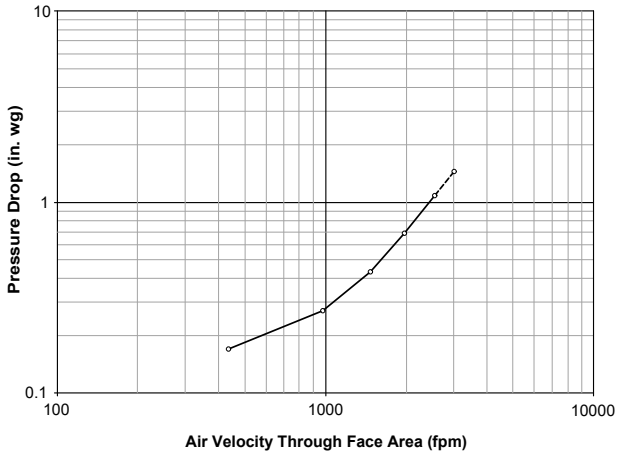
PERFORMANCE DATA

Air Performance testing has been performed in accordance with Test Method as per latest version of ANSI/AMCA Standard 500-D, Figure 5.4 for Air Leakage and Figure 5.5 for Pressure Drop. Air leakage is based on operation between 0°C- 49°C(32°F - 120°F).

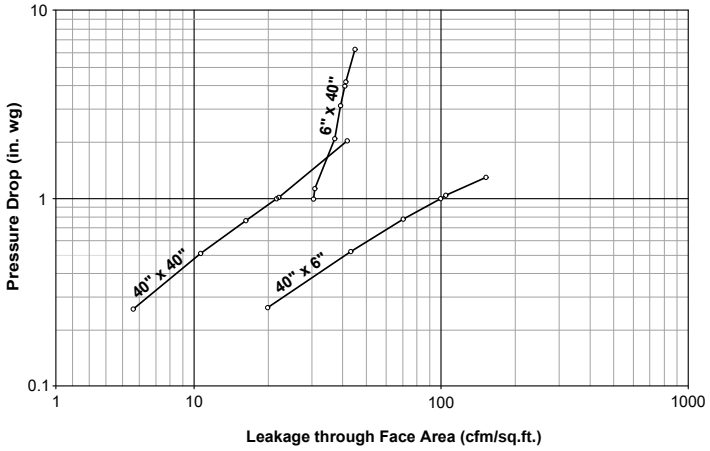
PRESSURE DROP GRAPH - 24" x 24"



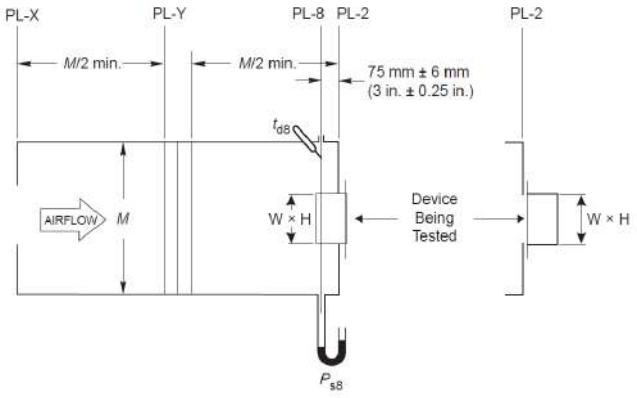
PRESSURE DROP OF DAMPER

24" x 24" - (610 x 610)	
Intake	
Velocity	Pressure Drop
(fpm)	(in. w.g.)
2557	1.082
1965	0.683
1472	0.432
979	0.27
434	0.17

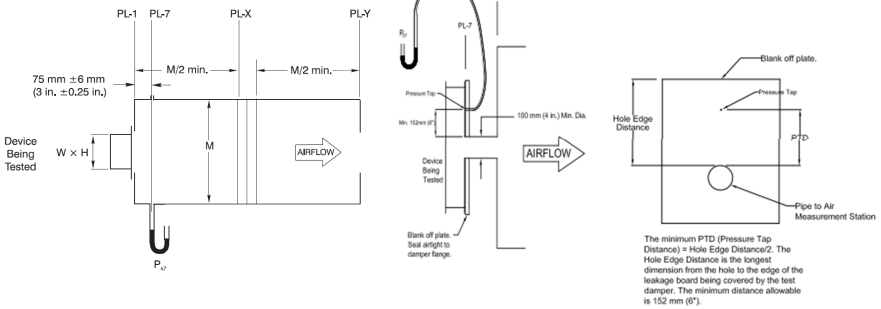
AIR LEAKAGE GRAPH



Test Figure 5.5 - Test Damper Setup with Inlet Chamber



Test Figure 5.4 - Test Damper Setup with Outlet Chamber



CVS DAMPER SERIES

SUGGESTED SPECIFICATION:

Central Ventilation Systems certifies that the Backdraft Damper Models CB 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.

