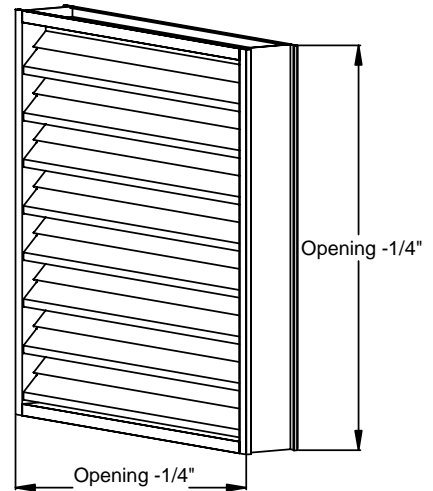
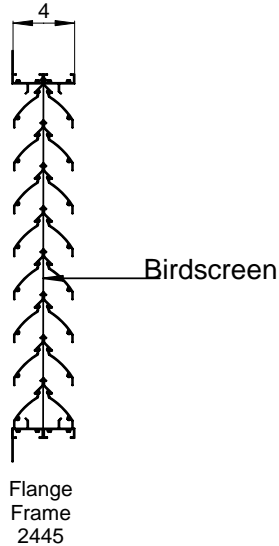




LOUVERS & DAMPERS

2440 & 2445 4 INCH EXTRUDED ALUMINIUM HYDRO VAULT LOUVER



Quantity	Ref. #	Width (W) Opening Size*	Height (H) Opening Size*	Frame	Accessories
PROJECT NAME:				ENGINEER:	
CONTRACTOR:				SUBMITTAL DATE:	

STANDARD CONSTRUCTION

- Depth:** 4 Inches (101 mm)
- Frame Style:** Specify 2440 For Channel Frame
Specify 2445 For Flange Frame
- Frame Thickness:** 0.063" 6063-T5 Extruded Aluminium
- Blade Thickness:** 0.063" 6063-T5 Extruded Aluminium
- Blade Centres:** 3 Inches (76 mm)
- Blade Angle:** 45 Degrees
- Minimum Height:** 12 Inches (304 mm)
- Maximum Panel Width:** 72 Inches (1829 mm)
- Maximum Panel Height:** 96 Inches (2438 mm)
- Standard Finish:** Mill
- Standard Birdscreen:** 1/2" x 1/2" Galvanized
- Free Area of 48" x 48" Unit:** 7.37 Sq. ft. (0.685²) Free Area
- Free Area Percentage:** 46.1 Percent

AVAILABLE ACCESSORIES

- Bird Screen:** 1/4 x 1/4 Inter Crimped Aluminium
1/2 x 1/2 Inter Crimped Aluminium
- Insect Screen:** 18 x 14 Mesh
- Finish:** Mill Finish (Standard)
Paint Color #: V
- Anodized Finish:** Clear Light Bronze
Medium Bronze Dark Bronze
- Accessories:** Aluminium Blank Off Panel
1" or 2" Insulated Blank Off Panel
Assembled with Stainless Steel Fasteners
Security Bars
Extended Sills
Extended Sleeves

*Louver will be manufactured 1/4" smaller than given opening dimensions, unless otherwise specified.



