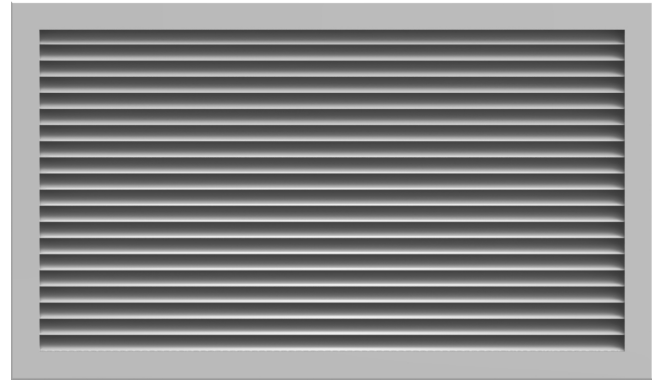


HPD, VDP, HP & VP MODELS

ALUMINUM SIGHTPROOF RETURN GRILLE FRAMELESS WITH FILTER FRAME

- HP and VP model, for single doors are recommended to be mounted on false walls and ceilings with a thickness greater than 1-7 / 8 " in HP blades parallel to the long dimension. VP blades parallel to the short dimension.
- HP and VP model frameless, for single doors, are recommended to be mounted on false walls and ceilings with a thickness greater than 1-7 / 8 " in. HP parallel blades to the long dimension; VP parallel blades to the short dimension.



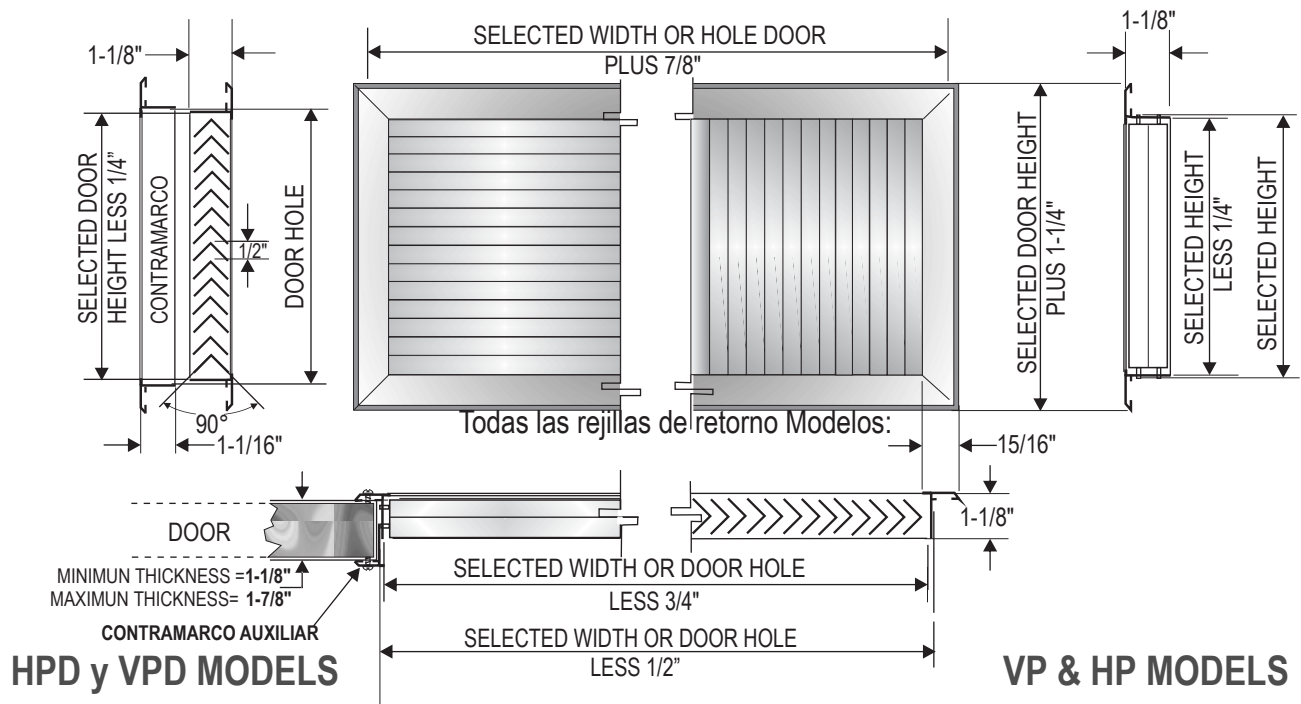
HPD

CONSTRUCTION: Extruded aluminum

FINISH: Standard white Anodic acrylic paint.
Other colors available.

PERFORMANCE: Up to 56% free area, and efficient operation maximum input velocity (V_k) of 300 Feet / Minute, maximum velocity 500 Feet / Min.

