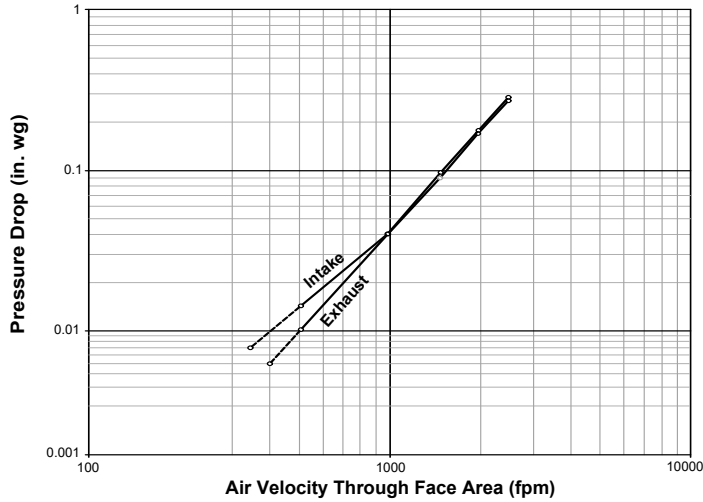


PRESSURE DROP - INTAKE AND EXHAUST:

Air Performance testing has been performed in accordance with Test Method as per latest version of ANSI/AMCA Standard 500-D, Figure 5.3 (Duct Upstream and Downstream).

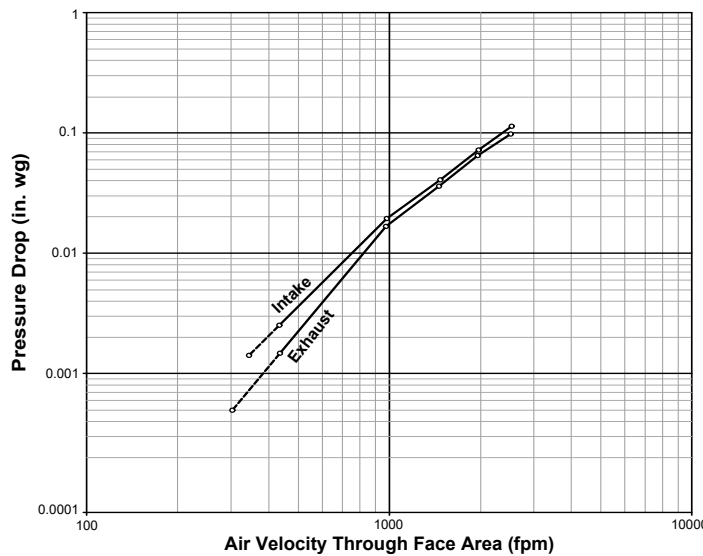
PRESSURE DROP GRAPH - 12" x 12"



PRESSURE DROP OF DAMPER

12" x 12" - (305 x 305)			
Intake		Exhaust	
Velocity	Pressure Drop	Velocity	Pressure Drop
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)
2474	0.283	2470	0.271
1969	0.176	1962	0.169
1476	0.097	1468	0.089
985	0.04	986	0.04
507	0.014	505	0.01

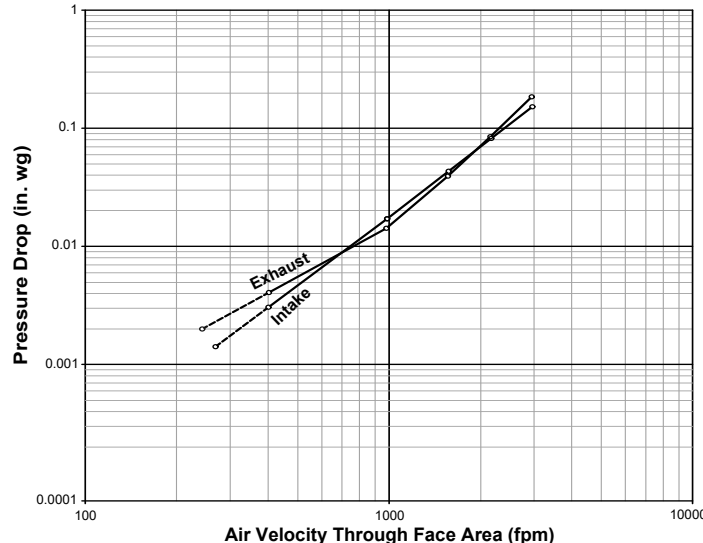
PRESSURE DROP GRAPH - 24" x 24"