Model 2440 and Model 2445
Hydro Vault Louver
Free Area in Square Feet

		WIDTH IN INCHES															
Inches		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
	12	0.31	0.42	0.54	0.65	0.76	0.88	0.99	1.11	1.22	1.34	1.45	1.56	1.68	1.79	1.91	2.02
	16	0.44	0.61	0.78	0.94	1.11	1.27	1.44	1.60	1.77	1.93	2.10	2.27	2.43	2.60	2.76	2.93
H	20	0.62	0.86	1.09	1.32	1.55	1.78	2.02	2.25	2.48	2.71	2.95	3.18	3.41	3.64	3.87	4.11
	24	0.73	1.00	1.27	1.54	1.81	2.08	2.35	2.62	2.89	3.16	3.43	3.71	3.98	4.25	4.52	4.79
E	28	0.91	1.25	1.59	1.93	2.27	2.61	2.94	3.28	3.62	3.96	4.30	4.64	4.98	5.32	5.66	5.99
	32	1.16	1.59	2.02	2.45	2.88	3.32	3.75	4.18	4.61	5.04	5.47	5.90	6.33	6.77	7.20	7.63
I	36	1.18	1.63	2.07	2.51	2.95	3.39	3.83	4.27	4.71	5.15	5.59	6.03	6.47	6.92	7.36	7.80
	40	1.33	1.83	2.33	2.82	3.32	3.81	4.31	4.81	5.30	5.80	6.29	6.79	7.29	7.78	8.28	8.77
G	44	1.67	2.30	2.92	3.54	4.16	4.79	5.41	6.03	6.65	7.28	7.90	8.52	9.14	9.77	10.39	11.01
	48	1.70	2.33	2.96	3.59	4.22	4.85	5.48	6.11	6.74	7.37	8.00	8.63	9.26	9.90	10.53	11.16
H	52	1.81	2.49	3.16	3.84	4.51	5.19	5.86	6.54	7.21	7.89	8.56	9.24	9.91	10.59	11.26	11.94
	56	1.99	2.73	3.47	4.21	4.95	5.69	6.43	7.17	7.92	8.66	9.40	10.14	10.88	11.62	12.36	13.10
T	60	2.07	2.85	3.62	4.39	5.16	5.93	6.71	7.48	8.25	9.02	9.79	10.57	11.34	12.11	12.88	13.65
	64	2.22	3.05	3.88	4.70	5.53	6.36	7.18	8.01	8.84	9.67	10.49	11.32	12.15	12.97	13.80	14.63
	68	2.36	3.24	4.11	4.99	5.87	6.75	7.62	8.50	9.38	10.26	11.13	12.01	12.89	13.77	14.64	15.52
	72	2.94	4.03	5.13	6.22	7.31	8.41	9.50	10.59	11.69	12.78	13.87	14.97	16.06	17.15	18.25	19.34

Percentage Of Free Area

		WIDTH IN INCHES															
Inches		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
	12	30.7%	31.6%	32.1%	32.5%	32.7%	32.9%	33.1%	33.2%	33.3%	33.4%	33.5%	33.5%	33.6%	33.6%	33.6%	33.7%
	16	33.4%	34.3%	34.9%	35.3%	35.6%	35.8%	36.0%	36.1%	36.2%	36.3%	36.4%	36.4%	36.5%	36.5%	36.6%	36.6%
H	20	37.4%	38.5%	39.2%	39.6%	39.9%	40.2%	40.3%	40.5%	40.6%	40.7%	40.8%	40.9%	40.9%	41.0%	41.0%	41.1%
	24	36.4%	37.4%	38.1%	38.5%	38.8%	39.0%	39.2%	39.3%	39.5%	39.6%	39.6%	39.7%	39.8%	39.8%	39.9%	39.9%
E	28	39.0%	40.2%	40.9%	41.3%	41.6%	41.9%	42.1%	42.2%	42.3%	42.4%	42.5%	42.6%	42.7%	42.7%	42.8%	42.8%
	32	43.5%	44.7%	45.5%	46.0%	46.3%	46.6%	46.8%	47.0%	47.1%	47.3%	47.3%	47.4%	47.5%	47.6%	47.6%	47.7%
I	36	39.5%	40.6%	41.3%	41.8%	42.1%	42.4%	42.6%	42.7%	42.8%	42.9%	43.0%	43.1%	43.2%	43.2%	43.3%	43.3%
	40	40.0%	41.2%	41.9%	42.3%	42.6%	42.9%	43.1%	43.2%	43.4%	43.5%	43.6%	43.6%	43.7%	43.8%	43.8%	43.9%
G	44	45.6%	47.0%	47.7%	48.3%	48.7%	48.9%	49.2%	49.3%	49.5%	49.6%	49.7%	49.8%	49.9%	49.9%	50.0%	50.0%
	48	42.4%	43.6%	44.4%	44.8%	45.2%	45.5%	45.7%	45.8%	46.0%	46.1%	46.2%	46.3%	46.3%	46.4%	46.4%	46.5%
H	52	41.9%	43.1%	43.8%	44.3%	44.6%	44.9%	45.1%	45.3%	45.4%	45.5%	45.6%	45.7%	45.7%	45.8%	45.9%	45.9%
	56	42.7%	43.9%	44.6%	45.1%	45.5%	45.8%	46.0%	46.1%	46.3%	46.4%	46.5%	46.5%	46.6%	46.7%	46.7%	46.8%
T	60	41.5%	42.7%	43.4%	43.9%	44.2%	44.5%	44.7%	44.9%	45.0%	45.1%	45.2%	45.3%	45.4%	45.4%	45.5%	45.5%
	64	41.7%	42.9%	43.6%	44.1%	44.4%	44.7%	44.9%	45.1%	45.2%	45.3%	45.4%	45.5%	45.6%	45.6%	45.7%	45.7%
	68	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%	45.5%	45.6%	45.7%
	72	49.0%	50.4%	51.3%	51.8%	52.2%	52.5%	52.8%	53.0%	53.1%	53.2%	53.4%	53.4%	53.5%	53.6%	53.7%	53.7%

