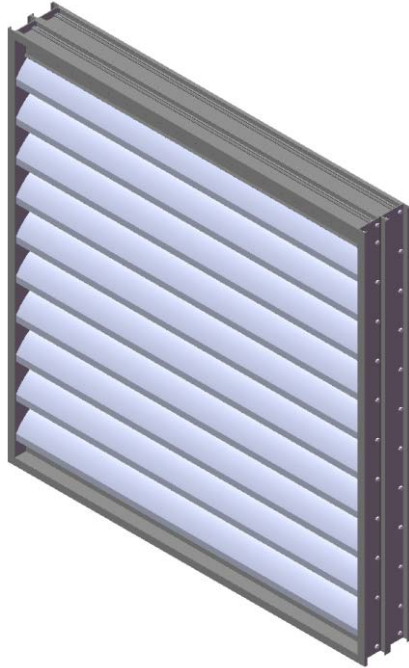


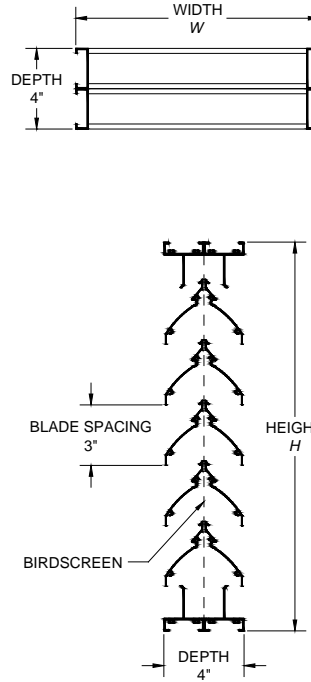


LOUVERS & BACK DRAFT DAMPERS

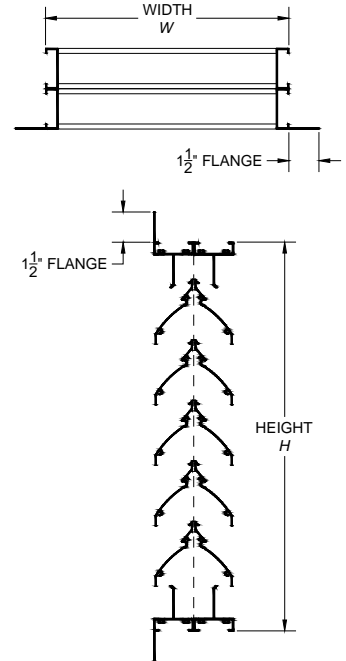
**2440 / 2445**  
4" DEEP TRANSFORMER VAULT LOUVER



**MODEL: 2440**  
**FRAME: CHANNEL FRAME**  
**DUCT-MOUNT (DM)**



**MODEL: 2445**  
**FRAME: FLANGE FRAME**  
**FLANGE-MOUNT (FM)**



PERFORMANCE			
LOUVER UNIT SIZE	TOTAL AREA	FREE AREA	FREE AREA
48" x 48"	16 ft <sup>2</sup>	7.22 ft <sup>2</sup>	<b>45.1%</b>
(1219 x 1219 mm)	(1.49 m <sup>2</sup> )	(0.67 m <sup>2</sup> )	
BEGINNING POINT OF WATER PENETRATION AT 0.01 oz./ft <sup>2</sup> FREE AREA:			<b>573 FPM</b>

STANDARD CONSTRUCTION	
DEPTH:	4" (102 mm)
MATERIAL:	EXTRUDED ALUMINUM - 6063-T5 ALLOY
FRAME THICKNESS:	0.062" (1.57 mm)
BLADE THICKNESS:	0.062" (1.57 mm)
BLADE ANGLE:	45°
BLADE CENTRES:	3" (76 mm)
BIRDSCREEN:	19 GA. GALVANIZED BIRDSCREEN - 1/2" x 1/2" OPENINGS
FINISH:	MILL

SIZE LIMITATIONS: SINGLE SECTION LOUVER		
	MINIMUM	MAXIMUM
WIDTH	12" (305 mm)	72" (1829 mm)
HEIGHT	8" (203 mm)	72" (1829 mm)
AREA	0.67 ft <sup>2</sup> (0.06 m <sup>2</sup> )	36 ft <sup>2</sup> (3.34 m <sup>2</sup> )