PRESSURE DROP OF DAMPER

24" x 24" - (610 x 610)			
Intake		Exhaust	
Velocity	Pressure Drop	Velocity	Pressure Drop
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)
2534	0.114	2530	0.098
1967	0.072	1965	0.065
1473	0.041	1471	0.036
979	0.02	977	0.017
432	0.003	436	0.001

PRESSURE DROP GRAPH - 36" x 36"



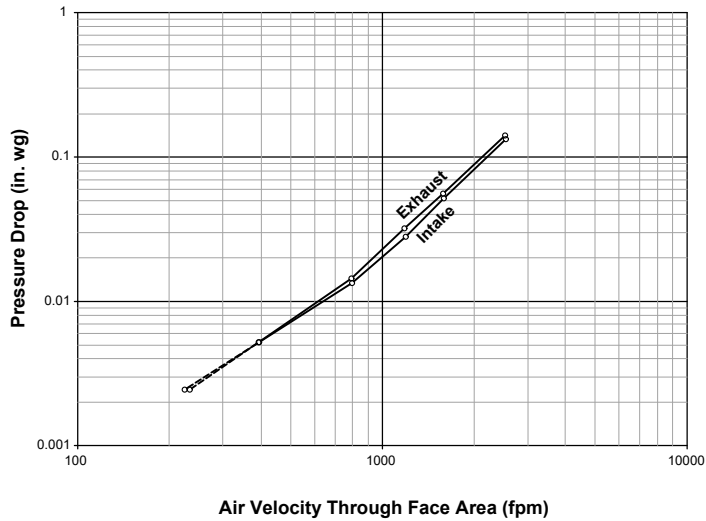
PRESSURE DROP OF DAMPER

36" x 36" - (610 x 610)			
Intake		Exhaust	
Velocity	Pressure Drop	Velocity	Pressure Drop
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)
2949	0.153	2949	0.185
2162	0.082	2162	0.085
1570	0.044	1570	0.04
982	0.017	982	0.014
400	0.003	404	0.004

PRESSURE DROP - INTAKE AND EXHAUST:

Air Performance testing has been performed in accordance with Test Method as per latest version of ANSI/AMCA Standard 500-D, Figure 5.3 (Duct Upstream and Downstream).

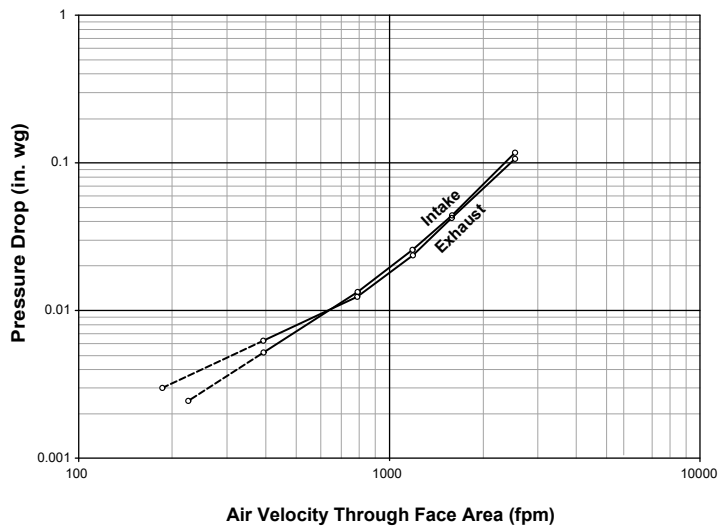
PRESSURE DROP GRAPH - 12" x 48"



