(ENGINEERS)

SUBMITTAL DATA

MANUAL BALANCING DAMPERS

Heavy Duty 16 Ga. Steel Blade

OPPOSED BLADE - PARALLEL BLADE BALANCING DAMPER

Suggested Specifications:

Furnish and install at location shown on drawing or in accordance with scheduled balancing dampers meeting the following specifications: Rectangular damper shall have 16 gauge galvanized steel blades with galvanized steel rollformed frames. Damper to be equal to United Enertech MODEL MD-115 or MD-116.

Ratings:

Pressure - up to 4" w.g.

FPM Table

12" wide	- 3500 FPM
24"	- 2800
36"	- 2300
48"	- 2100

Standard Features:

Frame: Rollformed Galvanized Steel

Blades: 4"-7" wide, 16ga. Galvanized Steel

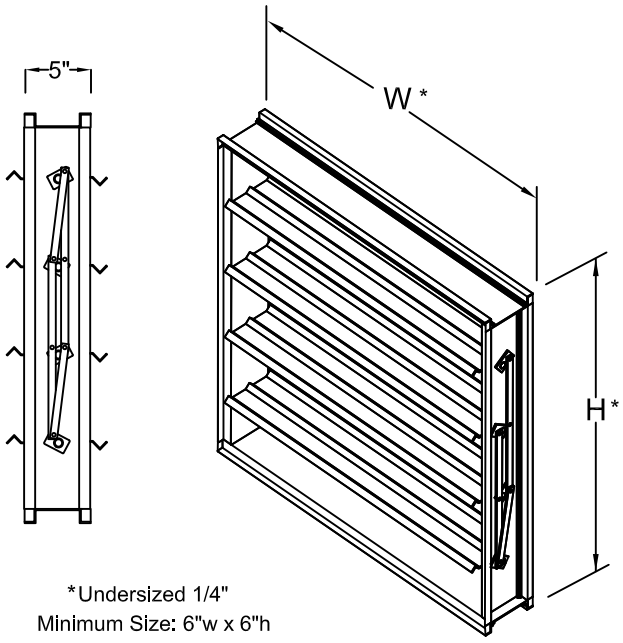
Bearing: Nylon

Linkage: Concealed in frame

Axles: 3/8" square plated steel

Control Shaft: Ø1/2" x 4-1/2" long shaft supplied with all hand quadrant operated dampers.

Hand Quadrant: Standard (field installed)



*Undersized 1/4"
Minimum Size: 6"w x 6"h
Maximum Size: 48"w x 60"h (single section only)
9"h and under - single blade
Maximum multi-section: NOT AVAILABLE

Options:

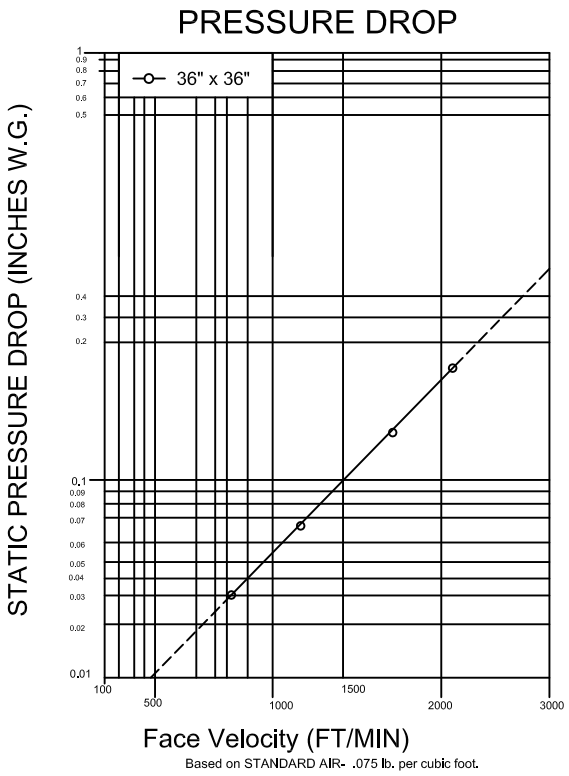
☐ Stand Off Bracket, 2"

☐ Side plate (end flange)

NOTE: THESE DAMPERS ARE FOR BALANCING PURPOSES ONLY. THEY ARE NOT FOR SHUT-OFF APPLICATIONS. GAPS BETWEEN BLADES & FRAME WILL EXIST.

CROSS SECTIONAL VIEW
Closed position

Job Name:	☐ MODEL MD-115 (Opposed)		
Location:	☐ MODEL MD-116 (Parallel)		
Architect:	DRAWN BY: CLJ	DATE: 10-1-08	REV. DATE: 9-28-10
Engineer:	REV. NO. 6	APPROVED BY: BGT	DWG. NO.: **A-23**
Contractor:			



MD-115, 116 sizes: 36" x 36" (915mm x 915mm)

36 x 36

Face Velocity ft/min (m/s)	Pressure Drop in. w.g. (Pa)
1000 (5.08)	0.055
1500 (7.62)	0.100
2000 (10.16)	0.175

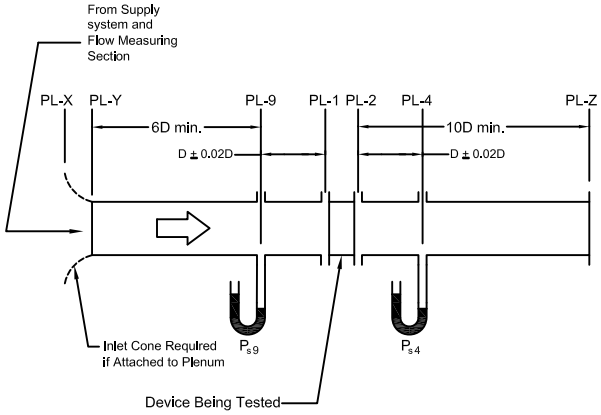


Figure 5.3- Test Device Setup with Inlet and Outlet Ducts

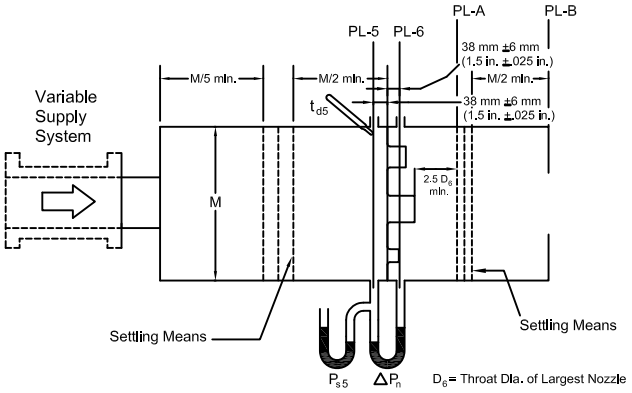


Figure 6.5- Airflow Rate Measurement Setup- Multiple Nozzle Chamber on Fan Outlet