"LOUVER WILL BE MANUFACTURED 1/4" (6.4 mm) SMALLER (SINGLE SECTION) AND 1/2" (12.7 mm) SMALLER (MULTIPLE SECTION) THAN GIVEN OPENING DIMENSIONS UNLESS OTHERWISE SPECIFIED

AVAILABLE ACCESSORIES		
<b>FINISH:</b>	<b>SCREENS:</b>	<b>BLANK-OFF PANELS (ALUMINUM):</b> VARIOUS GAUGES
<ul style="list-style-type: none"> <li>• BAKED ENAMEL FINISH</li> <li>• DURANAR FINISH</li> <li>• ANODIZED FINISH               <ul style="list-style-type: none"> <li>○ CLEAR ANODIZED</li> <li>○ LIGHT BRONZE</li> <li>○ MEDIUM BRONZE</li> <li>○ DARK BRONZE</li> <li>○ BLACK ANODIZED</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• BIRDSCREEN               <ul style="list-style-type: none"> <li>○ 1/2" x 1/2" INTER CRIMPED ALUMINUM</li> <li>○ ALUMINUM BIRDSCREEN WITH FRAME</li> </ul> </li> <li>• INSECT SCREEN               <ul style="list-style-type: none"> <li>○ 18 x 14 MESH</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• NON-INSULATED BLANK-OFF PANELS</li> <li>• INSULATED BLANK-OFF PANELS               <ul style="list-style-type: none"> <li>○ 1" (25.4 mm) INSULATION</li> <li>○ 2" (50.8 mm) INSULATION</li> </ul> </li> </ul>
<b>OTHER:</b>		
<ul style="list-style-type: none"> <li>• EXTENDED SILLS</li> <li>• SECURITY BARS</li> <li>• FILTER RACKS</li> <li>• STAINLESS STEEL FASTENERS</li> <li>• ALL WELDED CONSTRUCTION</li> </ul>		



**LOUVERS & BACK DRAFT DAMPERS**

**2440 / 2445**  
4" DEEP TRANSFORMER VAULT LOUVER

**FREE AREA (Sq. Ft.)**

		WIDTH (INCHES)															
		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
8	HEIGHT (INCHES)	0.13	0.18	0.23	0.28	0.33	0.38	0.42	0.47	0.52	0.62	0.67	0.72	0.77	0.82	0.87	
12	HEIGHT (INCHES)	0.28	0.39	0.50	0.60	0.71	0.81	0.92	1.02	1.13	1.24	1.34	1.45	1.55	1.66	1.76	1.87
16	HEIGHT (INCHES)	0.43	0.59	0.75	0.91	1.07	1.23	1.38	1.54	1.70	1.86	2.02	2.18	2.34	2.50	2.66	2.82
20	HEIGHT (INCHES)	0.59	0.81	1.03	1.25	1.47	1.69	1.91	2.13	2.35	2.57	2.78	3.00	3.22	3.44	3.66	3.88
24	HEIGHT (INCHES)	0.74	1.02	1.29	1.57	1.85	2.12	2.40	2.68	2.95	3.23	3.50	3.78	4.06	4.33	4.61	4.89
28	HEIGHT (INCHES)	0.89	1.22	1.55	1.88	2.21	2.54	2.87	3.20	3.53	3.86	4.19	4.52	4.85	5.18	5.51	5.84
32	HEIGHT (INCHES)	1.05	1.44	1.83	2.22	2.61	3.00	3.39	3.78	4.17	4.56	4.95	5.34	5.73	6.12	6.51	6.90
36	HEIGHT (INCHES)	1.20	1.65	2.09	2.54	2.99	3.43	3.88	4.33	4.78	5.22	5.67	6.12	6.56	7.01	7.46	7.90
40	HEIGHT (INCHES)	1.35	1.85	2.35	2.85	3.35	3.85	4.35	4.85	5.35	5.85	6.35	6.85	7.35	7.85	8.35	8.85
44	HEIGHT (INCHES)	1.51	2.07	2.63	3.19	3.75	4.31	4.87	5.43	5.99	6.55	7.11	7.67	8.23	8.79	9.35	9.92
48	HEIGHT (INCHES)	1.66	2.28	2.89	3.51	4.13	4.75	5.36	5.98	6.60	7.22	7.83	8.45	9.07	9.68	10.30	10.92
52	HEIGHT (INCHES)	1.80	2.47	3.15	3.82	4.49	5.16	5.83	6.50	7.17	7.84	8.51	9.19	9.86	10.53	11.20	11.87
56	HEIGHT (INCHES)	1.96	2.70	3.43	4.16	4.89	5.62	6.35	7.08	7.81	8.55	9.28	10.01	10.74	11.47	12.20	12.93
60	HEIGHT (INCHES)	2.12	2.91	3.69	4.48	5.27	6.06	6.85	7.63	8.42	9.21	10.00	10.78	11.57	12.36	13.15	13.94
64	HEIGHT (INCHES)	2.26	3.10	3.95	4.79	5.63	6.47	7.31	8.15	9.00	9.84	10.68	11.52	12.36	13.20	14.04	14.89
68	HEIGHT (INCHES)	2.42	3.32	4.23	5.13	6.03	6.93	7.83	8.74	9.64	10.54	11.44	12.34	13.24	14.15	15.05	15.95
72	HEIGHT (INCHES)	2.58	3.53	4.49	5.45	6.41	7.37	8.33	9.29	10.24	11.20	12.16	13.12	14.08	15.04	15.99	16.95

