FINISH	LECHLER ISOLACK (5-YEAR WARRANTY)
HARDWARE	STAINLESS STEEL
INSULATION	ARMAFLEX 3/16" (4.8 MM) (ACRYLIC GLUE) - INT. BLADE

SPECIAL CONSTRUCTION

BLADES	ALUMINUM 0.041" (1 MM) - MAX. 1 200 PPM
	ALUMINUM 0.062" (1.6 MM) - MAX. 2 000 PPM
CONSTRUCTION	DOUBLE LINKAGE WITH COUNTERWEIGHT MOUNTED ON BLADES
AXLES	Ø 1/8" (3.2 MM) FULL LENGTH STAINLESS STEEL ROD
BUSHINGS	Ø 1/8" (3.2 MM) DELRIN (POLYMER)
	Ø 1/8" (3.2 MM) BRONZE

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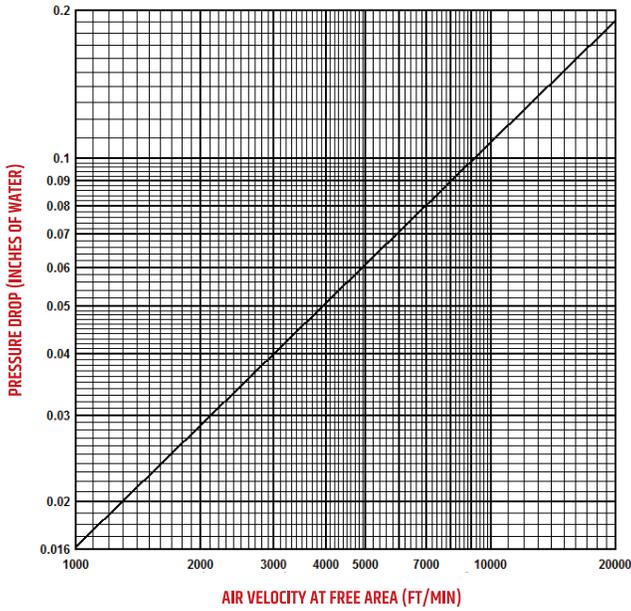
NOTE:

- > For heights < 6" (152.4 MM), the upper and lower frames are replaced with a 0.102" (2.6 MM) sheet of galvanized steel.

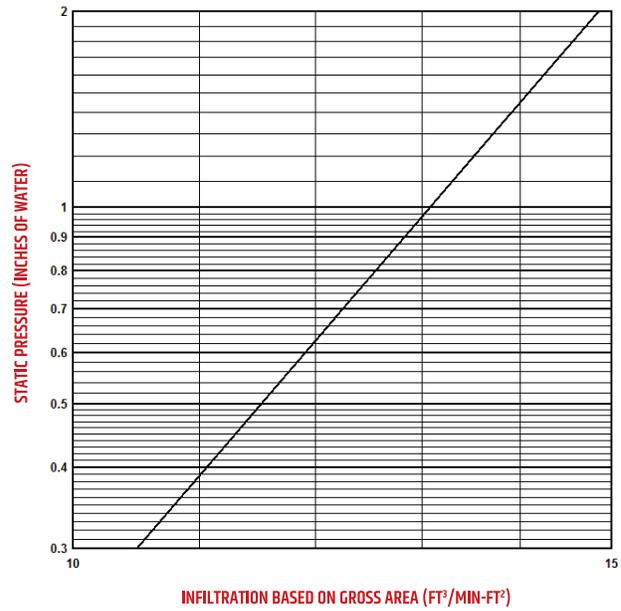
TYPE	HEIGHT	A	B	C
VAR-2	< 6" (152.4 MM)	4-1/4" (108 MM)	3-1/4" (82.6 MM)	—
	≥ 6" (152.4 MM)	4-1/4" (108 MM)	3-1/4" (82.6 MM)	1" (25.4 MM)

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**PRESSURE DROP VS AIR VELOCITY
MODEL VAR-2 IN EXHAUST MODE**



**AIR LEAKAGE
MODEL VAR-2**



NOTE: Pressure drop and infiltration tests performed by Air-Ins Laboratories on a 48" x 48" damper section, in accordance with the AMCA 500 standard.

TROLEC DAMPER MAINTENANCE

When dampers are exposed to harsh worksite elements such as cement dust, it is sometimes necessary to lubricate the moving parts for maximum performance.

We recommend a penetrating lubricant such as Aerochem's MX-EP, which we use during the assembly process.

Trolec products are always carefully inspected before shipping. However, appropriate measures should be taken in the field to ensure maximum performance.

Trolec may not be held liable for any damage resulting from misuse of its products or inadequate installation.

Trolec reserves the right to modify these specifications without notice.