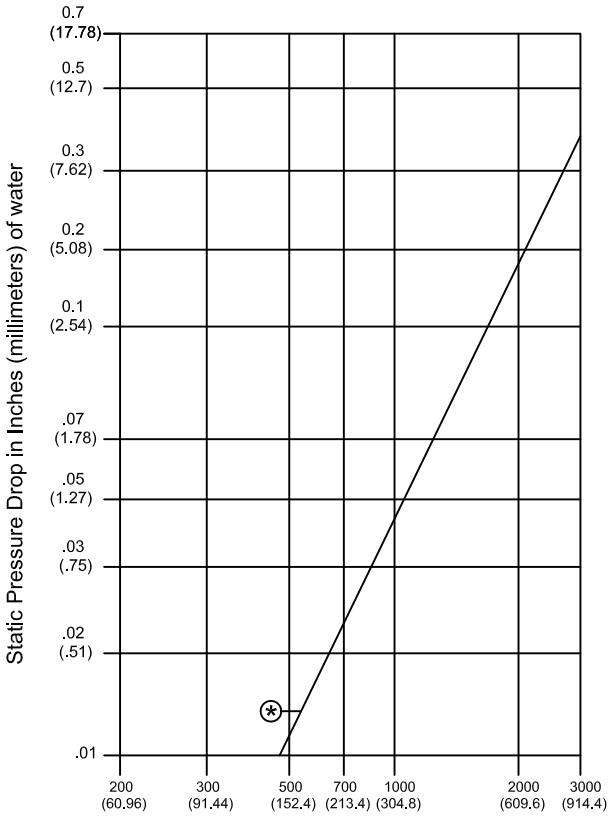
The AMCA Certified Ratings Seal applies to air performance and air leakage ratings only.

DAMPER PERFORMANCE

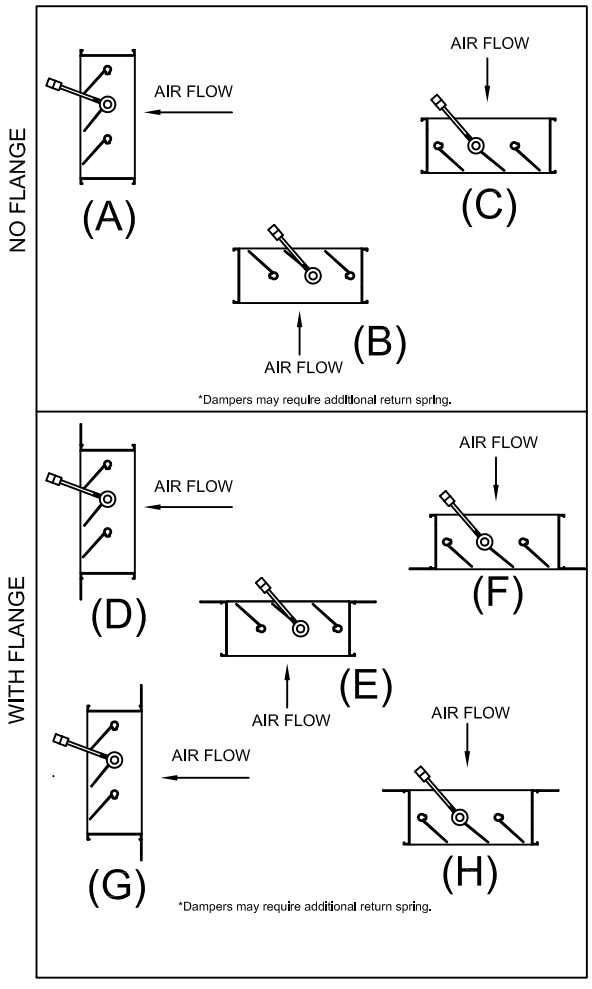
DAMPER WIDTH	MAXIMUM BACK PRESSURE	MAXIMUM SYSTEM VELOCITY	LEAKAGE*		BLADES START TO OPEN	BLADES FULLY OPEN
			Percent of Max. Flow	CFM/ Sq. Ft.		
48" (1219)	4.0" w.g.	4000 FPM	.61	15	**.01" w.g.	**.05" w.g.
36" (914)	8.0" w.g.	4000 FPM	.6	15		
24" (610)	12.0" w.g.	4000 FPM	.72	18		
12" (305)	16.0" w.g.	4000 FPM	1	24		

*Leakage information based on pressure differential of 1" w.g. tested per AMCA Std. 500.
**set at least resistant to open

DAMPER PRESSURE DROP
(24" X 24")



HCB-700 AIR FLOW ARRANGEMENTS
Standard weights at jamb
(assist to CLOSE)



