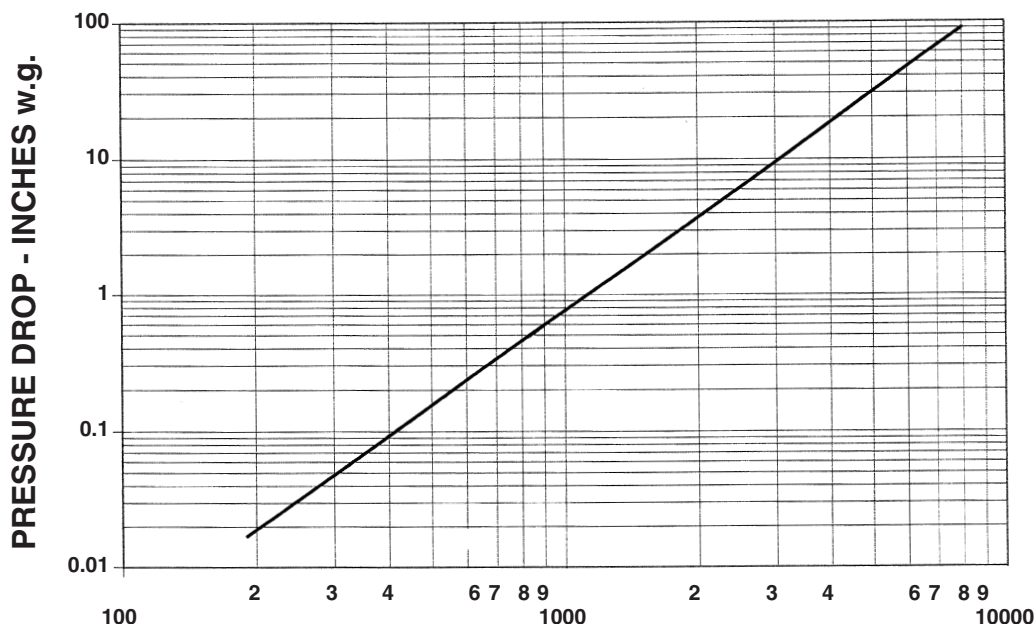


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PRESSURE DROP

Based on testing per AMCA Standard 500 using Test Setup Apparatus figure 5.5 (damper installed on bulkhead).



FACE VELOCITY (FPM)
TYPICAL CBS8BL PERFORMANCE

ORDERING INFORMATION

THE FOLLOWING INFORMATION IS REQUIRED TO ORDER A CBS8BL BLAST DAMPER

- Mounting Orientation
 - HAFCB - Horizontal Airflow Counterblast
 - HAFWB - Horizontal Airflow with Blast
 - VAFUCB - Vertical Airflow up Counterblast
 - VAFDCB - Vertical Airflow Down Counterblast
 - VAFUWB - Vertical Airflow Up with Blast
 - VAFDWB - Vertical Airflow Down with Blast
- Mounting Arrangement
 - Ducted Upstream and Downstream (Go to #3).
 - Open to Atmospheric Pressure on one or both sides (Go to #4).
- If 2A:
 - Maximum Normal Airflow Volume or Velocity at damper location.
- If 2B:
 - Maximum Normal Static Pressure
- Springs will be sized to hold blades open to 2" WG above maximum conditions unless specified otherwise.

SUGGESTED SPECIFICATION

Furnish and install, at locations shown in plans or in accordance with schedules, industrial grade blast dampers meeting the following construction standards. Frame shall be minimum 10" deep x 2" flanged 10 gage (254 x 51 x 3.5) galvanized steel channel. Frame shall be one piece construction. Sleeve or channel with innerframe is not acceptable. The blades shall be maximum 7" (178) wide, minimum 14 gage (2) galvanized airfoil shaped double-skin. Axles shall be minimum $\frac{3}{4}$ " (19) diameter plated steel welded to blade. Bearings shall be ball style bolted to frame. Linkage shall be minimum $\frac{3}{16}$ " thick x $\frac{3}{4}$ " (5 x 19) bar located on side of damper out of airstream. Pivot pins in linkage shall be stainless steel. Bronze pins or bushings are not acceptable. Linkage shall include externally mounted release springs and adjustable tension to keep damper

open until specified close pressure forces blades closed. Damper shall be designed to withstand blast of up to 3 psi (83" wg.) (2108mm w.g.) with blades closed. Submittal must include pressure drop, and maximum pressure data based on AMCA Publication 500 testing. Damper shall be Ruskin model CBS8BL blast damper.

ADD TO SPECIFICATION IF REQUIRED:

Dampers shall be equipped with mechanically attached EPDM blade seals and wind stops fitted with neoprene sponge seal located directly behind blade edge for low leakage application. Blade seals, maximum 250°F (121°C).

RUSKIN®

3900 Dr. Greaves Rd.
Kansas City, MO 64030
(816) 761-7476
FAX (816) 765-8955
www.ruskin.com