Dimensional Data



DOOR / TRANSFER RETURN GRILLES

PERFORMANCE DATA

LISTED SIZES (INCHES)	FREE CORE AREA (FT. ²)		CORE VELOCITY , Feet/Min.									
			NC30			NC40		NC50		NC60		
			200	300	400	500	600	700	800	900	1000	
8 x 4 7 x 5	6 x 6	0.19	PCM	38	57	76	95	114	133	152	171	190
			(-)TP	0.09	0.18	0.32	0.48	0.69	0.94	1.21	1.48	1.75
			NC	13	24	32	39	45	49	53	57	61
12 x 4 10 x 5	8 x 6	0.26	PCM	52	78	104	130	156	182	208	234	260
			(-)TP	0.09	0.18	0.31	0.48	0.69	0.94	1.21	1.48	1.75
			NC	14	26	34	41	46	51	55	58	62
14 x 4 12 x 5	10 x 6 8 x 8	0.33	PCM	66	99	132	165	198	231	264	297	330
			(-)TP	0.08	0.17	0.30	0.47	0.68	0.93	1.20	1.47	1.74
			NC	15	27	35	42	47	52	56	59	63
18 x 4 12 x 6	9 x 8	0.38	PCM	76	114	152	190	228	266	304	342	380
			(-)TP	0.08	0.17	0.30	0.47	0.68	0.93	1.20	1.47	1.74
			NC	16	28	36	42	48	52	56	60	64
20 x 4 16 x 5	10 x 8	0.44	PCM	88	132	176	220	264	308	352	396	440
			(-)TP	0.08	0.17	0.30	0.47	0.68	0.93	1.20	1.47	1.74
			NC	16	28	36	42	48	52	56	60	64
26 x 4 20 x 5 16 x 6	12 x 8 10 x 10	0.52	PCM	104	156	208	260	312	364	416	468	520
			(-)TP	0.07	0.16	0.30	0.46	0.65	0.90	1.15	1.42	1.68
			NC	17	29	37	44	49	53	57	61	65
28 x 4 24 x 5 20 x 6	14 x 8 12 x 10	0.70	PCM	140	210	280	350	420	490	560	630	700
			(-)TP	0.07	0.16	0.29	0.45	0.64	0.88	1.10	1.38	1.65
			NC	18	30	38	45	50	55	58	62	66
36 x 4 28 x 5 24 x 6	18 x 8 14 x 10 12 x 12	0.91	PCM	182	273	364	455	546	637	728	819	910
			(-)TP	0.07	0.15	0.27	0.43	0.61	0.84	1.10	1.38	1.65
			NC	19	31	39	46	51	56	59	63	67
48 x 4 40 x 5 34 x 6 24 x 8	20 x 10 16 x 12 14 x 14	1.18	PCM	236	354	472	590	708	826	944	1062	1180
			(-)TP	0.07	0.15	0.26	0.41	0.59	0.81	1.10	1.38	1.65
			NC	20	32	40	47	52	57	60	64	68
54 x 4 36 x 6 28 x 8	18 x 12 16 x 14 14 x 14	1.32	PCM	264	396	528	660	792	924	1056	1188	1320
			(-)TP	0.07	0.15	0.26	0.41	0.58	0.80	1.00	1.32	1.60
			NC	20	32	40	47	52	57	60	64	68
60 x 4 48 x 5 40 x 6	30 x 8 24 x 10 20 x 12	1.58	PCM	316	474	632	790	948	1106	1264	1422	1580
			(-)TP	0.06	0.14	0.25	0.40	0.57	0.79	1.00	1.32	1.60
			NC	21	33	41	47	53	58	61	65	69
60 x 5 48 x 6 36 x 8 30 x 10	24 x 12 20 x 14 18 x 16	1.78	PCM	356	534	712	890	1068	1246	1424	1602	1780
			(-)TP	0.06	0.14	0.25	0.39	0.56	0.77	1.00	1.32	1.60
			NC	22	33	42	48	53	58	61	65	69
54 x 6 40 x 8 32 x 10	20 x 16 18 x 18	1.93	PCM	386	579	772	965	1158	1351	1544	1737	1930
			(-)TP	0.06	0.14	0.25	0.39	0.55	0.76	0.99	1.28	1.56
			NC	22	34	42	48	54	59	62	66	70
56 x 6 42 x 8 34 x 10	24 x 14 20 x 17	2.08	PCM	416	624	832	1040	1248	1456	1664	1872	2080
			(-)TP	0.06	0.14	0.25	0.39	0.55	0.75	0.98	1.27	1.55
			NC	22	34	43	49	54	59	63	66	70
75 x 5 60 x 6 46 x 8 36 x 10	30 x 12 26 x 14 20 x 18	2.42	PCM	484	726	968	1210	1452	1694	1936	2178	2420
			(-)TP	0.06	0.14	0.24	0.38	0.54	0.74	0.97	1.27	1.55
			NC	23	35	43	50	55	60	63	67	71
64 x 6 48 x 8 38 x 10	36 x 12 30 x 14 26 x 16 24 x 18	2.76	PCM	552	828	1104	1380	1656	1932	2208	2484	2760
			(-)TP	0.06	0.14	0.24	0.37	0.53	0.73	0.96	1.26	1.54
			NC	23	35	44	50	56	60	64	67	71
72 x 8 54 x 10 48 x 12 46 x 12	36 x 16 38 x 14 30 x 18	3.59	PCM	718	1077	1436	1795	2154	2513	2872	3231	3590
			(-)TP	0.06	0.13	0.23	0.36	0.52	0.72	0.95	1.25	1.53
			NC	24	36	45	51	57	61	65	68	72
72 x 12 60 x 12 48 x 16	42 x 20 36 x 24	4.27	PCM	854	1281	1708	2135	2562	2989	3416	3843	4270
			(-)TP	0.06	0.13	0.22	0.35	0.50	0.68	0.90	1.20	1.48
			NC	25	37	45	52	57	62	66	69	73
72 x 10 60 x 12 48 x 16	40 x 18 36 x 20 30 x 24	4.60	PCM	920	1380	1840	2300	2760	3220	3680	4140	4600
			(-)TP	0.06	0.13	0.22	0.35	0.50	0.68	0.90	1.20	1.48
			NC	25	37	46	52	58	62	66	69	73
72 x 12 60 x 15 48 x 18 45 x 20	36 x 24 32 x 28 30 x 30	5.50	PCM	1100	1650	2200	2750	3300	3850	4400	4950	5500
			(-)TP	0.05	0.12	0.22	0.34	0.48	0.66	0.86	1.16	1.45
			NC	26	38	47	53	59	63	67	70	74

NC70

(-)TP= NEGATIVE TOTAL PRESSURE, Inches Water Gauge