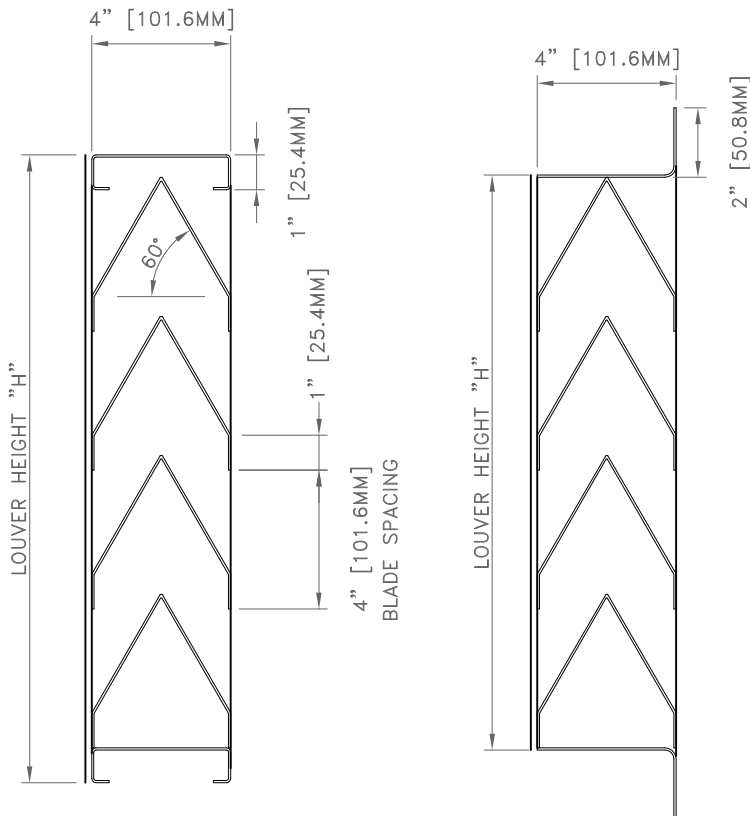


**HORIZONTAL SECTION**



**SC-450**  
VERTICAL SECTION

**SF-450**  
VERTICAL SECTION



**STEEL CHEVRON LOUVER**  
**SC-450 SF-450**

STANDARD SPECIFICATIONS

- CONST. - FORMED GALVANIZED STEEL, WELDED ASSEMBLY
- FRAME - 4" X 1" X 16 GAUGE (101.6MM X 25.4MM X 1.6MM), CHANNEL UP TO 48" (1219.2MM), 4" X 1.5" X 16 GAUGE (101.6MM X 38.1MM X 16 MM) OVER 48" (1219.2MM) BUTT CORNERS
- BLADES - 4" X 16 GA. (101.6MM X 1.6MM), SET AT 60°, 4" (101.6MM) SPACING
- SCREEN - .5" X .5" (12.7MM X 12.7MM) X 18 GA. GALVANIZED, SCREW FASTENED
- FINISH - MILL GALVANIZED
- SIZE - MINIMUM 12" W X 12" H (304.8MM X 304.8MM)  
MAXIMUM SECTION WIDTH 72" (1828.8MM)  
MAXIMUM SECTION HEIGHT 120" (3048MM)  
MAXIMUM SECTION SIZE 40 SQ. FT.

OPTIONS

- FRAME - SF-FLANGE FRAME 2" X 16 GA. (50.8MM X 1.6MM) STEEL ANGLE, MITERED CORNERS
- SCREEN - AS PER REQUEST
- FINISH - MINIMUM PRIME COAT OR BAKED ENAMEL IS RECOMMENDED

TECHNICAL NOTES

- CORROSION RESISTANCE IS LOST UPON WELDING, SEE OPTIONAL FINISHES
- MAX. REC. INTAKE VEL. - 645 FPM THROUGH FREE AREA
- SHIPPING WEIGHT - APPROX. 12 LBS./SQ. FT.