Maximum Recommended Intake CFM
Maximum Intake Velocity 400 FPM

		WIDTH IN INCHES															
Inches		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
	12	123	169	214	260	306	351	397	443	488	534	580	626	671	717	763	808
	16	178	244	310	377	443	509	575	642	708	774	840	906	973	1039	1105	1171
H	20	250	342	435	528	621	714	807	900	993	1085	1178	1271	1364	1457	1550	1643
	24	291	399	508	616	724	832	941	1049	1157	1266	1374	1482	1590	1699	1807	1915
E	28	364	500	635	771	907	1042	1178	1313	1449	1584	1720	1856	1991	2127	2262	2398
	32	464	636	809	981	1154	1326	1499	1671	1844	2016	2189	2361	2534	2706	2879	3051
I	36	474	650	827	1003	1179	1356	1532	1708	1885	2061	2237	2414	2590	2766	2943	3119
	40	533	732	930	1128	1327	1525	1724	1922	2121	2319	2517	2716	2914	3113	3311	3509
G	44	669	918	1167	1416	1665	1914	2163	2412	2661	2910	3159	3408	3657	3906	4155	4404
	48	678	930	1183	1435	1687	1940	2192	2444	2697	2949	3201	3454	3706	3958	4210	4463
H	52	725	995	1265	1535	1805	2075	2345	2615	2885	3155	3425	3695	3965	4235	4505	4775
	56	796	1092	1389	1685	1981	2277	2574	2870	3166	3462	3759	4055	4351	4648	4944	5240
T	60	830	1139	1447	1756	2065	2374	2683	2991	3300	3609	3918	4226	4535	4844	5153	5462
	64	889	1220	1551	1881	2212	2543	2874	3205	3536	3866	4197	4528	4859	5190	5520	5851
	68	943	1294	1645	1996	2347	2698	3049	3400	3751	4102	4453	4804	5155	5506	5857	6209
	72	1175	1613	2050	2487	2925	3362	3799	4237	4674	5111	5549	5986	6423	6861	7298	7736

Recommended Specification

Furnish and install stationary louver models 2440 / 2445 as manufactured by Ventex, Woodbridge Ontario. Louvers shall be 2 inches (50.8 mm) deep. Blades shall be 0.062 Inches (1.57 mm), frame shall be 0.062 (1.57 mm) extruded aluminium, alloy 6063-T5.

Louvers shall have a 19 guage galvanized 1/2 x 1/2 birdscreen. All materials shall be factory finished after assembly with Polyester Baking Enamel in a color selected from the Ventex Color Chart.