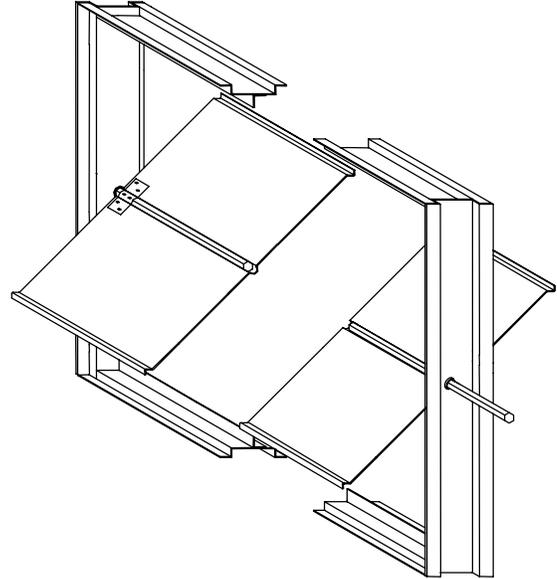


CONTROL DAMPER - MODEL 612

Design Features – Low leakage and economical single blade control damper.

STANDARD CONSTRUCTION

- FRAME**
4 7/16" deep, 16 gauge galvanized steel
- BLADES**
16 gauge galvanized steel
- BLADE AXLES & BEARINGS**
AXLE – 7/16" Plated hex continuous
BEARINGS – Bronze oil impregnated
- SEAL**
Vinyl blade seals and stainless steel jamb seals
- LINKAGE**
Drive blade has 3-1/2" long shaft to mount operator
- MAXIMUM VELOCITY & STATIC PRESSURE**
2500 FPM @ 4" H₂O
- MAXIMUM SIZE**
48" w x 11" h
(Multi-section sizes usually require Jackshaftering)
- MINIMUM SIZE**
4" w x 4" h
- UNDERSIZED**
1/4" under ordered size unless specified Exact or Actual
- FINISH**
Mill
- OPERATOR**
None



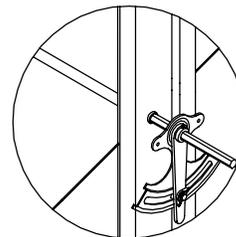
OPTIONAL CONSTRUCTION

- FRAME** – Available in heavier galvanized steel construction up to 10 gauge
- BLADES** – Available in heavier galvanized steel construction up to 14 gauge
- SPECIFIED MATERIAL** – Available in Stainless, Aluminum or as requested
- SEALS** – Polyurethane or Neoprene and aluminum jamb seals
- SLEEVE AND DUCTWORK CONNECTION** – 10 ga. to 20 ga. galvanized steel to 30" in length. Factory can install access door, retaining angles, or flange connections.
- FINISH** – Paint is available
- OPERATOR** – Manual, electric or pneumatic, please consult operator listing

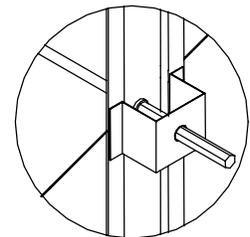
SPECIAL PURPOSE CONSTRUCTION

- Fully welded assembly
- Stand-off bracket for insulated duct application
- Burglar bars mounted in sleeve
- Jackshaft where required

Consult Safe Air/Dowco Engineering for higher velocities.