LOUVERS ARE MANUFACTURED .5" (12.7MM) SMALLER THAN ORDERED SIZE UNLESS EXACT DIMENSIONS ARE STATED

\* FOR MORE INFORMATION, CONTACT OUR FACTORY \*

**NOTES**

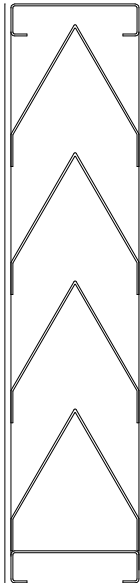
**APPROVAL**

DATE:  
PROJECT:  
ENGINEER:  
CUSTOMER:  
DISTRIBUTOR:

SC-450 CHEVRON



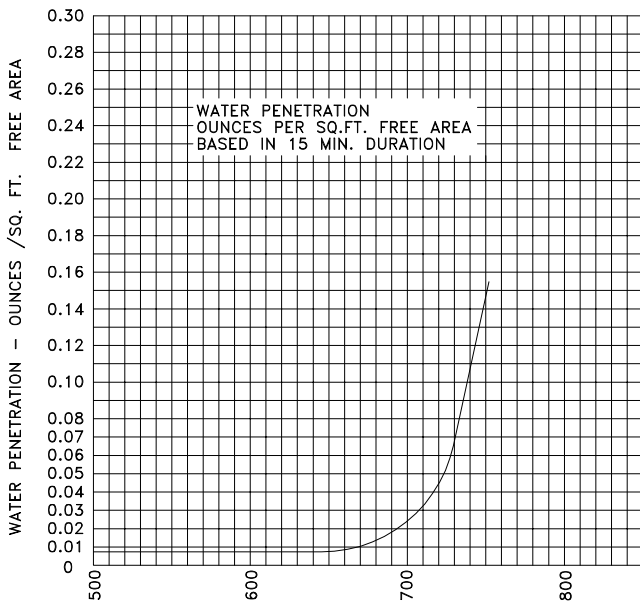
# STEEL CHEVRON LOUVER SC-450



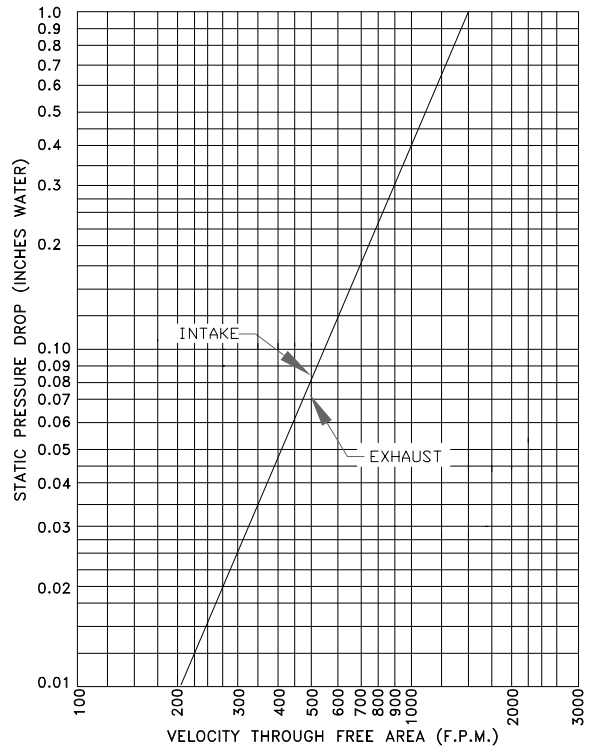
TEST  
CONDITIONS:  
A 48" X 48"  
LOUVER WAS  
USED FOR  
THE TEST  
AT STANDARD  
AND  
OPERATING  
TEMPERATURE  
RANGE OF  
65°F - 85°F,  
AND  
15 MINUTES  
TEST DURATION  
WATER PENETRATION