PRESSURE DROP OF DAMPER

12" x 48" - (305 x 1219)			
Intake		Exhaust	
Velocity	Pressure Drop	Velocity	Pressure Drop
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)
2534	0.133	2533	0.142
1589	0.052	1588	0.056
1188	0.028	1187	0.032
792	0.013	791	0.014
394	0.005	394	0.005

PRESSURE DROP GRAPH - 48" x 12"



PRESSURE DROP OF DAMPER

48" x 12" - (1219 x 305)			
Intake		Exhaust	
Velocity	Pressure Drop	Velocity	Pressure Drop
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)
2532	0.107	2531	0.118
1587	0.043	1587	0.045
1189	0.024	1187	0.026
789	0.012	789	0.013
394	0.006	394	0.005

CVSA
DAMPER SERIES



SUGGESTED SPECIFICATION:

Central Ventilation Systems certifies that the Hat Shape VCD Models CDH Series as shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs.

The AMCA Certified Ratings Seal applies to air performance and air leakage ratings only.

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AIR LEAKAGE

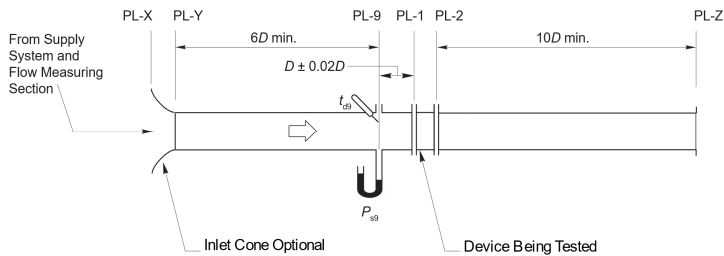
Tested for air leakage at standard air density in accordance with latest version of ANSI/AMCA Standard 500-D, Figure 5.4.

Data are based on a torque of 44in-lbs./ft² applied to close and seal the damper during the test. Air leakage is based on operation between 0°C-49°C (32°F-120°F).

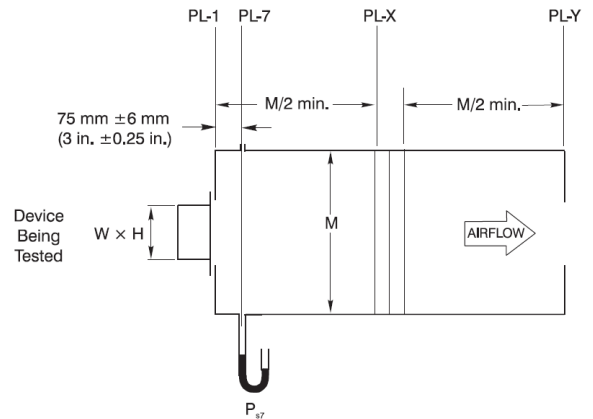
Maximum Allowable Leakage, cfm/ft ²					
Class	1 in. w.g.	2 in. w.g.	3 in. w.g.	4 in. w.g.	6 in. w.g.
1A	3	N/A	N/A	N/A	N/A
1	4	6	7	8	10
2	10	14	17	20	25

AMCA Leakage Class					
Damper Size	1 in. w.g.	2 in. w.g.	3 in. w.g.	4 in. w.g.	6 in. w.g.
36 inch. x 36 inch. (914 mm x 914 mm)	Class 1A	Class 1	Class 1	Class 1	Class 1

Test Figure 5.3 - Test Damper Setup with Inlet and Outlet Ducts



Test Figure 5.4 - Test Damper Setup with Outlet Chamber



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