Quadrant



Stand-off Bracket

OPTIONAL

DATE	ARCHITECT / ENGINEER	CUSTOMER		
PROJECT				
ITEM	QTY	W	H	DESCRIPTION



DEPENDABLE PRODUCTS SINCE 1955

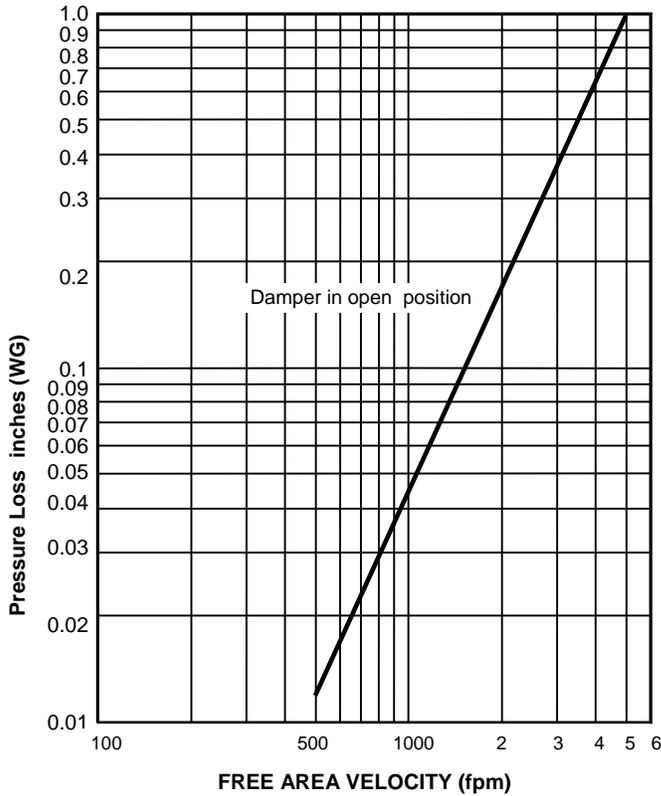
SAFE-AIR/DOWCO

Engineering and General Offices

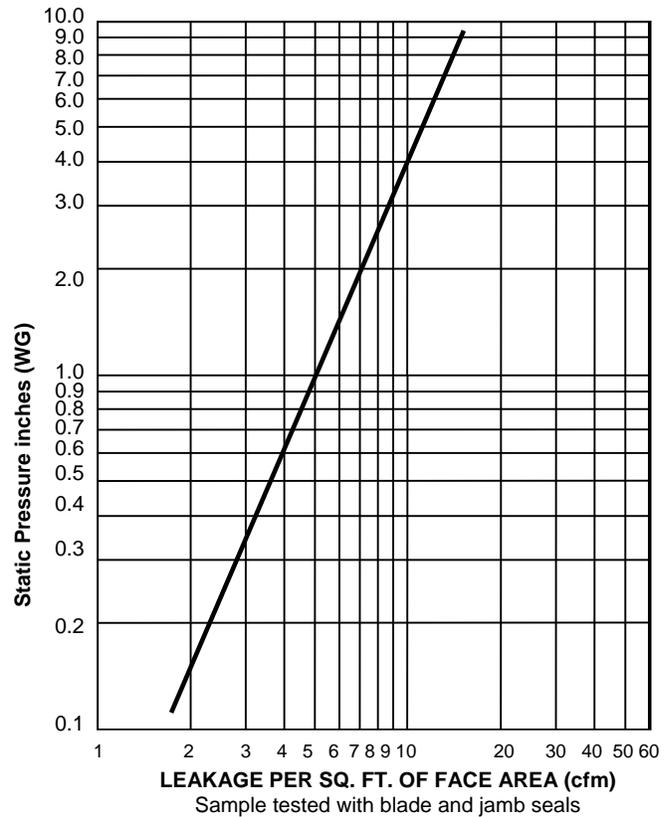
1855 South 54th Avenue, Cicero, Illinois 60804

Phone 708-652-9100 FAX 708-652-9158

AIR PERFORMANCE



AIR LEAKAGE



CALCULATING PRESSURE LOSS:

Based upon a given flow rate (in CFM), the flowing pressure loss may be determined from the "air performance graph, knowing the sq. ft. of free area of the damper. Alternately, the free area may be determined based upon a volumetric flow rate and a maximum pressure loss. Utilizing the "air performance" graph.

_____ in. W.C. Max. Pressure Loss Intake or Exhaust
 _____ FPM (Free Area Velocity From "Air Performance" Graph)
 _____ CFM / _____ FPM Free Area Velocity = _____ Sq. Ft. Free Area

PERFORMANCE DATA		
Damper Width (Inches)	Maximum Static Pressure (WG)	Maximum Velocity
12"	4"	1500 FPM
18"	3.50"	1500 FPM
24"	3"	1500 FPM
30"	2.50"	1500 FPM
36"	2"	1500 FPM
42"	1.5"	1500 FPM
48"	1.5"	1500 FPM