



S W Hart & Co ®

MAKE HART MODEL ACD

Ceiling Diffuser - Lay In or Surface Mount

Features :

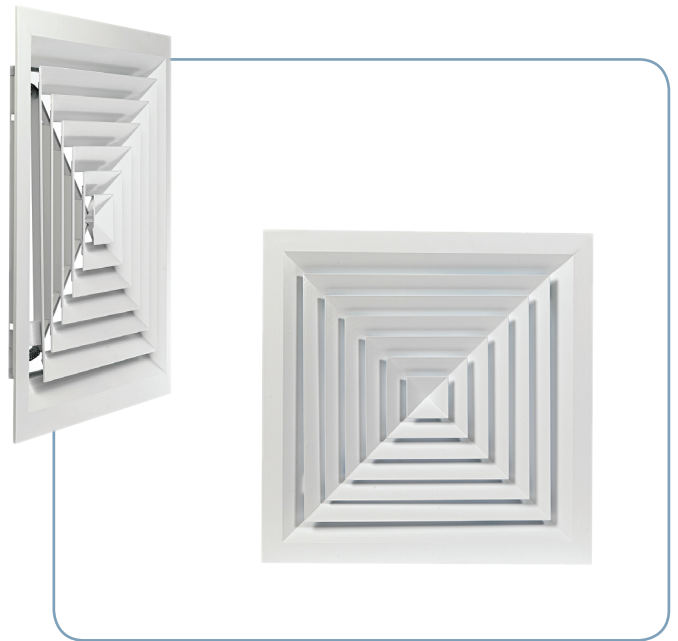
- ⊙ T-Bar lay-in or surface mount diffuser
- ⊙ Removable core allowing for ease of access and maintenance
- ⊙ Aluminium construction
- ⊙ Standard powder coat finish in satin white
- ⊙ Alternative colours are available on request

Accessories :

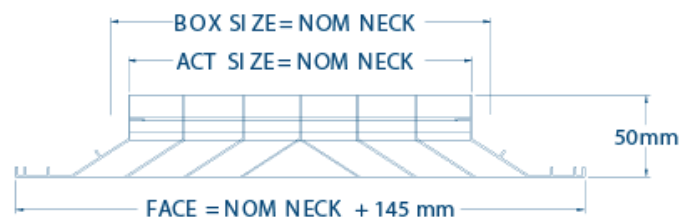
- ⊙ Opposed Blade Damper
- ⊙ Stream Splitter Damper
- ⊙ Blanking Plate
- ⊙ Neck Adaptor
- ⊙ Cushion Head Box
- ⊙ Barrier Screen for PC2 laboratory
- ⊙ Security fixed core

Installation :

- ⊙ Ceiling



Dimension :



ACD - Standard Sizes :

Nominal Neck mm	Face mm	Ceiling Opening mm
450 x 450	595 x 595	530 x 530
300 x 300	445 x 445	390 x 390
250 x 250	395 x 395	320 x 320
150 x 150	295 x 295	250 x 250



S W Hart & Co [®]