		WIDTH (INCHES)										
		12	18	24	30	36	42	48	54	60	66	72
HEIGHT (INCHES)	12	0.20	0.32	0.43	0.55	0.66	1.13	0.89	1.01	1.12	1.24	1.35
	16	0.30	0.49	0.67	0.86	1.04	1.58	1.41	1.60	1.78	1.97	2.15
	20	0.40	0.66	0.91	1.17	1.42	2.03	1.94	2.19	2.45	2.70	2.96
	24	0.51	0.83	1.16	1.48	1.81	2.48	2.46	2.78	3.11	3.43	3.76
	28	0.61	1.00	1.40	1.79	2.19	2.94	2.98	3.38	3.77	4.17	4.56
	32	0.71	1.17	1.64	2.11	2.57	3.39	3.50	3.97	4.44	4.90	5.37
	36	0.81	1.35	1.88	2.42	2.95	3.84	4.03	4.56	5.10	5.63	6.17
	40	0.91	1.52	2.12	2.73	3.34	4.29	4.55	5.16	5.76	6.37	6.97
	44	1.01	1.69	2.37	3.04	3.72	4.75	5.07	5.75	6.42	7.10	7.78
	48	1.12	1.86	2.61	3.36	4.10	5.20	5.59	6.34	7.09	7.83	8.58
	52	1.22	2.03	2.85	3.67	4.48	5.65	6.12	6.93	7.75	8.57	9.38
	56	1.32	2.21	3.09	3.98	4.87	6.10	6.64	7.53	8.41	9.30	10.19
60	1.42	2.38	3.34	4.29	5.25	6.56	7.16	8.12	9.08	10.03	10.99	
64	1.52	2.55	3.58	4.60	5.63	7.01	7.69	8.71	9.74	10.77	11.79	
68	1.63	2.72	3.82	4.92	6.01	7.46	8.21	9.31	10.40	11.50	12.60	
72	1.73	2.89	4.06	5.23	6.40	7.91	8.73	9.90	11.07	12.23	13.40	
76	1.83	3.07	4.30	5.54	6.78	8.37	9.25	10.49	11.73	12.97	14.20	
80	1.93	3.24	4.55	5.85	7.16	8.82	9.78	11.08	12.39	13.70	15.01	
84	2.03	3.41	4.79	6.17	7.54	9.27	10.30	11.68	13.05	14.43	15.81	
88	2.13	3.58	5.03	6.48	7.93	9.72	10.82	12.27	13.72	15.17	16.61	
92	2.24	3.75	5.27	6.79	8.31	10.18	11.34	12.86	14.38	15.90	17.42	
96	2.34	3.93	5.51	7.10	8.69	10.63	11.87	13.46	15.04	16.63	18.22	
100	2.44	4.10	5.76	7.42	9.07	11.08	12.39	14.05	15.71	17.37	19.02	
104	2.54	4.27	6.00	7.73	9.46	11.54	12.91	14.64	16.37	18.10	19.83	
108	2.64	4.44	6.24	8.04	9.84	11.99	13.44	15.23	17.03	18.83	20.63	
112	2.75	4.61	6.48	8.35	10.44	12.44	13.96	15.83	17.70	19.56	21.43	
116	2.85	4.79	6.73	8.66	10.60	12.89	14.48	16.42	18.36	20.30	22.24	
120	2.95	4.96	6.97	8.98	10.99	13.35	15.00	17.01	19.02	21.03	23.04	

FREE AREA TABLE (SQ. FEET)  
RATINGS INCLUDE THE EFFECT OF A BIRD SCREEN



WATER PENETRATION GRAPH  
645 F.P.M. BEGINNING OF WATER PENETRATION  
(7.33 MPH WIND)



AIR PERFORMANCE GRAPH

THE INFORMATION CONTAINED ON THIS DATA SHEET REMAINS THE PROPERTY OF WESTERN VENTILATION PRODUCTS LTD. AND IS PROTECTED BY COPYRIGHT. WESTVENT AIR PERFORMANCE RATINGS SHOWN ARE BASED ON TESTS MADE BY TECHNICIANS IN OUR TEST LABORATORY.