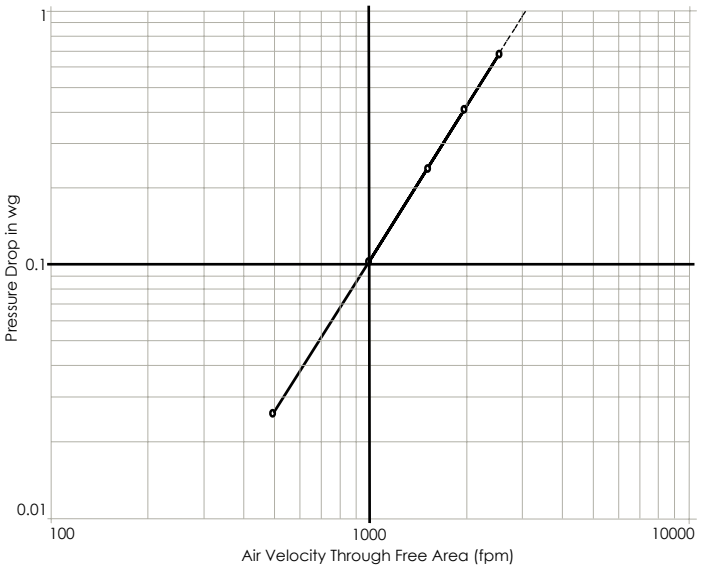
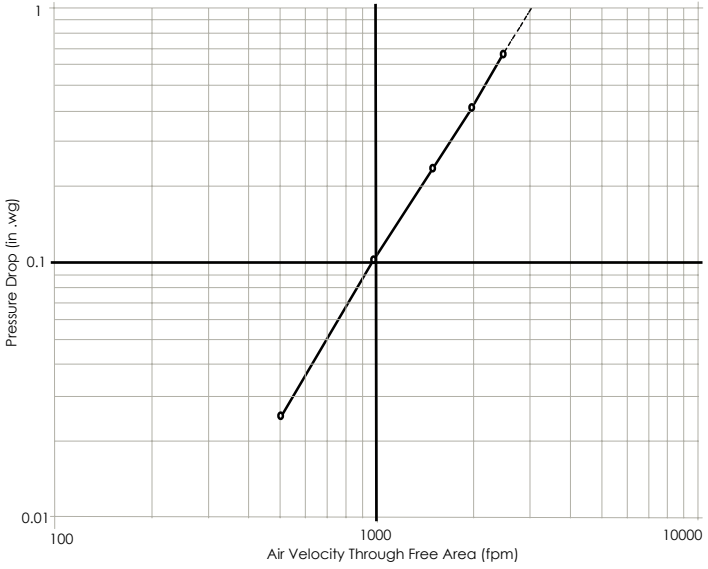
PRESSURE DROP - INTAKE



Tested in accordance with ANSI/AMCA 500-L, Figure 5.5
Test sample size is 1220 mm x 1220 mm (48 in. x 48 in.)
Air performance data are based on Intake performance with standard air - 0.075 lb/ft^3

Detail No.	$V_{Free\ Area}$ (fpm)	ΔP_{DS} (in. wg)
1	2497	0.68
2	1989	0.43
3	1493	0.24
4	1001	0.11
5	499	0.03

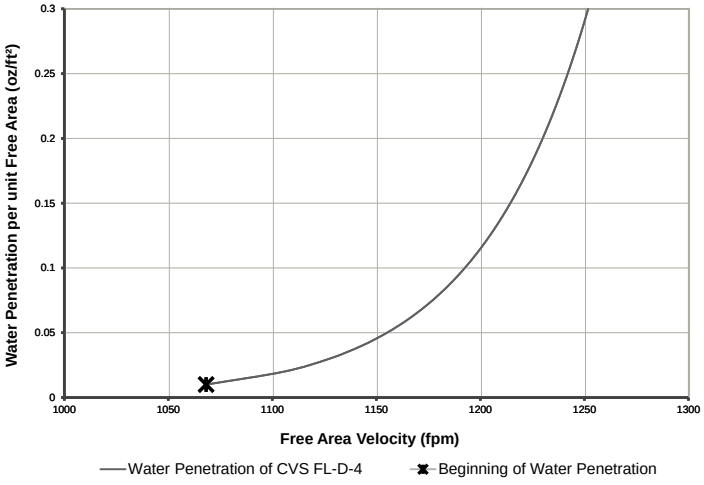
PRESSURE DROP - EXHAUST



Tested in accordance with ANSI/AMCA 500-L, Figure 5.5
Test sample size is 1220 mm x 1220 mm (48 in. x 48 in.)
Air performance data are based on Exhaust performance with standard air - 0.075 lb/ft^3

Detail No.	$V_{Free\ Area}$ (fpm)	ΔP_{DS} (in. wg)
1	2500	0.68
2	1992	0.41
3	1493	0.24
4	998	0.10
5	499	0.02

WATER PENETRATION



Test sample size is 1220 mm x 1220 mm 48 in. x 48 in.
Beginning of water penetration per AMCA Publication 511 Section 8.3.2 based on AMCA measured free area: **1068.3 fpm**

Detail No.	$V_{Free\ Area}$ (fpm)	Net Weight (oz./ft. ^{2})
1	927	0.001
2	1031	0.003
3	1083	0.016
4	1135	0.035

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary drainable type with drain gutters in each blade and downspouts in jambs and mullions. Stationary drainable blades shall be contained within a 4.19" (106 mm) frame. Louver components (heads, jambs, sills, blades and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built by the contractor from factory assembled louver sections to provide overall sizes required.

Louvers shall be model CVS FL-D-4, 6063-T6 Aluminum construction as follows:

FRAME: 4.19" (106 mm) deep, 0.081" (2 mm) nominal wall thickness.
BLADES: 0.081" (2 mm) nominal wall thickness. Blades are positioned at 39°angle and spaced approx. 2.88" (73.15 mm) center to center.
SCREEN: 0.5" x 0.039" (12 mm x 1 mm) wire mesh or flattened aluminium on the inside (rear).
FINISH: Select finish specification from CVS Finishes brochure.

Published louver performance bearing the AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less then the CVS model specified.

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate. The louver system should be designed with a reasonable safety factor for louver performance to ensure protection from water carryover, design with a performance level somewhat below maximum desired pressure drop and 0.01 oz./sq/ ft. of water penetration.