CEILING DIFFUSERS																	
TYPE A.C.D PERFORMANCE DATA																	
APPROX. N/C RATINGS																	
		20					25			30		35		45			
FACE	NECK	NECK VELOCITY M/SEC		1.75	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10	
		VELOCITY	PRESSURE Pa	1.5	2.5	4.0	5.5	7.75	10	12.5	15.5	22.5	30	40	50	60	
300 X 300	150	Radius Diffusion M	min		1.1	1.2	1.5	1.7	1.8	2.1	2.3	2.3	3	3.4	4	4.3	
			max		1.4	1.7	2	2.3	2.4	2.7	3	3.6	4	4.6	5.2	5.5	
		Total Pressure Pa	(SP+VP)	4	7	11	15	21	27	33	42	60	83	104	130	157	
		Noise Level d.b.a			25	26	27	28.5	29	30	35	41	47	51	54		
	200	Radius Diffusion M	min	1	1.2	1.4	1.7	1.8	2.1	2.4	2.6	3	3.7	4	4.6	4.9	
			max	1.4	1.8	2.3	2.7	3	3.5	3.7	4.3	5.2	5.8	6.7	7.3	8.2	
Total Pressure Pa		(SP+VP)	4	6	10	14	20	27	33	40	57	80	102	124	152		
	Noise Level d.b.a		25	26	27	29	30	33	35	40	45	49	52	55			
450 X 450	200	Radius Diffusion M	min	1	1.2	1.2	1.5	1.7	1.8	2.1	2.3	2.7	3.3	3.5	4	4.3	
			max	1.2	1.7	2.1	2.4	2.7	3.2	3.3	3.8	4.6	5.2	6.1	6.4	7.3	
		Total Pressure Pa	(SP+VP)	4	6	9	14	20	24	26	35	48	60	82	97	117	
		Noise Level d.b.a		24	25	26.5	28	29	31	32	36	41	46	48	50		
	250	Radius Diffusion M	min	1.1	1.5	1.8	2.1	2.4	2.7	3	3.4	3.8	4.3	4.8	5	6.1	
			max	1.5	2.1	2.6	3	3.5	4	4.4	4.9	5.6	6.4	7.3	8.2	8.8	
		Total Pressure Pa	(SP+VP)	4	6	8	11	17	20	25	30	42	57	77	92	112	
		Noise Level d.b.a		24	25	27	29	30	32	33	38	43	47	50	52		
	300	Radius Diffusion M	min	1.4	1.7	2.1	2.6	2.9	3.3	3.7	4	4.9	5.5	6.4	7	7.6	
			max	1.8	2.3	2.9	3.4	4	4.4	4.9	5.5	6.4	7.3	8.5	9.1	10.7	
		Total Pressure Pa	(SP+VP)	4	5	7	10	14	17	22	30	38	55	75	90	112	
		Noise Level d.b.a		24	25	26	27.5	29.5	31	34.5	36	39	44	48	52	54	
	350	Radius Diffusion M	min	1.2	1.5	2	2.3	2.7	3	3.3	3.7	4.3	4.9	5.8	6.4	7	
			max	2.1	2.7	3.5	4	4.9	5.5	6.1	7	8.2	9.8	11.3	12.5	14	
		Total Pressure Pa	(SP+VP)	4	6	9	13	18	22	28	35	51	67	85	104	127	
		Noise Level d.b.a		25	25.5	27	28	30.5	31.5	35.5	37.5	42	47	50	54	57	
	600 X 600	300	Radius Diffusion M	min	1.4	1.5	1.9	2.4	2.7	3	3.3	3.7	4.6	5.2	5.8	6.4	7
				max	1.8	2.1	2.8	3	3.7	4	4.3	5	5.8	6.7	7.6	8.2	9.8
Total Pressure Pa			(SP+VP)	3	6	8	12	16	20	24	32	45	59	75	92	112	
		Noise Level d.b.a		23	24	25	27	30	31	32	36	41	46	50	56		
350		Radius Diffusion M	min	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	4	4.6	5.2	5.9	6.4	
			max	2.1	2.7	3.3	4	4.6	5.2	5.8	6.7	7.6	9.1	10.7	11.6	13.1	
		Total Pressure Pa	(SP+VP)	3	5	8	12	15	19	23	32	44	57	75	92	112	
		Noise Level d.b.a		24	25	25.5	27.5	30.5	32	34	37.5	44	49	53	58		
400		Radius Diffusion M	min	1.5	2	2.4	2.9	3.3	3.7	4.1	4.6	5.5	6.1	7	7.9	8.5	
			max	2.4	3	4	4.9	5.6	6.4	7	7.9	10	11	12.8	14.3	15.9	
		Total Pressure Pa	(SP+VP)	3	5	7	14	15	18	22	30	42	57	75	90	112	
		Noise Level d.b.a		25	26	27.5	28.5	29	32	35	37	41	47	52	53	59	
450	Radius Diffusion M	min	2	2.4	3	3.7	4.3	4.6	5.3	5.8	7	8	9.1	10.4	11.3		
		max	2.7	3.7	4.6	5.5	6.1	7	8	8.8	10.4	12.2	14	15.8	17.4		
	Total Pressure Pa	(SP+VP)	2	5	7	14	15	18	22	30	42	57	75	90	112		
	Noise Level d.b.a		25	26.5	28	29	29.5	32.5	36	38.5	42	48	52.5	54	59.5		

Specifications