**FREE AREA (%)**

		WIDTH (INCHES)															
		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
8	HEIGHT (INCHES)	19.7%	20.3%	20.6%	20.9%	21.0%	21.2%	21.2%	21.3%	21.4%	21.4%	21.5%	21.5%	21.6%	21.6%	21.6%	21.6%
12	HEIGHT (INCHES)	28.4%	29.2%	29.7%	30.1%	30.3%	30.5%	30.6%	30.7%	30.8%	30.9%	30.9%	31.0%	31.0%	31.1%	31.1%	31.2%
16	HEIGHT (INCHES)	32.1%	33.1%	33.6%	34.0%	34.3%	34.5%	34.6%	34.7%	34.8%	34.9%	35.0%	35.1%	35.1%	35.2%	35.2%	35.2%
20	HEIGHT (INCHES)	35.4%	36.4%	37.0%	37.4%	37.7%	38.0%	38.1%	38.3%	38.4%	38.5%	38.6%	38.6%	38.7%	38.7%	38.8%	38.8%
24	HEIGHT (INCHES)	37.1%	38.2%	38.8%	39.3%	39.6%	39.8%	40.0%	40.1%	40.3%	40.4%	40.4%	40.5%	40.6%	40.6%	40.7%	40.7%
28	HEIGHT (INCHES)	38.0%	39.1%	39.8%	40.2%	40.5%	40.8%	41.0%	41.1%	41.2%	41.3%	41.4%	41.5%	41.5%	41.6%	41.6%	41.7%
32	HEIGHT (INCHES)	39.3%	40.4%	41.1%	41.6%	41.9%	42.2%	42.4%	42.5%	42.6%	42.7%	42.8%	42.9%	43.0%	43.0%	43.1%	43.1%
36	HEIGHT (INCHES)	40.0%	41.2%	41.9%	42.4%	42.7%	42.9%	43.1%	43.3%	43.4%	43.5%	43.6%	43.7%	43.7%	43.8%	43.9%	43.9%
40	HEIGHT (INCHES)	40.4%	41.5%	42.2%	42.7%	43.0%	43.3%	43.5%	43.6%	43.8%	43.9%	44.0%	44.0%	44.1%	44.2%	44.2%	44.3%
44	HEIGHT (INCHES)	41.1%	42.3%	43.0%	43.5%	43.8%	44.1%	44.3%	44.4%	44.6%	44.7%	44.8%	44.8%	44.9%	45.0%	45.0%	45.1%
48	HEIGHT (INCHES)	41.5%	42.7%	43.4%	43.9%	44.2%	44.5%	44.7%	44.9%	45.0%	45.1%	45.2%	45.3%	45.3%	45.4%	45.5%	45.5%
52	HEIGHT (INCHES)	41.6%	42.8%	43.6%	44.0%	44.4%	44.6%	44.8%	45.0%	45.1%	45.2%	45.3%	45.4%	45.5%	45.6%	45.6%	45.7%
56	HEIGHT (INCHES)	42.1%	43.3%	44.1%	44.6%	44.9%	45.2%	45.4%	45.5%	45.7%	45.8%	45.9%	46.0%	46.0%	46.1%	46.1%	46.2%
60	HEIGHT (INCHES)	42.4%	43.6%	44.3%	44.8%	45.2%	45.4%	45.6%	45.8%	45.9%	46.0%	46.1%	46.2%	46.3%	46.4%	46.4%	46.5%
64	HEIGHT (INCHES)	42.4%	43.6%	44.4%	44.9%	45.2%	45.5%	45.7%	45.9%	46.0%	46.1%	46.2%	46.3%	46.4%	46.4%	46.5%	46.5%
68	HEIGHT (INCHES)	42.8%	44.0%	44.8%	45.3%	45.6%	45.9%	46.1%	46.2%	46.4%	46.5%	46.6%	46.7%	46.7%	46.8%	46.9%	46.9%
72	HEIGHT (INCHES)	42.9%	44.2%	44.9%	45.4%	45.8%	46.1%	46.3%	46.4%	46.6%	46.7%	46.8%	46.9%	46.9%	47.0%	47.0%	47.1%