DAMPER PERFORMANCE

DAMPER WIDTH	MAXIMUM BACK PRESSURE	MAXIMUM SYSTEM VELOCITY	LEAKAGE*		BLADES START TO OPEN	BLADES FULLY OPEN
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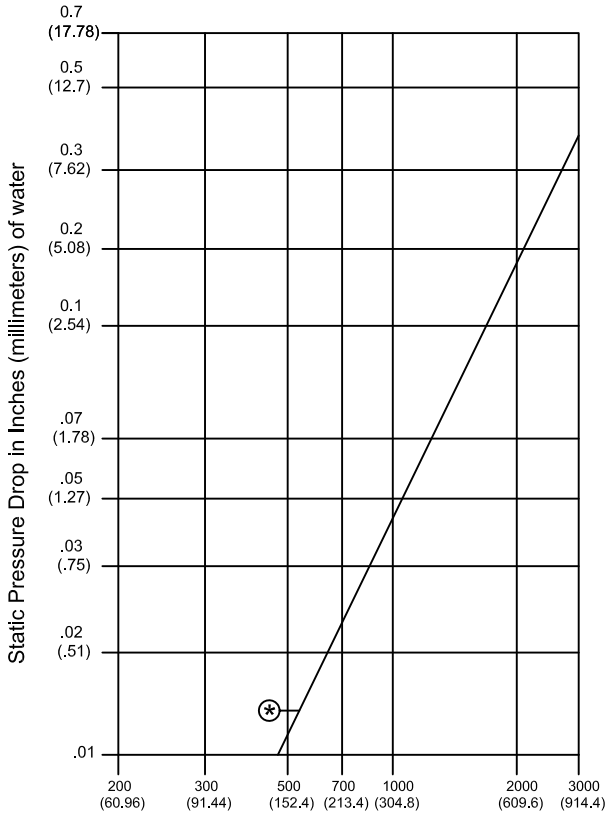
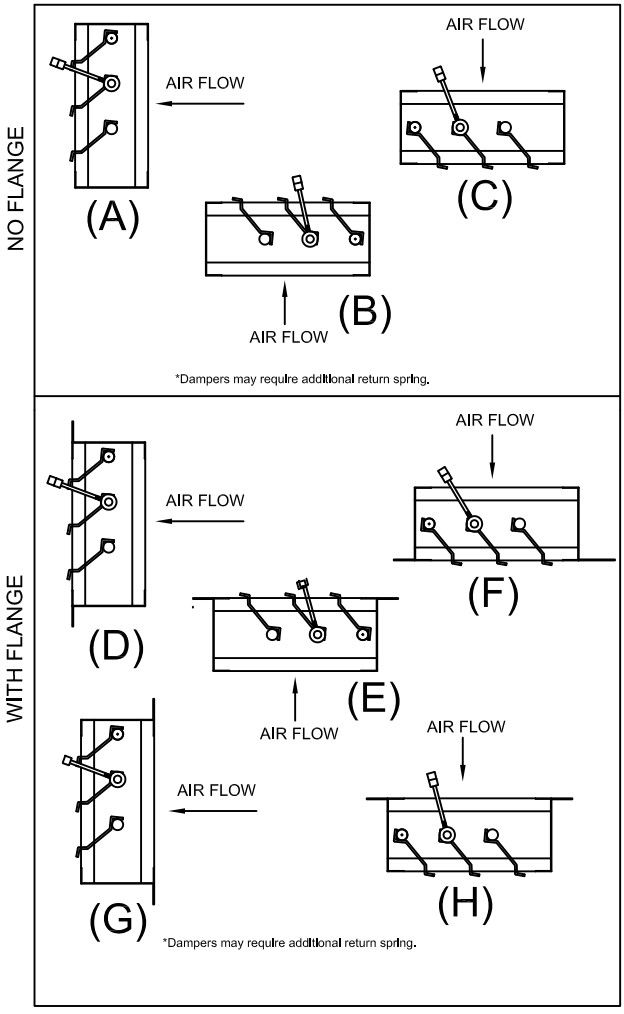
12" (305)	16.0" w.g.	4000 FPM	1	24		

*Leakage information based on pressure differential of 1" w.g. tested per AMCA Std. 500.
**set at least resistant to open

DAMPER PRESSURE DROP
(24" X 24")



HCB-750 AIR FLOW ARRANGEMENTS
Standard counter weights at jamb
(assist to CLOSE)



STATIC PRESSURE RELIEF DAMPER

Application and Design

The Static Pressure Relief Damper, Model RCD, is a single blade steel damper with counterbalanced weighted arm. The RCD is used as a relief damper to by-pass excess air when various zone dampers close down. The RCD can be adjusted by moving the weight up and down the damper arm and also by off-setting the arm to the damper blade. The RCD is recommended for use on systems with less than 0.3" static pressure.

Additional weights can be ordered for optimum control of the damper.

MODEL RCD

Construction:

Frame: .081" Extruded Aluminum

Blade: .090" Aluminum

SIZES AVAILABLE:

12 x 8	1000 cfm	20 x 8	1600 cfm
12 x 10	1200 cfm	20 x 10	2000 cfm
12 x 12	1400 cfm	20 x 12	3000 cfm

CONSULT FACTORY FOR OTHER SIZES

Job Name:	☐ **MODEL RCD**
Location:	
Architect:	
Engineer:	
Contractor:	