**MAXIMUM RECOMMENDED INTAKE CFM**  
**\*FOR MAXIMUM INTAKE VELOCITY OF 400 FPM**

		WIDTH (INCHES)															
		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
8	HEIGHT (INCHES)	53	72	92	111	131	150	170	190	209	229	248	268	287	307	327	346
12	HEIGHT (INCHES)	114	156	198	240	283	325	367	410	452	494	536	579	621	663	706	748
16	HEIGHT (INCHES)	171	235	299	363	426	490	554	618	682	745	809	873	937	1000	1064	1128
20	HEIGHT (INCHES)	236	324	412	499	587	675	763	850	938	1026	1114	1202	1289	1377	1465	1553
24	HEIGHT (INCHES)	297	407	518	628	739	849	960	1070	1181	1291	1402	1512	1623	1733	1844	1954
28	HEIGHT (INCHES)	355	487	619	751	883	1015	1147	1279	1411	1543	1675	1807	1939	2071	2203	2335
32	HEIGHT (INCHES)	419	575	731	887	1043	1199	1355	1511	1667	1823	1979	2135	2291	2447	2603	2759
36	HEIGHT (INCHES)	480	659	838	1016	1195	1374	1553	1731	1910	2089	2268	2446	2625	2804	2982	3161
40	HEIGHT (INCHES)	538	738	938	1139	1339	1539	1739	1940	2140	2340	2540	2740	2941	3141	3341	3541
44	HEIGHT (INCHES)	603	827	1051	1275	1500	1724	1948	2172	2396	2621	2845	3069	3293	3518	3742	3966
48	HEIGHT (INCHES)	664	911	1158	1404	1651	1898	2145	2392	2639	2886	3133	3380	3627	3874	4121	4368
52	HEIGHT (INCHES)	721	990	1258	1527	1795	2064	2332	2600	2869	3137	3406	3674	3943	4211	4479	4748
56	HEIGHT (INCHES)	786	1078	1371	1663	1956	2248	2541	2833	3126	3418	3711	4003	4295	4588	4880	5173
60	HEIGHT (INCHES)	847	1162	1477	1793	2108	2423	2738	3053	3368	3684	3999	4314	4629	4944	5259	5575
64	HEIGHT (INCHES)	905	1241	1578	1915	2251	2588	2925	3261	3598	3935	4271	4608	4945	5281	5618	5955
68	HEIGHT (INCHES)	969	1330	1691	2051	2412	2773	3133	3494	3855	4215	4576	4937	5297	5658	6019	6379
72	HEIGHT (INCHES)	1030	1414	1797	2181	2564	2947	3331	3714	4097	4481	4864	5248	5631	6014	6398	6781

**RECOMMENDED SPECIFICATION**

Furnish and install stationary louver models 2440 / 2445 as manufactured by Ventex Inc, Bolton, Ontario. Louvers shall be 4" (102 mm) deep. Blades shall be 0.062" (1.57 mm) extruded 6063-T5 aluminum alloy and frame shall be 0.062" (1.57 mm) extruded 6063-T5 aluminum alloy. Louvers shall have 19 gauge galvanized 1/2" x 1/2" birdscreen. All materials shall be factory finished after assembly with Polyester Power Coat in a color selected from the Ventex Color Chart.



LOUVERS & BACK DRAFT DAMPERS

**2440 / 2445**  
4" DEEP TRANSFORMER VAULT LOUVER